Списък на цитатите по публикациите
на чл.-кор. проф. дмн Красимир Димитров Данов
Общ брой цитати към 31.05.2021 – 5506 (h-index: 45)
Scopus – 4258 (h-index: 39)
Web of Science – 4238 (h-index: 42)

202 K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, J.L. Cook, I.P. Stott, Analytical modelling of micelle growth. 3. Electrostatic free energy of ionic wormlike micelles – Effects of activity coefficients and spatially confined electric double layers, Journal of Colloid and Interface Science 581 (2021) 262–275. (**Citations: 1**)

1. Chu R., Y. Znag, T. Xing, G. Chen, The stability of disperse red/ reactive-red dye inks, RSC Advances 10 (2020) 42633–42643.

201 E.S. Basheva, P.A. Kralchevsky, K.D. Danov, R.D. Stanimirova, N. Shaw, J.T. Petkov, Vortex in liquid films from concentrated surfactant solutions containing micelles and colloidal particles, Journal of Colloid and Interface Science 576 (2020) 345–355. (**Citations: 1**)

1. Chatzigiannakis E., N. Jaensson, J. Vermant, Thin liquid films: Where hydrodynamics, capillarity, surface stresses and intermolecular forces meet, Current Opinion in Colloid and Interface Science 53 (2021) Art. No. 101441.

199 V.I. Yavrukova, G.M. Radulova, K.D. Danov, P.A. Kralchevsky, H. Xu, Y.W. Ung, J.T. Petkov, Rheology of mixed solutions of sulfonated methyl esters and betaine in relation to the growth of giant micelles and shampoo applications, Advances in Colloid and Interface Science 275 (2020) 1–18. (**Citations: 2**)

1. Mucic N., J. Skrbic, S. Buko, L. Petrovic, J. Katona, V.B. Fainerman, E.V. Aksenenko, E. Schneck, R. Miller, Adsorption of equimolar mixture of cationic and anionic surfactants at the water/hexane interface, Colloids and Interfaces 5 (2021) 1.
2. Creatto E.J., B.C. Alvarenga, P.G. de Moura, A. Perez-Gramadgez, Viscosity-driven stabilization of CO_2-in-brine foams using mixtures of cocamidopropyl hydroxysultaine and sodium dodecyl sulfate, Journal of Molecular Liquids 329 (2021) Art. No. 115614.

198 R.D. Stanimirova, P.A. Kralchevsky, K.D. Danov, H. Xu, Y.W. Ung, J.T. Petkov, Oil drop deposition on solid surfaces in mixed polymer-surfactant solutions in relation to hair- and skin-care applications, Colloids and Surfaces A 577 (2019) 53–61. (**Citations: 2**)

1. Zhang L., Colloidal deposition versus shear and polymer/surfactant composition, PhD Thesis, Johns Hopkins University, 2020.
2. Tran E., A.N. Mapile, G.I. Richmond, Peeling back the layers: Investigating the effects of polyelectrolyte layering on surface structure and stability of oil-in-water nanoemulsions, Journal of Colloid and Interface Science 599 (2021) 706–716.

197 K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, J.L Cook, I.P. Stott, Analytical modeling of micelle growth. 2. Molecular thermodynamics of mixed aggregates and scission energy in wormlike micelles, Journal of Colloid and Interface Science 551 (2019) 227–241. (**Citations: 4**)

1. Kaliszczak W., M. Grochowski, A. Nozal-Viercinska, M. Brycht, D. Checinnska-Majak, B. Gotebiovska, Effect of azathioprine on the parameters of double Hg/chlorate(VII) interface layer in the presence of nonionic surfactants, Physicochemnical Problems of Mineral Processing 55(6) (2019) 1350–1356.
2. Eroshkin Yu.A., L.Ts. Adzhemyan, A.K. Shchekin, A general approach to describing fast relaxation with regard to specific features of micellar models, Colloid Journal 82 (2020) 513–521.
3. Vatin M., M. Duvail, P. Guilbaud, J.-F. Dufreche, Liquid/liquid interface in periodic boundary condition, Physical Chemistry Chemical Physics 23 (2021) 1178–1187.
4. Fieber W., A. Scheklaukov, W. Kunz, M. Pleines, D. Benczedi, T. Zemb, Towards a general understanding of the effects of hydrophobic additives on the viscosity of surfactant solutions. Journal of Molecular Liquids 329 (2021) Art. No. 115523.

196 K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, J.L Cook, I.P. Stott, Analytical modeling of micelle growth. 1. Chain-conformation free energy of binary mixed spherical, wormlike and lamellar micelles, Journal of Colloid and Interface Science 547 (2019) 245–255. (**Citations: 7**)

1. Jung S., T.E. Park, S.H. Lee, A self-assembled conjugated micelle with improve sensitivity for monitoring alkaline phosphate activity, Tetrahedron Letters 60(30) (2019) 2022–2025.
2. Wang Z., P. Li, K. Ma, Y. Chen, J. Penfold, R.K. Thomas, D.W. Roberts, H. Xu, J.T. Petkov, Z. Yan, D.A. Venero, The structure of alkyl ester sulfonate surfactant micelles: The impact of different valence electrolytes and surfactant structure on micelle growth, Journal of Colloid and Interface Science 557 (2019) 125–134.
3. Eroshkin Yu.A., L.Ts. Adzhemyan, A.K. Shchekin, A general approach to describing fast relaxation with regard to specific features of micellar models, Colloid Journal 82 (2020) 513–521.
4. Li P., Z. Wang, K. Ma, Y. Chen, Z. Yan, J. Panfold, R.K. Thomas, M. Campana, J.R.P. Webster, A. Washington, Multivalent electrolyte induced surface ordering and solution self-assembly in anionic surfactant mixtures: Sodium dodecyl sulfate and sodium diethylene glycol monododecyl sulfate, Journal of Colloid and Interface Science 565 (2020) 567–581.
5. Park T.E., S.H. Lee, A micellized fluorescence sensor based on amplified quenching for highly sensitive detection of non-transferrin-bound iron in serum, Dalton Transaction 49 (2020) 4660–4664.
6. Yang M., Y. Li, Z. Ge, Z. Zhou, C. Chai, H. Wang, L. Zhang, T. Bo, Viscoelastic surfactant fracturing fluids for use in coal seams: Effects of surfactant composition and formulation, Chemical Engineering Science 215 (2020) Art. No. 115370.
7. Fieber W., A. Scheklaukov, W. Kunz, M. Pleines, D. Benczedi, T. Zemb, Towards a general understanding of the effects of hydrophobic additives on the viscosity of surfactant solutions. Journal of Molecular Liquids 329 (2021) Art. No. 115523.

195 G. Lyutskanova-Zhekova, K. Danov, Effect of ionic strength on the electro-dipping force. In: G. Nikolov, N. Kolkovska, K. Georgiev (Eds.), Numerical Methods and Applications. LNCS 11189, Springer, 2019, 433–440. (**Citations: 1**)

1. Lotito V., M. Karlusic, N. Jaksic, K.T. Luketic, U. Muller, T. Zambelli, S. Fazinic, Shape deformation in ion beam irradiated colloidal monolayers: An AFM investigation, Nanomaterials 10 (2020) 453.

194 E.S. Basheva, K.D. Danov, G.M. Radulova, P.A. Kralchevsky, H. Xu, Y.W. Ung, J.T. Petkov, Properties of the micelles of sulfonated methyl esters determined from the stepwise thinning of foam films and by rheological measurements, Journal of Colloid and Interface Science 538 (2019) 660–670. (**Citations: 1**)

1. Corrente G.A., F. Scarpelli, P. Caputo, C.O. Rossi, A.C.G. Chidichimo, A. Beneduci Chemical–physical and dynamical–mechanical characterization on *Spartium junceum* L. cellulosic fiber treated with softener agents: a preliminary investigation, Scitific Reports 11 (2021) Art. No. 35.

193 G.M. Radulova, T.G. Slavova, P.A. Kralchevsky, E.S. Basheva, K.G. Marinova, K.D. Danov, Encapsulation of oil and fragrances by core-in-shell structures form silica particles, polymers and surfactants: The brick-and-mortar concept, Colloids and Surfaces A 559 (2018) 351–364. (**Citations: 9**)

1. Rodriguez B., B.P. Binks, Capsules from Pickering emulsion templates, Current Opinion in Colloid and Interfacse Science 44 (2019) 107–129.
2. Smachenko S., I. Kozlova, O. Zemskova, T. Nikiporova, S. Kozarev, Method of modifying portalnd slag cement with ultarine component, Advences in Intelligent Systems and Computing 983 (2019) 807–816.
3. Sy P.M., S.M. Dieng, M. Diarra, Formulation, stability and physicochemical properties of Pickering emulsions: An overview, Applied Physical Research 11(1) (2019) 41–51.
4. Wiercigroch-Walkosz K., J. Chichos, M. Karbowiak, Growth of silica shell on hydrophobic upconverting nanocrystals – Machanism and control of porosity, Colloids and Surfaces A 572 (2019) 1–9.
5. Eroshkin Yu.A., L.Ts. Adzhemyan, A.K. Shchekin, A general approach to describing fast relaxation with regard to specific features of micellar models, Colloid Journal 82 (2020) 513–521.
6. Ibanez M.D., V.M. Sanchez-Ballester, M.A. Blazquez, Encapsulated limonene: A pleasant lemon-like aroma with promising application in the agri-food industry. A review, Molecules 25 (2020) Art. No. 2598.
7. S. Wang, D. Jang, Z. Zhou, Y. Shen, L. Jiang, A novel photothermo-responsive nanocarrier for the controlled release of low-volatile fragrances, RSC Advances 10 (2020) 14867–14876.
8. Stasse M., E. Laurichesse, M. Vandroux, T. Ribaut, V. Heroguez, V. Schmitt, Cross-linking of double oil-in-water-in-oil emulsions: A new way for fragrance encapsulation with tunable sustained release, Colloids and Surfaces A 607 (2020) Art. No. 125448.
9. Scherbakov A., A. Babanina, A. Matusevich, Passive probe-coil magnetic field test of stress-strain state for welded joints, Advances in Intelligent Systems and Computing 1259 (2021) 321–323.

192 K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, J.L Cook, I.P. Stott, E.G. Pelan, Growth of wormlike micelles in nonionic surfactant solutions: Quantitative theory vs. experiment, Advances in Colloid and Interface Science 256 (2018) 1–22. (**Citations: 29**)

1. Garza-Arevalo J.I., A. Intiso, A. Proto, F. Rossi, M. Sanchez-Dominguez, Trichloroethylene solubilization using a series of commercial bidegradable ethoxylated fatty alcohol surfactant, Journal of Chemical Technology and Biotechnology 94 (2019) 3523–3529.
2. Jung S., T.E. Park, S.H. Lee, A self-assembled conjugated micelle with inpruved sensitivity for monitoring alkaline phosphatase activity, Tetrahedron Letters 60(30) (2019) 2022–2025.
3. Li P., Y. Guo, Z. Lu, W. Zhang, L. Hou, Syntheses, surface activities and aggregation morphologies of a series of novel itaconic acid based asymmetrical gemini surfactants, Journal of Molecular Liquids 290 (2019) Art. No. 111218.
4. Panoukidou M., C.R. Wand, A. del Regino, R.I. Anderson, O. Carbone, Constructing the phase diagram of sodium laurylethoxysulfate using dissipative particle dynamics, Journl of Colloid and Interface Science 557 (2019) 34–44.
5. Pleines M., W. Kunz, T. Zemb, D. Benczedi, W. Fieber, Molecular factors governing the viscosity peak of giant micelles in the presence of salt and fragnances, Journal of Colloid and Interface Science 537 (2019) 682–693.
6. Pleines M., W. Kunz, T. Zemb, Understanding and prediction of the clouding phenomenon by spontaneous and effective packing concepts, Journal of Surfactants and Detergents 22(5) (2019) 1011–1021.
7. Spadina M., K. Bohinc, T. Zemb, J.-F. Dufreche, Synergistic solvent extraction is driven by entropy, ACS Nano 13 (2019) 13745–13758.
8. Tu Y., Q. Chen, Y. Shang, H. Teng, H. Liu, Photoresponsive behavior of wormlike micelles constructed by gemini surfactant 12-3-12.Br and different cinnamate derivatives, Langmuir 35(13) (2019) 4634–4645.
9. Yin H., Y. Feng, P. Li, J. Doutch, Y. Han, Y. Mei, Cryogenic viscoelastic surfactant fluids: Fabrication and application in a subzero environment, Journal of Colloid and Interface Science 551 (2019) 89–100.
10. Zhao M., Z. Gao, C. Dai, X. Sun, Y. Zhang, X. Yang, Y. Wu, Effect of silica nanoparticles on wormlike micelles with different entanglement degrees, Journal of Surfactants and Detergents 22 (2019) 587–595.
11. Aferni A.E., M. Guetarri, M. Kamli, T. Tajouri, A. Ponton, A structural study of a polymer-surfactant system in dilute and entangled regime: Effect of high concentrations of surfactant and polymer molecular weight, Journal of Molecular Structure 1199 (2020) Art. No. 127052.
12. Chakraborty G., S. Bardhan, S. Ghosh, S.K. Saha, Relevance of π-stacking in tuning the neighboring structural pattern of soft nano-aggregates, Journal of Molecular Liquids 317 (2020) Art. No. 114013.
13. De Silva M.A., V. Calabrese, J. Schmitt, K.M.Z. Hossain, S.J. Briant, N. Mahmoudi, J.L. Scott, K.J. Edler, Impact of wormlike micelles on nano and macroscopic structure of TEMPO-oxidized cellulose nanofibril hydrogels, Soft Matter 16 (2020) 4887–4896.
14. Eroshkin Y.A., L.T. Adzhemyn, A.K. Shchekin, A general approach to describing fast relaxation with regard to specific features of micellar models, Colloid Journal 82 (2020) 513–521.
15. Endter L.J. , Y. Smirnova, H.J. Risselada, Density Field Thermodynamic Integration (DFTI): A "Soft" Approach to Calculate the Free Energy of Surfactant Self-Assemblies, Journal of Physical Chemistry B 124 (2020) 6775–6785.
16. Fan Y., F. Fu, L. Chen, J. Li, J. Zhang, Surface activity of alkoxy ethoxyethyl β-D-glucopyranosides, Journal of Agricultural and Food Chemistry 68 (2020) 2684–2695.
17. Glatter O., S. Salentinig, Inverting structures: from micelles via emulsions to internally self-assembled water and oil continuous nanocarriers, Current Opinion in Colloid and Interface Science49 (2020) 82–93.
18. Kulshrestha A., G. Kumar, N.H. Khan, A. Kumar, Metal-based surface active ionic liquids: Self-assembling characteristics and C[sbnd]C bond functionalization of tertiary amines with TMSCN in aqueous micellar solutions, 299 (2020) Art. No. 112157.
19. Li Y., T. Sato, Multiple association-dissociation equilibria in solutions of amphiphilic molecules, Langmuir 36 (2020) 8323–8343.
20. Rafique A.S., S. Khodaparast, A.S. Poulos, W.N. Sharratt, E.S.J. Robles, J.T. Cabral, Micellar structure and transformations in sodium alkylbenzenesulfonate (NaLAS) aqueous solutions: Effects of concentration, temperature, and salt, Soft Matter 16 (2020) 7835–7844.
21. Singh H., H. Bhowmick, Lubrication characteristics and wear mechanism mapping for hybrid aluminium metal matrix composite sliding under surfactant functionalized MWCNT-oil, Tribology International 145 (2020) Art. No. 106152.
22. Spadina M., K. Bohinc, Multiscale modeling of solvent extraction and the choice of reference state: Mesoscopic modeling as a bridge between nanoscale and chemical engineering, Current Opinion in Colloid and Interface Science 46 (2020) 94–113.
23. Taddese T., R.L. Anderson, D,J, Bray, P.B. Warren, Recent advances in particle-based simulation of surfactants, Current Opinion in Colloid and Interface Science 48 (2020) 137–148.

24. Wand C.R., M. Panoukidou, A. Del Rengo, R.L. Anderson, P. Carbone, The Relationship between Wormlike Micelle Scission Free Energy and Micellar Composition: The Case of Sodium Lauryl Ether Sulfate and Cocamidopropyl Betaine, Langmuir 36 (2020) 12288–12298.
25. Larsson J., A. Sanchez-Fernandez, A.E. Leung, R. Schweinz, B. Wu, T. Nylander, S. Ulvenlund, Molecular structure of maltoside surfactants controls micelle formation and rheological behavior, Journal of Colloid and Interface Science 581 (2021) 895–904.
26. Vatin M., M. Duvail, P. Guilbaud, J.-F. Dufreche, Liquid/liquid interface in periodic boundary condition, Physical Chemistry Chemical Physics 23 (2021) 1178–1187.
27. Endter L.J., H.J. Risselada, Where are those lipid nano rings? Journal of Colloid and Interface Science 587 (2021) 789–796.
28. Fieber W., A. Scheklaukov, W. Kunz, M. Pleines, D. Benczedi, T. Zemb, Towards a general understanding of the effects of hydrophobic additives on the viscosity of surfactant solutions. Journal of Molecular Liquids 329 (2021) Art. No. 115523.
29. Rehman A., M.U. Nisa, M. Usman, Z. Ahmad, T.H. Bokhari, H.M.A.U. Rahman, A. Resheed, Application of cationic-nonionic surfactant based nanostructured dye carriers: Mixed micellar solubilization, Journal of Molecular Liquids 326 (2021) Art. No. 115345.

191 K.D. Danov, M.T. Georgiev, P.A. Kralchevsky, G.M. Radulova, T.D. Gurkov, S.D. Stoyanov, E.G. Pelan, Hardening of particle/oil/water suspensions due to capillary bridges: Experimental yield stress and theoretical interpretation, Advances in Colloid and Interface Science 251 (2018) 80–96. (**Citations: 10**)

1. Hauf K., E. Koos, Structure of capillary suspensions and their versatile applications in creation of smart materials, MRS Communications (2018).
2. Hwang S.-H., J. Lee, D.-Y. Khang, Droplet-mediated deterministic microtransfer printing: Water as a temporary Adhesive, 11 (2019) 8645–8653.
3. Nguyen H.N.G., O. Millet, G. Gagneux, Liquid bridges between a sphere and a plane - Classification of meniscus profiles for unknown capillary pressure, Mathematics and Mechanics of Solids 24 (2019) 3042–3060.
4. Behrens S.H., Oil-coated bubbles in particle suspensions, capillary foams, and related oppurtunities in colloidal multiphase systems, Current Oppinion in Colloid and Interface Science 50 (2020) Art. No. 101384.
5. Hupricar S., S. Usgaonkar, A.K. Lele, A.V. Orpe, Microstructure and yielding of capillary force induced gel, Rheologica Acta 59 (2020) 291–306.
6. Okesanjo O., M. Tennenbaum, A. Fernandez-Nieves, J.C. Meredith, S.H. Behrens, Rheology of capillary foams, Soft Matter 16 (2020) 6725–6732.
7. Xiong H., D. Devegowda, L. Huang, Oil–water transport in clay-hosted nanopores: Effects of long-range electrostatic forces, AIChE Journal 66 (2020) Art. No. e16276.
8. Xiong H., D. Devegowda, L. Huang, Water bridges in clay nanopores: Mechanisms of formation and impact on hydrocarbon transport, Langmuir 36 (2020) 723–733.
9. Fisher S.B., E. Koos, Capillary bridge formation at room temperature in binary liquids with small miscibility, Colloid and Interface Science Communications 41 (2021) Art. No. 100373.
10. Xiong H., Behavior of fluids in clay-hosted nanopores: Insights from molecular dynamics, PhD Thesis, University of Oklahoma, USA, 2021.

190 M.T. Georgiev, K.D. Danov, P.A. Kralchevsky, T.D. Gurkov, D.P. Krusteva, L.N. Arnaudov, S.D. Stoyanov, E.G. Pelan, Rheology of particle/water/oil three-phase dispersions: Electrostatics vs. capillary bridge forces, Journal of Colloid and Interface Science 513 (2018) 515–526. (**Citations: 3**)

1. Banach M., L. Konieczny, I. Roterman, The influence of protein surface on the ordering of surrounded water, in: Superhydrophobic Surfaces – Fabrications to Practical Applications, IntechOpen (2018).
2. Sun X., M. Sakai, A liquid bridge model for spherical particles applicable to assymetric configirations, Chemical Engineering Science 182 (2018) 28–43.
3. Baumgartner D., R. Bernard, B. Weigand, G. Lamanna, G. Brenn, C. Planchette, Influence of liquid miscibility and wettabilitty on the structures produced by drop-jet collisions, Journal of Fluid Mechanics 884 (2020) Art. No. A23.

188 V.I. Ivanova, R.D. Stanimirova, K.D. Danov, P.A. Kralchevsky, J.T. Petkov, Sulfonated mehtyl esters, linear alkylbenzene sulfonates and their mixed solutions: Micellization and effects of Ca^{2+} ions, Colloids and Surfaces A 519 (2017) 87–97. (**Citations: 8**)

1. Alli Y.F., L. Briolety, H. Eni, Y. Irewan, Co-surfactant polyethylene glycol mono-oleate in the formulation of natural based-surfactant for chemical EOR, Scientific Contributions Oil & Gas 40(1) (2017) 1–8.

2. Abe Y., H. Watanabe, M. Fujiwara, Micellar effects on the hydrolysis reaction of an anionic surfactant in aqueous solution, Langmuir 34(46) (2018) 13979–13992.
3. Thielle M.J., M.D. Davari, I. Hofmann, M. Konig, C.G. Lopez, L. Vojcic, W. Richtering, U. Schwaneberg, L.A. Tsarkova, Enzyme-compatible dynamic nanoreactors from electrostatically bridged like-charged surfactants and polyelectrolytes, Angewandte Chemie - International Edition 57(30) (2018) 9402–9407.
4. Vinarov Z., V. Katev, N. Burdzhiev, S. Tcolakova, N. Denkov, Effect of surfactant-bile interactions on the solubility of hydrophobic drugs in biorelevant dissolution media, Molecular Pharmaceutics 15(12) (2018) 5741–5753.
5. Sarveen M., S. Parthiban, S. Nur Anisah, S. Surej Kumar, A. Babar, Exploring the potential application of palm methyl ester sulfonate as an interfacial tension reducing surfactant for chemical enhanced oil recovery, Engineering Materials 797 (2019) 402–410.
6. Wang X., X. Liu, Y. Huo, J. Niu, Properties of binary mixture of cetyl diphenyl ether disulfonate and linear alkylbenzene sulfonate, Tenside, Surfactants, Detergents 57 (2020) 259–264.
7. Avsar A., S. Serin, K.A. Dali, The synthesis of surface active matter from soapstock and examination of properties, FMBD (2020) 29–39.
8. Atta D.Y., B.M. Negash, N. Yekeen, A.D. Habte, A state-of-the-art review on the application of natural surfactants in enhanced oil recovery, Journal of Molecular Liquids 321 (2021) Art. No. 114888.

187 L.M. Dimitrova, M.P. Boneva, K.D. Danov, P.A. Kralchevsky, E.S. Basheva, K.G. Marinova, J.T. Petkov, S.D. Stoyanov, Limited coalescence and Ostwald ripening in emulsions stabilized by hydrophobin HFBII and milk proteins, Colloids and Surfaces A 509 (2016) 521–538. (**Citations: 8**)

1. Shehzad F., I.A. Hussein, M.S. Kamal, W. Ahmad, A.S. Sultan, M.S. Nasser, Polymeric surfactants and emerging alternatives used in demulsification of produced water: A review, Polymer Reviews 58(1) (2018) 63–101.
2. Oliveira C.M., F.H. Havier-Jr., A.R.D.V. Morais, I.L.Lima. R.A. Silva, A.E.G. Nascimento, N.K. Araujo, M.C.D.B.L. Nogueira, A.A. Silva-Jr., M.D.F.F. Pedrosa, E.S.T. Egito, Hydrophobin-stabilized nanoemulsion produced by a low-energy emulsification process: A promising carrier for nutraceuticals, Food Hydrocolloids 89 (2019) 748–757.
3. Sarker D.K., Architectures and mechanical properties of drugs and complexes of surface0active compounds at air-water and oil-water interfaces, Current Drug Discovery Technologies 16(1) (2019) 11–29.
4. Banta R.A., T.W. Collins, R. Curley, J. O’Connell, P.W. Young, J.D. Holmes, E.J. Flynn, Regulated phase separation in nanopatterned protein-polysaccharide thin films by spin coating, Colloids and Surfaces B 190 (2020) Art. No. 110967.
5. Cheng Y., B. Wang, Y. Wang, H. Zhang, C. Liu, L. Yang, Z.Chen, Y. Wang, H. Yang, Z. Wang, Soluble hydrophobin mutants produced in Escherichia coli can self-assemble at various interfaces. Journal of Colloid and Interface Science 573 (2020) 384–395.
6. Park J., J. Lee, D.J. McClements, S.J. Choi, Inhibition of droplet growth in model beverage emulsions stabilized using poly (ethylene glycol) alkyl ether surfactants having various hydrophilic head sizes: Impact of ester gum, Applied Science 10 (2020) Art. No. 5588.
7. Dokouhaki M., A. Hung, S. Kasapis, S.L. Gras, Hydrophobins and chaplins: Novel bio-surfactants for food dispersions a review, Trends in Food Science and Technology 111 (2021) 378–387.
8. Koroleva M.Yu., E.V. Yurtov, Ostwald ripening in macro- and nanoemulsions, Russian Chemical Reviews 90 (2021) 293–323.

186 P.K. Kralchevsky, K.D. Danov, P.V. Petkov, Soft electrostatic repulsion in particle monolayers at liquid interfaces: surface pressure and effect of aggregation, Phil. Trans. Royal Soc. A 374 (2016) Art. No. 20150130P. (**Citations: 16**)

1. Brooks N.J., M.E. Cates, P.S. Clegg, A. Lips, W.C.K. Poon, J.M. Seddon, soft interfacial naterials: From fundamentals to formulation, Phil. Trans. Royal Soc. A 372(2072) (2016) Art. No. 20150135.
2. Isa L., I. Buttinoni, M.A. Fernandez-Rodriguez, S.A. Vasudevan, Two-dimensional assemblies of soft repulsive colloids confined at fluid interfaces, EPL 119 (2017) Art. No. 26001.
3. Lotito V., T. Zambeli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
4. Luo A.M., Rheology and thermodynamics of particle-stabilized fluid interfaces, PhD Thesis, Eth Zurich, 2017.
5. Sigel R., Concepts for soft interfaces, Soft Matter 13(10) (2017) 1940–1942.
6. Dietrich K., G. Volpe, M.N. Sulaiman, D. Renglli, I. Buttinoni, L. Isa, Active atoms and interstitials in two-dimensional colloid crystals, Physical Review Letters 120(26) (2018) Art. No. 268004.

7. El-Tawargy A.S., D. Stock, M. Gallei, W.A. Ramadan, M.A. Shams El-Din, G. Reiter, R. Reiter, Multiple structural transitions in Langmuir monolayers of charged soft-shell nanoparticles, Langmuir 34(13) (2018) 3909–3917.
8. Laal Dehghani N., R. Khare, G.F. Christopher, 2D stokesian approach to modeling flow induced deformation of particle laden interfaces, Langmuir 34(3) (2018) 904–916.
9. Majee A., T. Schmetzer, M. Bier, Electrostatic interaction between dissimilar colloids at fluid interfaces, Physical Review E 97(4) (2018) Art. No. 042611.
10. Yang X., A. Mayer, G. Bournival, R. Pugh, S. Ata, Experimental technique to study the interaction between a bubble and particle-laden interface, Frontiers in Chemistry 6 (2018) 348.
11. Chae I., D. Ngo, M. Makarem, Z. Ounaies, S.H. Kim, Compression-induced topographic corrugation of air/surfactant/water interface: Effect of nanoparticles adsorbed beneath the interface, Journal of Physical Chemistry C 123 (2019) 25628–25634.
12. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
13. Bebon R., A. Majee, Electrostatic pair-interaction of nearby metal or metal-coated colloids at fluid interfaces, Journal of Chemical Physics 153 (2020) Art. No. 044903.
14. Cuetos A., N. Morillo, B. Martinez-Haya, Coadsorption of counterionic colloids at fluid interfaces: A coarse-grained simulation study of Gibbs monolayers. Langmuir 36 (2020) 2877–2885.
15. Dietrich K., Artificial microswimmers at liquid-liquid interfaces, PhD Thesis, ETH, Zurich, 2020.
16. Pradipto, H. Hayakawa, Simulation of dense non-Brownian suspensions with the lattice Boltzmann method: Shear jammed and fragile states, Soft Matter 16 (2020) 945–959.

185 K.D. Danov, E.S. Basheva, P.K. Kralchevsky, Effect of ionic correlations on the surface forces in thin liquid films: Influence of multivalent coions and extended theory, Materials 9 (2016) Art. No. 145. (**Citations: 6**)

1. Guerrero-Garcia G.I., E. Gonzalez-Tovar, M. Quesada-Perez, A. Martin-Molina, The non-dominance of counterions in charge-asymmetric electrolytes: Non-monotonic precedence of electrostatic screening and local inversion of the electric field by multivalent coions, PCCP 18(31) (2016) 21852–21864.
2. Uzelac B., V. Valmacco, G. Trefalt, Interactions between silica particles in the presence of multivalent coions, Soft Matter 13(34) (2017) 5741–5748.
3. Rezvani M., T. Proske, C.-A. Graubner, Modeling the drying shrinkage of concrete made with limestone-rich cement, Cement and Concrete Research 115 (2019) 160–175.
4. Peng M., A.V. Nguyen, Adsorptioin of ionic surfactants at the air/water interface: The gap between theory and experiment, Advances in Colloid and Interface Science 275 (2020) Art. No. 102052.
5. Peng M., T.T. Duignan, A.V. Nguyen, Significant effect of surfactant adsorotion layer thisckness in equilibrium foam films, Journal of Physical Chemistry B 124 (2020) 5301–5310.
6. Dziadkowiec J., A. Royne, Nanoscale forces between basal mica surfaces in dicarboxylic acid solutions: Implications for clay aggregation in the presence of soluble organic acids, Langmuir 36 (2020) 14978–14990.

184 K.D. Danov, S.N. Dimova, T.B. Ivanov, J.K. Novev, Shape analysis of a rotating axisymmetric drop in gravitational field: Comparison of numerical schemes for real-time data processing, Colloids and Surfaces A 489 (2016) 75–85. (**Citations: 5**)

1. Jakhar K., A. Chattopadhyay, A. Thakur, R. Raj, Spline based shape prediction and analysis of uniformly rotating sessile and pendant droplets, Langmuir 33(22) (2017) 5603–5612.
2. Sun R., Investigation of multiphase manufacturing processes for polymeric micro-lenses and lens arrays, PhD Thesis, Washington State University, 2017.
3. Sun R., M. Falahati, L. Li, Numerical and experimental study on multiphase printing of polymeric biconvex micro lenses, Journal of Micromechanics and Microengineering 28 (2018) Art. No. 115005.
4. Zhang Z., L. Wang, Solution of Young-Laplace equation with finite-volume method and overlapped grid, Intertnational Journal of Computational Methods and Experimental Measurements 6(1) (2018) 11–22.
5. Kumar A., M.R. Gunjan, K. Jakhar, A. Thakur, R. Raj, Unified framework for mapping shape and stability of pendant drops including the effect of contact angle hysteresis, Colloids Surfaces A (2020) 124619.

183 P.V. Petkov, K.D. Danov, P.A. Kralchevsky, Monolayers of charged particles in a Langmuir trough: Could particle aggregation increase the surface pressure? Journal Colloid and Interface Science 462 (2016) 223–234. (**Citations: 20**)

1. Asao H., M. Kawaguchi, Effects of salt concentration and spreading amounts on surface pressures of layers of latex particles grafted to polymer chains at interfaces between air and aqueous salt solutions, Colloids and Surfaces A 495 (2016) 208–213.
2. Bahler P.T., M. Zanini, G. Morgese, E.M. Benetti, L. Isa, Immobilization of colloidal monolayers at fluid-fluid interfaces, Gels 2(3) (2016) Art. No. 2030019.
3. Gao P., Z. Yi, X. Xing, T. Ngai, F. Jin, Influence of an additive-free particle spreading method on interactions between charged colloidal particles at an oil/water interface, Langmuir 32(19) (2016) 4909–4916.
4. Gu C., L. Botto, Direct calculataion of anysotropic surface stresses during deformation of a particle-covered drop, Soft Matter 12 (2016) 705–716.
5. Wang S., K. Zhao, Dielectric analysis for the spherical and rodlike micelle aggregates formed from a gemini surfactant: Driving forces of micellization and stability of micelles, Langmuir 32(30) (2016) 7530–7540.
6. Zhang H., K. Yu, O.J. Cayre, D. Harbottle, Interfacial particle dynimics: One and two step yielding in colloidal glass, Langmuir 32(50) (2016) 13472–13481.
7. Bykov A.G., G. Gochev, G. Loglio, R. Miller, A.K. Panda, B.A. Noskov, Dynamic surface properties of mixed monolayers of polystyrene micro- and nanoparticles with DPPC, Colloids Surfaces A 521 (2017) 239–246.
8. Lotito V., T. Zambeli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
9. Poulichet V., A. Huerrre, V. Garbin, Shape oscillations of particle coated bubbles and directional particle extension, Soft Matter 13(1) (2017) 125–133.
10. Tham C.Y., W.S. Chow, Pioly(lactic acid) microparticles with controllable morphology by hydroxyapatite stabilizied Pickering emulsions: Effect of pH, salt, and aphiphilic agents, Colloids and Surfaces A 533 (2017) 275–285.
11. Vatanparast H., A. Javadi, A. Bahramian, Silica nanoparticles cationic surfactants interaction in water-oil system, Colloids and Surfaces A 521 (2017) 221–230.
12. Vatanparast H., A. Samiee, A. Bahramian, A. Javadi, Surface behavior of hydrophilic silica nanoparticle-SDS surfactant solutions: I. Effect of nanoparticle concentration on foamability and foam stability, Colloids and Surfaces A 513 (2017) 430–441.
13. El-Tawargy A.S., D. Stock, M. Gallei, W.A. Ramadan, M.A. Shams El-Din, G. Reiter, R. Reiter, Multiple structural transitions in Langmuir monolayers of charged soft-shell nanoparticles, Langmuir 34(13) (2018) 3909–3917.
14. Karnieli A., T. Markovich, D. Andelman, Surface pressure of charged colloids at air/water interface, Langmuir 34(44) (2018) 13322–13332.
15. Lotito V., T. Zambelli, Pattern formation in binary colloidal assemblies: Hidden symmetries in a kaleidoscope of structures, Langmuir 34 (2018) 7827–7843.
16. Majee A., T. Schmetzer, M. Bier, Electrostatic interaction between dissimilar colloids at fluid interfaces, Physical Review E 97(4) (2018) Art. No. 042611.
17. Yang X., A. Mayer, G. Bournival, R. Pugh, S. Ata, Experimental technique to study the interaction between a bubble and particle-laden interface, Frontiers in Chemistry 6 (2018) 348.
18. Chae I., D. Ngo, M. Makarem, Z. Ounaies, S.H. Kim, Compression-induced topographic corrugation of air/surfactant/water interface: Effect of nanoparticles adsorbed beneath the interface, Journal of Physical Chemistry C 123 (2019) 25628–25634.
19. Pitois O., F. Rouyer, Rheology of particulate rafts, films, and foams, Current Opinion in Colloid and Interface Science 43 (2019) 125–137.
20. Bebon R., A. Majee, Electrostatic pair-interaction of nearby metal or metal-coated colloids at fluid interfaces, Journal of Chemical Physics 153 (2020) Art. No. 044903.

182 K.D. Danov, R.D. Stanimirova, P.A. Kralchevsky, E.S. Basheva, V.I. Ivanova, J.T. Petkov, Sulfonated methyl esters of fatty acids in aqueous solutions: Interfacial and micellar properties, Journal Colloid and Interface Science 457 (2015) 307–318. (**Citations: 14**)

1. Hu B.B., Y.Yuan, X.-P. Zhou, S.-M. Li, Synthesis and properties of a novel bolaamphiphile surfactant driven from proline, Chinese Chemical Letters 27(3) (2016) 447–450.
2. Mirgorodskay A.B., L. Ya. Zakharova, E.I. Khairutdinova, S.S. Lukashenko, O.G. Sinyashin, Supramolecular systems based on gemini surfactants for enhancing solubility of spectral probes and drugs in aqueous solutions, Colloids and Surfaces A 510 (2016) 33–42.
3. Alli Y.F., B.L. Usman, Alkoxy groups of sulfonated natural oil-based surfactant to reduce oil-water interfacial tension for chemical flooding, Advanced Science Letters 23(12) (2017) 11834–11837.
4. Hu B., Y. Yuan, Y. Yan,. X. Zhou, Y. Li, Q. Kan, S. Li, Preparation and evaluation of a novel anticancer drug delivery carrier for 5-Fluorouracil using synthetic bola-amphiphile based on lysine as polar heads, Materials Science and Engineering C 75 (2017) 637–645.

5. Indrayanah S., Erwin, I.N. Marsih, Suprapto, I.K. Murwani, Methyl ester production via heterogeneous acid-catalyzed simultaneous transesterification and esterification reactions, IOP Conference Series: Material Science and Engineering 202(1) (2017) Art. No. 012069.
6. Xu K., L. Shi, Y. Zhang, J. Lou, Research progress on fatty acid methyl esters sulfonate's preparation and application, Speciality Petrochemicals 34 (2017) 73–78.
7. Ju H., Y. Jiang, T. Geng, Y. Wang, A green and easy synthesis method of catanionic surfactant ammonium benzenesulfonate and its surface properties and aggregation behaviors, Journal of Molecular Liquids 264 (2018) 306–313.
8. Sun Y., L. Ding, J. Zhou, M.D. Serio, K. Zhu, Y. Zhang, H. Liang, H. Wu, J. Sun, Synthesis and properties of α-sulfo carboxyl disodium salt, Journal of Dispersion Science and Technology 39 (2018) 1360–1366.
9. Zhou J., Y., Sun, K. Zhu, M. Di Serio, Y. Zhang, J. Sun, H. Wu, L. Ding, H. Liang, Influence of sulfonic acid group on the performance of castor oil acid based methyl ester ethoxylate sulfonate, Journal of Dispersion Science and Technology 39 (2018) 1693–1698.
10. Aggarwal R., S. Singh, V. Saini, G. Kaur, Synthesis, characterization, and evaluation of surface and thermal properties and cytotoxicity of 2-hydroxy-3-phenoxypropyl imidazolium bola-type gemini amphiphiles, Journal of Surfactants and Detergents 22 (2019) 33–46.
11. Lim Y.S., N.B. Baharudin, Y.W. Ung, Methyl ester sulfonate: A high-performance surfactant capable of reducing builders dosage in detergents, Journal of Surfactants and Detergents 22 (2019) 549–558.
12. Paraska O., T. Rak, D. Potar, N. Radek, Research on the effect of compositions of ecologically safe substances on the hygienic properties of textile products, Easterm-European Journal of Enterprise Techmologies 1(10-97) (2019) 43–49.
13. Cai Y., X. Chen, H. Xu, Synthesis and properties of amide gemini surfactants, Tenside Surfactants Detergents 57 (2020) 414–419.
14. Singh N., P.K.S. Yadav, S.K. Gupta, Synthesis and performance evaluation of green anionic polymeric surfactant for detergent application, Asian Journal of Chemistry 33 (2021) 333–337.

181 K.D. Danov, R.D. Stanimirova, P.A. Kralchevsky, K.G. Marinova, S.D. Stoyanov, T.B.J. Blijdenstein, A.R. Cox, E.G. Pelan, Adhesion of bubbles and drops to solid surfaces, and anisotropic surface tension studied by capillary meniscus dynamometry, Advances in Colloid and Interface Science 233 (2016) 223–239. (**Citations: 10**)

1. George J.E., S. Chidangil, S.D. George, Recent progress in fabricating superaerophobic and superaerophilic surfaces, Advanced Materials Interfaces 4(9) (2017) Art. No. 1601088.
2. Gooneie A., C. Holzer, Reinforced local heterogeneities in interfacial tension distribution in polymer blends by incorporating carbon nanotubes, Polymer 125 (2017) 90–101.
3. Zhang L., T. Man, M. Huang, J. Gao, X. Zuo, E. Wang, Numerical sinumation of droplet behavior of Cu-Pb alloys solidifying under magnetic field, Materials 10(9) (2017) Art. No. 1005.
4. Hahl H., J.N. Vargas, M. Jung, A. Griffo, P. Laaksonen, M. Lienemann, K. Jacobs, R. Seemann, J.-N. Fleury, Adhesion properties of freestanding hydrophobin bilayers, Langmuir 34 (2018) 8542–8549.
5. Shen Y., J. Tao, Z. Chen, C. Zhu, G. Wang, H. Chen, S. Liu, Rational design of the nanostructure features on superhydrophobic surfaces for enhanced dynamic water repellency, ACS Sustainable Chemistry and Engineering 6(8) (2018) 9958–9965.
6. Yunusa M., G.J. Amador, D.-M. Drotlef, M. Sitti, Wrinkilng instability and adhesion of of a highly bendable gallium oxide nanofilm encapsulating a liquid-gallium droplet, Nano Letters 18(4) (2018) 2498–2504.
7. Basarova P., J. Zawala, M. Zednikova, Ineractions between a small bubble and a greater solid particle during the flotation process, Mineral Processing and Extractive Metallurgy Review 40 (2019) 410–426.
8. Ketola A.E., W. Xiang, T. Hjelt, H. Pajari, T. Temmelin, O.J. Rojas, J.A. Ketoja, Bubble attachment to cellulose and silica surfaces of varied surface energies: Wetting transition and implications in foam forming, Langmuir 36 (2020) 7296–7308.
9. Khoo M.T., J.A. Wenning, B.W. Pearce, P.A. Brandner, Statistical aspects of tip vortex cavitation inception and desinence in a nuclei deplete flow, Experiments in Fluids 61 (2020) Art. No. 145.
10. Mao N., C. Kang, S. Teng, C. Mulbach, Formation and detachment of the enclosing water film as a bubble passes through the water-oil interface, Colloids and Surfaces A 586 (2020) Art. No. 124236.

180 P.A. Kralchevsky, K.D. Danov, Chemical Physics of Colloidal Systems and Interfaces, in: K.S. Birdy (Ed.), Handbook of Surface and Colloid Chemistry, Fourth edition, 2015, Ch. 4. (**Citations: 8**)

1. Cruz N., Y. Peng, Rheology measurements for flotation slurries with high caly contents – A critical review, Minerals Enginering 98 (2016) 137–150.
2. Karakashev S.I., Hydrodynamics of foams, Experiments in Fluids 58 (2017) 91.

3. Jiang H., G. Beaucage, K. Vogtt, M. Weaver, The effect of solvent polarity on wormlike micelles using dipropylene glycol (DPG) as a cosolvent in an anionic/zwitterionic mixed surfactant system, Journal of Colloid and Interface Science 509 (2018) 25–31.
4. Li Z., L. Dai, D. Wang, L. Mao, Y. Gao, Stabilization and rheology of concentrated emulsions using the natural emulsifiers quillaja saponins and rhamnolipids, Journal of Agricultural and Food Chemistry 66(15) (2018) 3922–3929.
5. Bickel T., J.-C. Loudet, G. Koleski, B. Pouligny, Hydrodynamic response of a surfactant-laden interface to a radial flow, Physical Review Fluids 4(12) (2019) Art. No. 124002.
6. Bickel T., Spreading dynamics of reactive surfactant druven by Marangoni convection, Soft Matter 15(18) (2019) 3644–3648.
7. Koleski G., Flower-like azimuthal instability of a divergent flow at the atwer-air interface, PhD Thesis, Bordeaux University, France, 2019.
8. Wang L., C. Li, A brief review of pulp and froth rheology in mineral flotation, Journal of Chemistry (2020) ID: 3894542.

179 S.S. Tzocheva, K.D. Danov, P.A. Kralchevsky, G.S. Georgieva, A.J. Post, K.P. Ananthapadmanabhan, Solubility limits and phase diagrams for fatty alcohols in anionic (SLES) and zwitterionic (CAPB) micellar surfactant solutions, Journal of Colloid and Interface Science 449 (2015) 46–61. (**Citations: 12**)

1. Zhao Q., K. Zhang, G. Yu, W. Wu, X. Wei, Q. Lu, Facile electrochemical determinantion of tetrabromobisphenol A based on modified glassy carbon electrode, Talanta 151 (2016) 209–216.
2. Li F.F., N.H. Chen, W.P. Zhang, Effect of binary/ternary fatty acids ratio on the phase behavior of soap solutions, Journal of Surfactants and Detergents 20(2) (2017) 425–434.
3. Li F., X. Tang, M. Chen, W. Zhang, Effect of polyhydric alcohols, surfactants, emollients and emulsifiers on phase behaviors of ternary fatty acid soap solutions, Journal of Surfactants and Detergents 20 (2017) 1–13.
4. Tajuddin H.A., T. Idris, N.F. Zul, A.B. Sadidarto, Z. Abdullah, N. Ahmad, Self-aggregation behavior of synthetic amphiphile derived from triazolulbenzoic acid: CMC and phase transition, AIP Conference Proceeding 1901 (2017) Art. No. 080002.
5. Efthimios K., Study of the influence of surfactants on the activity coefficients and mass transfer coefficients in binary aqueous mixtures by the reversed-flow gas chromatography technique, PhD Thesis, Patra Univeristy, 2018.
6. Qi N., H. Sun, H. Zhao, Y. Li, Achieving foaming control smartly: Pre-solubilized flavor oil serves as an: In situ homogeneous defoamer, Soft Matter 14(11) (2018) 2059–2067.
7. Lee S., J. Lee, H. Yu, J. Lim, Synthesis of environment friendly biosurfactants and characterization of interfacial properties for cosmetic and household products formulations, Colloids and Surfaces A 536 (2018) 224–233.
8. Mitrinova Z., S. Tcholakova, N. Denkov, Control of surfactant solution rheology using medium-chain cosurfactants, Colloids and Surfaces A 537 (2018) 173–184.
9. Saxena P., P.K. Sharma, P. Purohit, The mechanistic approach of the propylene glycol as a co-surfactant through “six member cyclic hydrogen bonding system”for the stable and flexible microemulsion drug carrier, International Journal of Pharmacognosy 6(5) (2019) 172–180.
10. Xu L., S. Amin, Microrheological study of ternary surfactant-biosurfactant mixtures, International Journal of Cosmetic Science 41 (2019) 364–370.
11. Davies A.R., S. Amin, Microstructure design of CTAC:FA and BTAC:FA lamellar gels for optimized rheological performance utilizing automated formulation platform, International Journal of Cosmetic Science 42 (2020) 2592–69.
12. Pandya N.,G. Rajput, D.S. Janni, G. Subramanyan, D. Ray, V. Aswal, D. Varade, SLES/CMEA mixed surfactant system: Effect of electrolyte on interfacial behavior and microstructures in aqueous media, Journal of Molecular Liquids 325 (2021) Art. No. 115096.

178 K.D. Danov, P.A. Kralchevsky, G.M. Radulova, E.S. Basheva, S.D. Stoyanov, E.G. Pelan, Shear rheology of mixed protein adsorption layers vs their structure studied by surface force measurements, Advances in Colloid and Interface Science 222 (2015) 148–161. (**Citations: 15**)

1. Dan A., G. Gochev, R. Miller, Tensiometry and dilational rheology of mixed β-lactoglobulin/ionic surfactant adsorption layers at water/air and water/hexane interfaces, Journal of Colloid and Interface Science 449 (2015) 383–391.
2. Todorov R., Thin liquid films in biomedical studies, Current Oppinion in Colloid and Interface Science 20(2) (2015) 130–138.

3. Wosten H.A., K. Sholtmeijer, Application of hydrophobins: current stage and perspectives, Applied Microbiology and Biotechnology 99(4) (2015) 1587–1597.
4. Goralchuk A., S. Omel'chenko, O. Kotlyar, O. Grinchenko, V. Mikhaylov, Developing a model of the foam emulsion system and confirming the role of the yield stress shear of interfacial adsorption layers to provide its formation and stability, Eastern-European Journal of Enterprise Technology 3/11(81) (2016) 11–19.
5. Jin K., Z. Qiao, S. Wang, S. Zhu, J. Cheng, J. Yang, W. Liu, The effects of the main components of seawater on the tribological properties of Cu-9Al-5Ni-4Fe-Mn alloy sliding agains AISI 52100 steel, RSC Advances 6(8) (2016) 6384–6394.
6. Celebioglu H.Y., J. Kmiecik-Palczewska, S. Lee, I.S. Chronakis, Interfacial shear rheology of b-lactoglobulin-bovine submaxillary mucin layers adsorbed at air/water interface, International Journal of Biological Macromolucules 102 (2017) 857–867.
7. Hennig S., Utilization of yeast pheromones and hydrophobin-based surface engineering for novel whole-cell sensor applications, PhD Thesis, Dresden Technical University, 2017.
8. Tippel J., Einsatzmöglichkeiten eines saponinreichen Extrakts aus Quillaja saponaria Molina zur Formulierung und Stabilisierung von funktionellen Lebensmittelinhaltsstoffen, PhD Thesis, Technical University, Berlin, 2017.
9. Wu B., G. Liu, G. Zhang, V.S.G. Craig, Polyelectrolite multilayers under compression: Concurrent osmotic stress and colloidal probe atomic force microscopy, Soft Matter 14(6) (2018) 961–968.
10. Felix M., A. Romero, C. Carrera-Sanchez, A. Guerrero, A comprehensive approach from interfacial to bulk properties of legume protein-stabilized emulsions, Fluids 4(2) (2019) Art. No. 65.
11. Felix M., A. Romero, C. Carrera-Sanchez, A. Guerrero, Assessment of interfacial viscoelastic properties of Faba bean (Vicia faba) protein-adsorbed O/W layers as a function of pH, Food Hydrocolloids 90 (2019) 353–359.
12. Felix M., Y. Jang, A. Guerrero, L.M.C. Sagis, Effect of cinnamaldehyde on interfacial rheological properties of proteins adsorbed at O/W interfaces, Food Hydrocolloids 97 (2019) Art. No. 105235.
13. Goralchuk A., O. Grinchenko, O. Riabets, O. Kotlyar, Food dispersion systems process stabilization. A review, Ukrainian Food Journal 8 (2019) 699–732.
14. Goral I., K. Wojciechowski, Surface activity and foaming properties of saponin-rich plants extracts, Advances in Colloid and Interface Science 279 (2020) Art. No. 102145.
15. Zhang J., Y. Chen, Y. Huang, W. Wu, X. Deng, H. Liu, R. Li, J. Tao, X. Li, X. Liu, M. Gou, A 3D-printed self-adhesive bandage with drug release for peripheral nerve repair, Advanced Science (2020) Art. No. 2002601.

176 P.A. Kralchevsky, K.D. Danov, S.A. Anachkov, Depletion forces in thin liquid films due to nonionic and ionic micelles, Current Opinion in Colloid and Interface Science 20 (2015) 11–18. (**Citations: 22**)

1. Lim S., H. Hortuchi, A.D. Nikolov, D. Wasan, Nanofluidics after the surface wettability of solids, Langmuir 31(21) (2015) 5827–5835.
2. Fallah F., M. Khorasani, M. Ebrahimi, Comparative study of gel emulsiofication and direct mechanical emulsification methods, Colloids and Surfaces A 492 (2016) 207–212.
3. Zachariah Z., R.M. Espinoza-Marzal, N.D. Spencer, M.P. Heuberger, Stepwise collaps of overlapping electrical double layers, PCCP 10(35) (2016) 24417–24427.
4. George J.E., S. Chidangil, S.D. George, Recent progress in fabricating superaerophobic and superaerophilic surfaces, Advanced Materials Interfaces 4(9) (2017) Art. No. 1601088.
5. Guner S., M.H. Oztop, Food grade liposome systems: Effect of solvent, homogenization tipes and storage conditions on oxidative and physical stability, Colloids and Surfaces A 513 (2017) 468–478.
6. Lim S., Hard surface cleaning: A novel approach using wetting nanofluids, PhD Thesis, Illinois Institute of Technology, Chikago, 2017.
7. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
8. Moazzami-Godarzi M., Surface forces in the presence of multivalent ions and polyelectrolytes, PhD Thesis, Geneve University, 2017.
9. Zachariah Z., Molecular insight into nanoconfined electrical double layer, PhD Thesis, ETH Zurich, 2017.
10. Perazzo A., G. Tomaiuolo, V. Preziosi, S. Guido, emulsions in porous media: From single droplet behavior to application to oil recovery, Advances in Colloid and Interface Science 256 (2018) 305–325.
11. Schon S., R. von Klitzing, A simple extension of the commonly used fitting equation for oscillatory structural forces in case of silica nanoparticle suspensions, Beilstein Journal of Nanotechnology 9(1) (2018) 1095–1110.
12. Schon S., R. von Klitzing, Experimental evaluation of additional short range repulsion in structural oscillation forces, Soft Matter 14(26) (2018) 5383–5392.

13. Schon S., M. Richter, M. Witt, R. von Klitzing, Experimental trigerred oscillatoral structural forces, Langmuir 34(38) (2018) 11526−11533.
14. Bernardino K., A. Farias De Moura, Electrostatic potential and counterion partition between flat and spherical interfaces, Journal of Chemical Physics 150(7) (2019) Art. No. 074704.
15. Chu D., X. Sun, Y. Hu, J.-A. Duan, Substrate-independent, switchable bubble wettability surfaces induced by ultrasonic treatment, Soft Matter 15(37) (2019) 7398−7403.
16. Ginot G., R. Hohler, S. Mariot, A. Kraynik, W. Drenckhan, Juggling bubbles in square capillaries: An experimental proof of non-pairwise bubble interactions, Soft Matter 15(22) (2019) 4570−4582.
17. Lele B.J., R.D. Tilton, Colloidal depletion and structural force synergism or antagonism in solutions of mutually repelling polyelectrolytes and ionic surfactants, Langmuir 35 (2019) 15937−15947.
18. Lele B.J., R.D. Tilton, Control of the colloidal depletion force in nonionic polymer solutions by complexation with anioninc surfactants, Journal of Colloid and Interface Science 553 (2019) 436−450.
19. Erasov V., B. Pokidko, M.Y. Pletnev, Features of aqueous polymer-stabilized foams particularly containing bentonite particles, Journal of Dispersion Science and Technology 41 (2020) 787−796.
20. Ludwig M., R. von Klitzing, Recent progress in measurements of oscillatory forces and liquid properties under confinement, Current Opinion in Colloid and Interface Science 47 (2020) 137−152.
21. Shan G., S. Zhao, M. Qiao, N. Gao, J. Chen, Q. Ran, Synergism effects of coconut diethanol amide and ionic surfactants for entraining stable air bubbles into concrete, Construction and Bilding Materials 237 (2020) Art. No. 117625.
22. Schon S., Oscillatory structural forces, PhD Thesis, Technical University, Berlin, 2020.

175 K.D. Danov, R.D. Stanimirova, P.A. Kralchevsky, K.G. Marinova, N.A. Alexandrov, S.D. Stoyanov, T.B.J. Blijdenstein, E.G. Pelan, Capillary meniscus dynamometry – Method for determining the surface tension of drops and bubbles with isotropic and anisotropic surface stress distributions, Journal of Colloid and Interface Science 440 (2015) 168–178. (**Citations: 31**)

1. Borecki M., M.L. Korwin-Pawlowski, M. Duk, A. Kociubinski, J. Frydrych, P. Prus, J. Szmidt, Dynamical capillary rise photonic sensor for testing of diesel and biodiesel fuel, Sensors & Transducers 193(10) (2015) 11−22.
2. Borecki M., J. Szmidt, M.L. Korwin-Pawlowski, M. Duk, A. Kociubinski, J. Frydrych, P. Prus, Capillary rise multiparametric sensor for testing a diesel and biodiesel fuel, Sensor Devices (2015) 37−43.
3. Kazemzadeh Y., S. Ehsan Eshraghi, S. Sourani, M. Reyhani, An interface-analysing technique to evaluate the heavy oil swelling in presence of nickel oxide nanoparticles, Journal of Molecular Liquids 211 (2015) 553–559.
4. Radoev B.P., P.V. Petkov, I.T. Ivanov, Capillary bridges – a tool for three-phase contact investigations, in: Surface Energy, M. Aliofkhazraei (Ed.), INTECH, Ch. 2, 2015.
5. Balemans C., M.A. Hulsen, P.D. Anderson, Modeling of complex interfaces for pendant drop experiments, Rheologica Acta 55(10) (2016) 801−822.
6. Gu C., L. Botto, Direct calculataion of anysotropic surface stresses during deformation of a particle-covered drop, Soft Matter 12 (2016) 705−716.
7. Hoyer P., V. Alvarado, M.S. Carvalho, Snap-offin constricted capillary with elastic interface, Physics of Fluids 28 (2016) Art. No. 012104.
8. Kotula A.P., S.I. Anna, Insoluble layer deposition and dilatational rheology at a microscale spherical cap interface, Soft Matter 12(33) (2016) 7038−7055.
9. Gajewski A., A couple new ways of surface tension determination, International Journal of Heat and Mass Transfer 115 (2017) 909−917.
10. Gooneie A., C. Holzer, Reinforced local heterogeneities in interfacial tension distribution in polymer blends by incorporating carbon nanotubes, Polymer 125 (2017) 90−101.
11. Hoyer P., V. Alvarado, Stability of liquid bridges with elastic interfaces, RSC Advances 7 (2017) 49344−49352.
12. Nagel M., T.A. Tervoorth, J. Vermant, From drop-shape analysis to stress-fitting elastometry, Advances in Colloid and Interface Science 247 (2017) 33−51.
13. Papicelli M., Complex fluid-fluid interfaces: the interplay between interfacial tension and viscoelasticity, PhD Thesis, ETH Zurich, 2017.
14. Papicelli M., T. Verwijlen, T.A. Tervoorth, J. Vermant, Characterization and modelling of Langmuir interfaces with finite elasticity, Soft Matter 13(35) (2017) 5977−5990.
15. Gu C., Development of a fast simulation method for particle-laden fluid interfaces and selected applications to problebs involving drops, PhD Thesis, Queen Mary University, London, 2018.
16. Hegemann J., Deformation behavior of elastic shells and biological cells, PhD Thesis, Technical University, Dortmund, 2018.

17. Hegemann J., S. Knoche, S. Egger, M. Kott, S. Demand, A. Unverfehrt, H. Rehage, J. Kierfeld, Pendant capsule elastometry, Journal of Colloid and Interface Science 513 (2018) 549–565.
18. Jaensson N., J. Vermant, Tensiometry and rheology of complex interfaces, Current Opinion in Colloid and Interface Science 37 (2018) 136–150.
19. Thijssen J.H.J., J. Vermant, Interfacial rheology of model particles at liquid interfaces and its relation to (bicontinuous) Pickering emulsions, Journal of Physics and Condensed Matter 30(2) (2018) Art. No. 023002.
20. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
21. Pepicelli M., N. Jaensson, C. Tregouet, B. Schroyen, A. Alicke, T. Tervoort, C. Monteux, J. Vermant, Surface viscoelasticity in model polymer multilayers: From planar interfaces to rising bubbles, Journal of Rheology 63(5) (2019) 815–828.
22. Toor A., J. Forth, S. Bochner De Araujo, M.C. Merola, Y. Jiang, X. Liu, Y. Chai, H. Hou, P.D. Ashby, G.G. Fuller, T.P. Russell, Mechanical properties of solidifying assemblies of nanoparticle surfactants at the oil-water interface, Langmuir 35 (2019) 13340–13350.
23. Wan D., H. Xiang, H. Xu, A laminar-jet-discharging method for measuring the interfacial tension of deformable surfaces, Measurement Science and Technology 31(3) (2019) Art. No. 035302.
24. Xue T., L. Xu, Q. Wang, Measurements of seawater surface tension based on bubble rising behaviour, Measurement: Journal of the International Measurement Confederation 138 (2019) 332–340.
25. Gimenez-Ribes G., M. Habibi, L.M.C. Sagis, Interfacial rheology and relaxation behaviour of adsorption layers of the triterpenoid saponin Escin, Journal of Colloid and Interface Science 563 (2020) 281–290.
26. Gu C., L. Botto, FIPI: A fast numerical method for the simulation of particle-laden fluid interfaces, Computer Physics Communications 256 (2020) Art. No. 107447.
27. Rodriguez-Hakim M., S. Anand, J. Tajuelo, Z. Yao, A. Kannan, G. Fuller, Asphaltene-induced spontaneous emulsification: Effects of interfacial co-adsorption and viscoelasticity, Journal of Rheology 64 (2020) 799.
28. Chandran-Suja V., M. Rodriguez-Sakim, J. Tajuelo, G.G. Fuller, Single bubble and drop techniques for characterizing foams and emulsions, Advances in Colloid and Interface Science 286 (2020) Art. No. 102295.
29. Wang H., P.R. Brito-Parada, The role of microparticles on the shape and surface tension of static bubbles, Journal of Colloid and Interface Science 587 (2021) 14–23.
30. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.
31. Garcia B.F., Soheil Saraji, Transient interfacial rheology and polar component dynamics at oil-brine intrfaces, Colloids and Surfaces A (2021) Art. No. 126773.

174 G.M. Radulova, K.D. Danov, P.A. Kralchevsky, J.T. Petkov, S.D. Stoyanov, Shear rheology of hydrophobin adsorption layers at oil/water interfaces and data interpretation in terms of viscoelastic thixotropic model, Soft Matter 10 (2014) 5777–5786. (**Citations: 6**)

1. Li W., Y. Wang, H, Zhao, Z. He, M. Zeng, F. Qin, J. Chen, Improvement of emulsification properties of soy protein through selective hydrolysis: Interfacial shear rheology of adsorption layer, Food Hydrocolloids 60 (2016) 453–460.
2. Bergfreund J., P. Bertsch, S. Kuster, P. Fischer, Effect of oil hydrophobicity on the adsorption and rheology of β-lactoglobulin at oil-water interfaces, Langmuir 34(15) (2018) 4929–4936.
3. Navarro S.A.C., Evaluacion de mezclas de proteinas con hidrocoloides sobre las propiedades espumantes de emulsiones de aceite de aquacate persea americana, PhD Thesis, Universidad del Tolima, 2018.
4. Zhang X., S.M. Kirby, Y. Chen, S.L. Anna, L.M. Walker, F.R. Hung, P.S. Russo, Formation and elasticity of membranes of the class II hydrophobin Cerato-ulmin at oil-water interface, Colloids and Surfaces B 164 (2018) 98–106.
5. Li W., Y. Wang, J. Li, Y. Jiao, J. Chen, synergistic and competitive effects of monoglycerides on the encapsulation and interfacial shear rheology behaviour of soy proteins, Food Hydrocolloids 89 (2019) 631–636.
6. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.

173 R.D. Stanimirova, K.G. Marinova, K.D. Danov, P.A. Kralchevsky, E.S. Basheva, S.D. Stoyanov, E.G. Pelan, Competitive adsorption of the protein hydrophobin and an ionic surfactant: Parallel vs sequential adsorption and dilatational rheology, Colloids and Surfaces A 457 (2014) 307–317. (**Citations: 14**)

1. Lech F.J., P. Stettenpool, M.B.J. Meinders, S. Sforza, H. Gruppen, P.A. Wierenga, Indetifiyng changes in chemical, interfacial and foam properties of β-lacotglobulin-sodium dodecyl sulphate mixtures, Colloids Surfaces A 462 (2014) 44–44.

2. Dan A., G. Gochev, R. Miller, Tensiometry and dilational rheology of mixed β-lactoglobulin/ionic surfactant adsorption layers at water/air and water/hexane interfaces, Journal of Colloid and Interface Science 449 (2015) 383–391.
3. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
4. Song Q., Protein adsorption in microengraving immunoassays, Sensors 15(10) (2015) 26236−26250.
5. Kirbi S.M., X. Zhang, P.S. Russo, S. Anna, L.M. Walker, Formation of a rigid hydrophobin film and disruption by an anionic surfactant at an air/water interface, Langmuir 32(22) (2016) 5542−5551.
6. Meena J., Singh M., Interacting behavior of bovine serum albumin at CMCs fo aqueous Tween 20-80 studied by UV spectroscopy, Journal of Scientific and Industrial Research 75(12) (2016) 725−729.
7. Nandagopal G.M.S., R. Antony, A.K.O. Rakesh, N. Selvaraju, Conservative level set simulation of droplet formation in a circular T and Y junction microchannel, Journal od Scientific and Industrial Research 75(12) (2016) 730–734.
8. Linke C., S. Drusch, Pickering emulsions in foods: Opportunities and limitations, Critical Reviews in Food Science and Nutrition, Taylor and Francis, 2017.
9. Politova N., S. Tcholakova, N.D. Denkov, Factors affecting the stability of water-oil-water emulsion films, Colloids Surfaces A 522 (2017) 608−620.
10. Игоревна К.К., Синергетические эффекты в смешанных водых растворах рибаверин-интерферон, Сеченовский вестник 3(29) (2017) 51−56.
11. Linke C., Strategies to increase turbidity in baverage emulsions, PhD Thesis, Technical Universitym Berlin, 2018.
12. Noble A.J., et al. Routine single particle CryoEM sample and grid characterization by tomography, eLife 7 (2018) Art. No. e34257.
13. Goralchuk A., O. Grinchenko, O. Riabets, O. Kotlyar, Food dispersion systems process stabilization. A review, Ukrainian Food Journal 8 (2019) 699–732.
14. Kienskaya K.I., E.V. Il'yushenko, M.V. Sardushkin, N.Y. Guznova, T.Y. Koldaeva, A.M. Kusmaev, R.R. Ibragimova, I.A. Belova, A.V. Kukharenko, L.I. Shaposhnikova, O.V. Zav'yalova, G.V. Avramenko, Quamtitative UV-spectrophotometric determination of ribavirin, Pharmaceutical Chemistry Journal 53(2) (2019) 175–177.

172 P.A. Kralchevsky, K.D. Danov, S.A. Anachkov, Micellar solutions of ionic surfactants and their mixtures with nonionic surfactants: theoretical modeling vs. experiment, Коллоидный журнал 76(3) (2014) 281–296. P.A. Kralchevsky, K.D. Danov, S.A. Anachkov, Micellar solutions of ionic surfactants and their mixtures with nonionic surfactants: theoretical modeling vs. experiment, Colloid Journal 76(3) (2014) 255–270. (**Citations: 7**)

1. Ghosh A. Development of pH-trigerred, self-assembling peptide amphiphiles as tumor targeting imaging vehicles, PhD Thesis, Ohio State University, 2014.
2. Кононов О.В., Е.Л. Котова, И.Д. Устинов, Комбинированная технология обработки отальковванних золотосодержающих молибденитових руд, Обогащение Руд 5 (2015) 9−13.
3. Mandal A., S. Kar, A thermodynamic assessment of micellization for a mixture of sodium dodecyl benzene sulfonate and Tween 80 surfactants for ultralow interfacial tension, Fluid Phase Equilibria 408 (2016) 212−222.
4. Tayari M., A. Maghari, A. Bahramian, Prediction of thermodynamic properties of sodium dodecyl sulfate aqueous solutions through the hetero-SAFT equation of state, Journal of the Iranian Chemistry Society 13(9) (2016) 1667−1672.
5. Buetnerr C., Design and biological evaluation of peptide amphiphile nanoparticles for target tumor delivery, PhD Thesis, Ohaio University, 2017.
6. McClements D.J., S.M. Jafari, Improving emulsion formation, stability and performance using mixed emulsifiers: A review, Advances in Colloid and Interface Science 251 (2018) 55−79.
7. Savignano L., A. Fabozzi, R. Vitiello, M. Fornasier, S. Murgia, S. Guido, V. Guida, L. Paduano, G. D'Ericco, Effect of tail branching on the phase behavior and the rheological properties of amine oxide/ethoxysulfate surfactant mixtures, Colloid Surfaces A 613 (2021) Art. No. 126091.

171 P.V. Petkov, K.D. Danov, P.A. Kralchevsky, Surface pressure isotherm for a monolayer of charged colloidal particles at a water/nonpolar-fluid interface: experiment and theoretical model, Langmuir 30 (2014) 2768–2778. (**Citations: 23**)

1. Bykov A.G., B.A. Noskov, G. Loglio, V.V. Lyadinskaya, R. Miller, dilatational surface elasticity of spread monolayers of polystyrene microparticles, Soft Matter 10 (2014) 6499–6505.

2. Bykov A.G., G. Loglio, R. Miller, B.A. Noskov, Dilatational surface elasticity of monolayers of charged polystyrene nano- and microparticles at liquid/fluid interface, Colloids and Surfaces A 485(20) (2015) 42–48.
3. Deshmukh O., D. van den Ende, M.C. Stuart, F. Mugele, M.H.G. Duits, Hard and soft colloids at fluid interfaces: Adsorption, interactions, assembly, and rheology, Advances in Colloid and Interface Science 222 (2015) 215–227.
4. Razavi S., K.D. Cao, B. Lin, K.Y.C. Lee, R.S. Tu, I. Kretschmar, Collapse of particle-laden interfaces under compression: buckling vs particle expulsion, Langmuir 31(28) (2015) 7764–7775.
5. Shin S.H.R., Adaptive nanoparticle amphiphiles as multifunctional particle surfactants, PhD Thesis, College of Engineering, Pennsylvania State University, 2015.
6. Bahler P.T., M. Zanini, G. Morgese, E.M. Benetti, L. Isa, Immobilization of colloidal monolayers at fluid-fluid interfaces, Gels 2(3) (2016) Art. No. 2030019.
7. Banchelli M., B. Tiribilli, R. Pini, L. Dei, P. Mateini, G. Caminati, Controlled graphene oxide assembly on sylver nanocube monolayers for SERS detection: dependence of nanocube packing procedure, Beilstein Journal of Nanotechnology 7 (2016) 9–21.
8. Gao P., Z. Yi, X. Xing, T. Ngai, F. Jin, Influence of an additive-free particle spreading method on interactions between charged colloidal particles at an oil/water interface, Langmuir 32(19) (2016) 4909–4916.
9. Gu C., L. Botto, Direct calculataion of anysotropic surface stresses during deformation of a particle-covered drop, Soft Matter 12 (2016) 705–716.
10. Ho C.-C., W.-Y. Lin, F.-G. Tseng, I situ monitoring of colloidal packing at air/water interface using visible laser diffraction, RSC Advances 6(84) (2016) 80463–80467.
11. Huang X., Y. Na, Y. Xiong, X. Wang, K. Peng, Structure characterization of particle film and its role in stabilizing emulsions, Progress in Chemistgry 28(12) (2016) 1743–1752.
12. Janai E. A. Cohen, A.V. Butenko, A.B. Schofield, M. Schultz, E. Sloutskin, Dipolar colloids in apolar media: Direct microscopy of two-dimensional suspensions, Scientific Reports 6 (2016) Art. No. 28578.
13. Bykov A.G., G. Gochev, G. Loglio, R. Miller, A.K. Panda, B.A. Noskov, Dynamic surface properties of mixed monolayers of polystyrene micro- and nanoparticles with DPPC, Colloids Surfaces A 521 (2017) 239–246.
14. Lotito V., T. Zambeli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
15. El-Tawargy A.S., D. Stock, M. Gallei, W.A. Ramadan, M.A. Shams El-Din, G. Reiter, R. Reiter, Multiple structural transitions in Langmuir monolayers of charged soft-shell nanoparticles, Langmuir 34(13) (2018) 3909–3917.
16. Gabovich A.M., A.I. Voitenko, Electrostatic interaction near the interface between dielectric media taking into account the nonlocality of the Coulomb field screening, Journal of Molecular Liquids 267 (2018) 166–176.
17. Karnieli A., T. Markovich, D. Andelman, Surface pressure of charged colloids at air/water interface, Langmuir 34(44) (2018) 13322–13332.
18. Majee A., T. Schmetzer, M. Bier, Electrostatic interaction between dissimilar colloids at fluid interfaces, Physical Review E 97(4) (2018) Art. No. 042611.
19. Zhao Q., Q. Wang, Y. Li, P. Ning, S. Tian, .Influence of volatile organic conpounds (VOCs) on pulmonary surfactant monolayers at air-water interface: Implication for the pulmonary health, Colloids and Surfaces A 562 (2019) 402–408.
20. Cuetos A., N. Morillo, B. Martinez-Haya, Coadsorption of counterionic colloids at fluid interfaces: A coarse-grained simulation study of Gibbs monolayers, Langmuir 36 (2020) 2877–2885.
21. Lotito V., T. Zambelli, Pattern detection in colloidal assembly: A mosaic of analysis techniques, Advances Colloid Interface Science 284 (2020) Art. No. 102252.
22. Pradipto, H. Hayakawa, Simulation of dense non-Brownian suspensions with the lattice Boltzmann method: Shear jammed and fragile states, Soft Matter 16 (2020) 945–959.
23. Thangamuthu M., C. Santschi, O.J.F. Martin, Reliable Langmuir Blodgett colloidal masks for large area nanostructure realization, Thin Solid Films 709 (2020) Art. No. 138195.

170 K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, Micelle-monomer equilibria in solutions of ionic surfactants and in ionic-nonionic mixtures, Advances in Colloid and Interface Science 206 (2014) 17–45. (**Citations: 55**)

1. Khare S., A. Alexander, Ajazuddin, N. Amit, Biomedical application of nanobiotechnology for drug design, delivery and diagnostics, Research Journal of Pharmacy and Technology 7(8) (2014) 915–925.
2. Pons-Jimenez M., R. Cartas-Rosado, J.M. Martinez-Magadan, R. Oviedo-Roa, R. Cisneros-Devora, H.I. Beltran, L.S. Zamudio-Rivera, Theoretical and experimental insights on the true impact of C_{12}TAC cationic surfactant in enhanced oil recovery for heavy oil carbonate reservoirs, Colloids and Surfaces A 455(1) (2014) 76–91.

3. Russel J., Y. Ngothai, R. Sedev, J.N. Connor, Drainage of vertical foam films of concentrated electrolyte solutions, Chemeca 2014: Processing excellence; Powering our future, Barton ACT. Engineers Australia, 711–718.
4. Sturcova A., J. Dubal, A. Zhigunov, N. Kotov, A. Braunova, The effect of micellization-induced deprotonation on the associative behavior of a carboxyl modified Pluronic P85, Soft Matter 10(40) (2014) 8011–8022.
5. Velikova G., I. Georgiev, M. Veneva, Effect of the precipitation of acid soap and alkanoic acid crystallites on the bulk pH, ESGI’104, Sofia, 2014.
6. Zhang F., Synthesis of β-cyclodextrin functionalized cellulose nanocrystals and their interactions with amphiphilic compounds, MSc. Thesis, University of Waterloo, Ontario, Canada, 2014.
7. Bravo B., C. Chavez, C. Gamarro, A. Moreno, N. Marquez, N. Delgado, A. Caceres, M. Luzardo, I. Parra, Phisoco-chemical characterization of new amphiphilic ion pairs based on alkylcarboxilic acids, Biointerface Research in Applied Chemistry 5(1) (2015) 926–930.
8. Brodskaya E.N., A.A. Vanin, Effect of water on the local electric potential of simulated ionic micelels, Journal of Chemical Physics 143(4) (2015) Art. No. 044707.
9. Oszwaldowski S., P. Kuban, Capillary electrophoresis study on phase of mixed micelles and its role in transport phenomena of particles, Analytica Chimica Acta 864 (2015) 85–93.
10. Pashirova T.N., S.S. Lukashenko, S.V. Zakharova, A.D. Voloshina, E.P. Zhitsova, V.V. Zobov, E.B. Souto, L.Y. Zakharova, Self-assembling systems based on quaternized derivatives of 1,4-diazabicyclo[2.2.2]octane in nutrient broth as antimicrobial agents and carriers for hydrophobic drugs, Colloids and Surfaces B 127 (2015) 266–273.
11. Vanin A.A., E.N. Brodskaya, Computer simulation of the surface layer of an ionic micelle with explicite allowance for the contribution of water, Collid Journal 77(4) (2015) 409–417.
12. Zhang L., A. Mikhailovskay, P. Yazhgur, F. Muller, F. Cousin, D. Langevin, Wang N., Salonen A., Precipitating sodium dodecyl sulfate to create ultrastable and stimulable foams, Angewandte Chemie – International Edition 54(33) (2015) 9533–9536.
13. Zhu M., J. Yao, K. Masakorala, R. Chandankere, H. Chen, B. Ceccanti, Ultrasound-assisted extraction of PAH-contaminated clay soil in the Middle Yangtze River Basin, China: Optimisation with response surface methodology, Fresenius Environmental Bulletin 24(10B) (2015) 34263435.
14. Bai G., J. Cheng, Y. Wang, H. Wu, Y. Zhao, K. Zhuo, M. Bastos, Interaction between a hydrophobic rigid face and a flexible alkyl tail: Thermodynamics of self-assembling of sodium cholate and SDS, Journal of Chemical Thermodynamics 100 (2016) 131–139.
15. Bouchal R., Surfactants, ionic liquids, and ionosilicas: functional ionic systes for supramolecular chemistry and elaboration of materials by design, PhD Thesis, Montpelier University, 2016.
16. Febriyanti E., V. Suendo, R.R. Mukti, A. Prasetyo, A.F. Anfin, M.A. Akbar, S. Triwahyono, I.N. Marsih, Ismunandar, Further insight into the definite morphology and formation mechanism of mesoporous silica KCC-1, Langmuir 32(23) (2016) 5802–5811.
17. Gubaidullin A.T., I.A. Litvinov, A.I. Samigullina, O.S. Zueva, V.S. Rukhlov, B.Z. Idiyatullin, Yu.F. Zuev, Structure and dynamics of concentrated micellar solutions of sodium dodecyl sulfate, Russian Chemical Bulletin 65(1) (2016) 158–166.
18. Mandal A., S. Kar, A thermodynamic assessment of micellization for a mixture of sodium dodecyl benzene sulfonate and Tween 80 surfactants for ultralow interfacial tension, Fluid Phase Equilibria 408 (2016) 212–222.
19. Ren Z.H., J. Huang, Y. Luo, Y.C. Zheng, P. Mei, L. Lai, Y.L. Chang, Micellization behavior of binary mixtures of amino sulfonate amphoteric surfactant with different octylphenol polyoxyethylene ethers in aqueous salt solution: Both cationic and hydrophilic effects, Journal of Industrial and Engineering Chemistry 36 (2016) 263–270.
20. Ren Z.H., Y. Luo, Y.C. Zheng, C.J. Wang, D.P. Shi, F.X. Li, Micellization behavior of the mixtures of amino sulfonate amphoteric surfactant and octadecyltrimethyl ammonium bromide in aqueous solution at 40 °C: a tensiometric study, Journal of Material Science 50(4) (2015) 1965–1972.
21. Us’yarov O.G., Small-angle X-ray scattering in sodium dodecyl sulfate solutions and micelle clustering, Colloid Journal 78(5) (2016) 696–704.
22. Владимировна Ш.Ю., Матричная полимеризация йонных мономеров на мицелах противоположно заряженных ПАВ: синтез, структура и свойства продуктов, Дисертация доктора химических наук, Волгоградский Государственны Технический Университет, Волгоград 2016.
23. Cheng M., G. Zeng, D. Huang, C. Yang, C. Lai, C. Zhang, Y. Liu, Advantages and challenges of Tween 80 surfactant-enhanced technologies for the remediation of soils contaminated with hydrophobic organic compounds, Chemical Engineering Journal 314 (2017) 98–113.
24. Kumar S., A. Mandal, Thermodynaimcs of micellization, interfacial behavior and wettability alteration of aqueous solution of nonioinic surfactants, Tenside 54(5) (2017) 427–436.

25. Medos Z., M. Bester-Rogac, Two-step micellization model: The case of long chain carboxylates in water, Langmuir 33(31) (2017) 7722–7731.
26. Perek-Dlugosz A., A. Socha, J. Rynkowski, Electrochemical reactions of sodium 2-ethylhexyl sulfate salt, Electrocatalysis 8(3) (2017) 270–278.
27. Qin L., X.-H. Wang, Surface adsorption and thermodynamic properties of mixed system of ionic liquid surfactants with cetyltrimethyl ammonium bromide, RSC Advances 7 (2017) 51426–51435.
28. Ren Z.H., J. Huang, Y.C. Zheng, L. Lai, L.L. Hu, Y.I. Chang, Micellization of binary mixture of amino sulfonate amphoteric surfactant and octylphenol polyoxyethylene ether (10) in aqueous solution: different electrolyte effect, Journal of Chemical and Engineering Data 62(3) (2017) 938–946.
29. Wang Y.-X., K. Lin, L. Chen, X.-G. Zhou, S.-L. Liu, Intermolecular interaction in self-assembly process of sodium dodecyl sulfate by vertically polarized Raman spectra, Chinese Journal of Chemical Physics 30 (2017) 365.
30. Bravo B., Chaves G., N. Marquez, N. Delgado, A. Caceres, M. Luzardo, I. Parra, M. Collins, A. Borja, Aggregation behavior of novel ion pair surfactants, Revista Bases de la Ciencia 3(2) (2018) 1–10.
31. Fernandez-Alvarez R., Z. Medos, Z. Tosner, A. Zhigunov, M. Uchman, S. Hervo-Hansen, M. Lund, M. Bester-Rogac, P. Matejicek, Total descrpiption of intrinsic amphiphile aggregation: Calotimetry study amd molecular probing, Langmuir 34 (2018) 14448–14457.
32. Jiang H., G. Beaucage, K. Vogtt, M. Weaver, The effect of solvent polarity on wormlike micelles using dipropylene glycol (DPG) as a cosolvent in an anionic/zwitterionic mixed surfactant system, Journal of Colloid and Interface Science 509 (2018) 25–31.
33. Scholz N., T. Behnke, U. Resch-Genzer, Determination of the critical micelle concentration of neutral and ionic surfactants with fluotometry, conductometry, and surface tension – A method comparison, Journal of Fluorescence 28(1) (2018) 465–476.
34. Sewerin A., Interactions between surfactants and the skin: Theory and practice, Advances in Colloid and Interface Science 256 (2018) 242–255.
35. Us'yarov O.G., E.V. Plotnikova, T.G. Movchan, The effect of background electrolyte on the viscosity of aqueous dodecyltrimethylammonium bromide solutions, Colloid Journal 80(4) (2018) 447–452.
36. Wang X., W. Xiao, L. Zhang, X. Gao, Study of synergistic adsorption effect of n-nonyl alcohol and steryl phosphoric acid upon the surface of rutile, Nuclear Techniques 41(9) (2018) Art. No. 090501.
37. Barbero F., O.H. Moriones, N.G. Bastus, V. Puntes, Dynamic equilibrium in the cetyltrimethylammonium bromide-Au nanoparticle bilayer, and the consequent impact on the formation of the nanoparticle protein corona, Bioconjugate Chemistry 2019.
38. Han W.M., X. Zhou, J. Tan, L.Q. Peng, W.H. Zhang, Evaluation of ecotoxicity of typical surfactants for leather manufacture by luminescent bacteria, 35th IULTCS Congress 2019: "Benign by Design" Leather - The Future through Science and Technology 2019, Art. No. 121.
39. Nieto-Alvarez D.-A., J.-M. Martinez-Magadan, R. Ceron-Camacho, A.-G. Servin-Najera, R. Cisneros-Devora, L.-S. Zamudio-Rivera, Density functional theory and UPLC/MS/ESI studies of the zwitterionic surfactant-Na^+ pair formation, Journal of Molecular Graphics and Modeling 91 (2019) 204–213.
40. Oszwaldowski S., Capillary electrophoresis study on segment/segment system and its role in characterization of nanoparticles, 1601 (2019) 365–374.
41. Sharker K.K., S.-I. Yusa, C.M. Phan, Micellar formation of cationic surfactants, Heliyon 5(9) (2019) Art. No. 02425.
42. Waissenborn E., B. Braunschweig, Specific ion effects of dodecyl sulfate surfactants with alkali ions at the air-water interface, Molecules 24 (2019) Art. No. 2911.
43. Wasilewski T., Y.-Q. Sun, W. Hireszuch, A. Seweryn, T. Bujak, Evaluation of ethoxylated rapeseed oil fatty acids esters as nonionic co-surfactant in hand dishwashing liquids, Tenside Surfactants 56(4) (2019) 279–286.
44. Xiao W., P. Cao,Q. Liang, E. Zhang, J. Wang, Synergistic adsorption mechanism of styryl phosphoric acid and nonyl alcohol on the rutile surface and effects on flotation, Canadian Metallurgical Quarterly 58 (2019) 19–27.
45. Zueva O.S. Modified method of conductometric data analysis to calculate the conductivity of surfactant ions, E3S Web of Conferences 124 (2019) Art. No. 03009.
46. Zueva O.S. Modified method of conductometric data analysis to calculate the degree of ionization and conductivity of micelles, E3S Web of Conferences 124 (2019) Art. No. 03008.
47. Zueva O.S., V.S. Rukhlov, E.V. Gazeeva, Y.K. Mongush, Mathematical modeling of surfactant self-organization in water solution in the presence of carbon nanotubes, IOP Conference Series: Earth and Environmental Science 288(1) (2019) Art. No. 012059.
48. Bali M., O. Masalci, Interactions of cationic surfactants with polyvinylpyrrolidone (PVP): Effects of counter ions and temperature, Journal of Molecular Liquids 303 (2020) Art. No. 112576.

49. Calderon S.M., J. Malila, N.L. Prisle, Model for estimating activity coefficients in binary and ternary ionic surfactant solutions: The CMC based ionic surfactant activity (CISA) model for atmospheric applications, Journal of Atmospheric Chemistry 77 (2020) 141–168.
50. Morni A., S.M. Mostafavi, Cloud point-dispersive liquid-liquid microextraction for preconcentration and separation of mercury in wastewater samples by methylsulfanyl thiophenol material, Analytical Methods in Environmental Chemistry Journal 3 (2020) 63–71.
51. Olutas E.B., T. Taskesen, N.B. Kartal, Double-tailed single-head amino acid-based chiral cationic amphiphilic molecules: Synthesis, characterization, and physicochemical properties, Journal of Surfactants and Detergents 23 (2020) 153–168.
52. Sarac B., M. Bester-Rogac, The influence of ionic liquids on micellization of sodium dodecyl sulfate in aqueous solutions, Acta Chim, Slov. 67 (2020) 1–7.
53. Seweryn A., T. Wasilewski, Detergents in the coacervate form with plant extracts obtained under supercritical carbon dioxide conditions as examples of sustainable products, Journal of Dispersion Science and Technology 41 (2020) 797–808.
54. Mirgorod Y., A. Storozhenko, The role of zero-point energy of water in micelle formation of ionic surfactants, Southwest State University, Kursk, 2020.
55. Yanagisawa N., M. Tani, R. Kurita, Dynamics and mechanism of liwuid film collapse in a foam, Soft Matter 17 (2021) 1738–1745.

169 S.A. Anachkov, P.A. Kralchevsky, K.D. Danov, G.S. Georgieva, K.P. Ananthapadmanabhan, Disclike vs. cylindrical micelles: Generalized model of micelle growth and data interpretation, Journal Colloid & Interface Science 416 (2014) 258–273. (**Citations: 12**)

1. Kumar K., S. Chauchan, Surface tension and UV-visible investigations of aggregation and adsorption behavior of NaCl and NaDC in water-amino acid mixtures, Fluid Phase Equilibria 394 (2015) 165–174.
2. Abdelmohsen L.K.E.A., R.S.M. Rikken, P.C.M. Christianen, J.C.M. van Hest, D.A. Wilson, Shape characterization of plymersome morphologies via light scattering technique, Polymer 107 (2016) 445–449.
3. Chauhan S., V. Sharma, K. Singh, M.S. Chauhan, K. Singh, Influence of lactose on the micellar behaviour and surface activity of bile salts as revealed through fluorescence and surface tension studies at varying temperatures, Journal of Molecular Liquids 222 (2016) 67–76.
4. Danino D., L. Abezgauz, I. Portnaya, N. Dan, From disc to ribbon networks: The second critical micelle concentration in nonionic sterol solutions, Journal of Physical Chemistry Letters 7(8) (2016) 1434–1439.
5. Greenall M.J., Disk-shaped bicelles in block copolymer/homopolymer blends, Macromolecules 49(2) (2016) 723–730.
6. Mandal A., S. Kar, A thermodynamic assessment of micellization for a mixture of sodium dodecyl benzene sulfonate and Tween 80 surfactants for ultralow interfacial tension, Fluid Phase Equilibria 408 (2016) 212–222.
7. Zhang D., X. Wang, Effect of vesicle-to-micelle transition on the interaction of phospholipid/sodium cholate mixed systems wit curcumin in aqueous solution, Journal of Physical Chemistry B 120(30) (2016) 7392–7400.
8. Nagy R., R. Kothencz, L. Bartha, A. Vago, Determination of particle shape and size of micelles formed in aqueous solution of surfactants, XXII. Fiatal Műszakiak Tudományos Ülésszaka, 2017. Kolozsvár, 307–310.
9. Manganaro N., I. Pisagatti, A. Notti, A. Pappalardo, S. Patane, N. Micali, V. Villari. M. Parisi, G. Gattuso, Ring/chain morphology control in overall-neutral, internaly ion-paired supramolecular polymers, Chemistry. A European Journal 24(5) (2018) 1097–1103.
10. Mitrinova Z., S. Tcholakova, N. Denkov, Control of surfactant solution rheology using medium-chain cosurfactants, Colloids and Surfaces A 537 (2018) 173–184.
11. Dey J., R. Ghosh, R. Das Mahapatra, Self-assembly of unconventional low-molecular-mass amphiphiles containing a PEG chain, Langmuir 35 (2019) 848–861.
12. Li J., X.-F. Zhang, C.-W. Zhang, N. Xu, Mesoscale Brownian dynamics simulation on the self-assembly behaviors of rodlike micelles of CTAC/NaSal surfactants, China Surfactant Detergent and Cosmetics 50 (2020) 213–219.

168 P.A. Kralchevsky, K.D. Danov, S.A. Anachkov, G.S. Georgieva, K.P. Ananthapadmanabhan, Extension of the ladder model of self-assembly from cylindrical to disclike surfactant micelles, Current Opinion in Colloid & Interface Science 18 (2013) 524–531. (**Citations: 7**)

1. Mukherjee J., M.N. Gupta, Nolecular bioimprinting of lipases with surfactants and its functional consequences in low water media, International Journal of Biological Macromolecules 81 (2015) 544–551.
2. Abdelmohsen L.K.E.A., R.S.M. Rikken, P.C.M. Christianen, J.C.M. van Hest, D.A. Wilson, Shape characterization of plymersome morphologies via light scattering technique, Polymer 107 (2016) 445–449.

3. Danino D., L. Abezgauz, I. Portnaya, N. Dan, From disc to ribbon networks: The second critical micelle concentration in nonionic sterol solutions, Journal of Physical Chemistry Letters 7(8) (2016) 1434−1439.
4. Berlepsch H.V., B.N.S. Thota, M. Wyszogrodska, S. De Carlo, R. Haag, C. Bottcher, Controlled self-assembly of stomatosomes by use of single-component fluorinated dendritic amphiphiles, Soft Matter 14(25) (2018) 5256–5269.
5. Mamardashvili G.M., E.Y. Kaigorodova, I.A. Khodov, I. Scheblykin, N.Z. Mamardashvili, O.I. Koifman, Micelles encapsulated Co(III)-tetra(4-sulfophenyl)porphyrin in aqueous CTAB solutions: Micelle formation, imidazole binding and redox Co(III)/Co(II) processes, Journal of Molecular Liquids 293 (2019) Art. No. 111471.
6. Kolwas M., D. Jakubczyk, J. Archer, T.D. Duk, Evolution of mass, surface layer composition and light scattering of evaporating, single microdropletes of SDS/DEG suspension. Shrinking droplet surface as the micelles generator, Journal of Quantitative Spectroscopy and Radiative Transfer 258 (2021) Art. No. 107396.
7. Denk P., A. El Maangar, J. Lal, D. Kleber, T. Zemb, W. Kunz, Phase diagrams and microstructures of aqueous short alkyl chain polyethylene glycol ether carboxylate and carboxylic acid triblock surfactant solutions, Journal of Colloid and Interface Science 590 (2021) 375–386.

167 K.D. Danov, P.A. Kralchevsky, Forces acting on dielectric colloidal spheres at a water/nonpolar-fluid interface in an external electric field: 2. Charged particles, Journal of Colloid and Interface Science 405 (2013) 269–277. (**Citations: 5**)

1. Domingues A., Signature of the time-dependent hydrodynamic interactions on the collective diffusion in colloidal monolayers, Physcial Review E 90(6) (2014) Art. No. 062314.
2. Bossa G.V., J. Roth, K. Bohinc, S. May, The apparent charge of nanoparticles trapped at a water interface, Soft Matter 12(18) (2016) 4229–4240.
3. Bossa G.V., K. Bohinc, M.A. Brown, S. May, Dipole moment of a charged particle trapped at the air-water interface, Journal of Physical Chemistry B 120(26) (2016) 6278−6285.
4. Hu Y., P. Vlahovska, M.J. Miksis, Dielectric spherical particle on an interface in an applied electric field, SIAM Journal of Applied Mathemetics 70(3) (2019) 850−875.
5. Hu Y., P. Vlahovska, M.J. Miksis, Aelectrohydrodynamic assembly of colloidal particles on a drop interface, Mathematical Biosciences and Engineering 18 (2021) 2357−2371.

166 K.D. Danov, P.A. Kralchevsky, Forces acting on dielectric colloidal spheres at a water/nonpolar-fluid interface in an external electric field: 1. Uncharged particles, Journal of Colloid and Interface Science 405 (2013) 278–290. (**Citations: 7**)

1. Domingues A., Signature of the time-dependent hydrodynamic interactions on the collective diffusion in colloidal monolayers, Physcial Review E 90(6) (2014) Art. No. 062314.
2. Покотило О.А., Латеральні капілярні сили в живих системах, Фармакологія та фармація 2(81) (2014) 106–109.
3. Kumar A., B.K. Mandal, P. Mishra, Morphology of colloid particles dispersed in nematic solvent, Journal of Physics: Conference Series 765 (2016) Art. No. 012022.
4. Hu Y., P. Vlahovska, M.J. Miksis, Dielectric spherical particle on an interface in an applied electric field, SIAM Journal of Applied Mathemetics 70(3) (2019) 850−875.
5. Jia Y., R. Huang, Y. Lan, Y. Ren, H. Jiang, D. Lee, Reversible aggregation and dispersion of particles at a liquid–liquid interface using space charge injection, Advanced Materials Interfaces 6 (2019) Art. No. 1801920.
6. Vlahovska P.M., Electrohydrodynamics of drops and vesicles, Annual Review of Fluid Mechanics 51 (2019) 305–330.
7. Hu Y., P. Vlahovska, M.J. Miksis, Aelectrohydrodynamic assembly of colloidal particles on a drop interface, Mathematical Biosciences and Engineering 18 (2021) 2357−2371.

165 S.E. Anachkov, K.D. Danov, E.S. Basheva, P.A. Kralchevsky, K.P. Ananthapadmanabhan, Determination of the aggregation number and charge of ionic surfactant micelles from the step wise thinning of foam films, Advances in Colloid and Interface Sci. 183–184 (2012) 55–67. (**Citations: 80**)

1. Dey J., S. Shrivastava, Physicochemical characterization ans self-assembly studies on cationic surfactants bearing mPEG tail, Langmuir 28(50) (2012) 17247−17255.
2. Storm S., Jakobtorweihen S., Smirnova I., Panagiotopoulos A.Z., Molecular dynamic simulation of SDS and CTAB micellization and prediction of partition equilibria with COSMOmic, Langmuir 29(37) (2013) 11582−11592.
3. Voronin M.A., D.R. Gabdrakhmanov, R.N. Khaibullin, I.Y. Strobykina, V.E. Kataev, B.Z. Idiyatullin, D.A. Faizullin, Y.F. Zuev, L.Y. Zakharova, .I. Konovalov, Novel biometric systems based on amphihilic

compounds with a diterpenoid fragment: Role of counterions in self-assembly, Journal of Colloid and Intertface Science 405 (2013) 125–133.
4. Kitagawa H., Development of sustained anyimicrobial-release systems using poly-HEMA/TMPT hydrogels, PhD Thesis, Osaka University, 2014.
5. Kitagawa H., K. Takeda, R. Kitagawa, N. Izutani, S. Miki, N. Hirose, M. Hayashi, S. Imazato, Development of sustained antimicrobial-release systems using poly(2-hydroxyethyl methacrylate)/trimethylolpropane trimethacrylate hydrogels, Acta Biomaterialia 10 (2014) 4285–4295.
6. Poghosyan A.H., L.H. Arsenyan, A.A. Shahinyan, Long-chain alkyl sulfonate micelle fission: a molecular dynamics study, Colloids and Polymer Science 292 (2014) 3147–3156.
7. Qin B., Y. Lu, Li F., Y. Jia, C. Zhu, Q. Shi, Preparation and stability of inorganic solidified foam for preventing coal fires, Advances in Material Sciences and Engineering 2014 (2014) Art. No. 347386.
8. Rumyantsev A.M., S. Santer, E.Y. Kramarenko, Theory of collapse and overcharging of a polyelectrolyte microgel induced by an oppositely charged surfactant, Macromolecules 47(15) (2014) 5388–5399.
9. Storm S., Jakobtorweihen S., Smirnova I., Solubilization in mixed micelles studied by molecular dynamics simulations and COSMOmic, J. Phys. Chem. B 118(13) (2014) 3593–3604.
10. Wang G., D. Zhang, Z. Du, P. Li, Spontaneous vesicle formation from trisiloxane-tailed gemini surfactant, Journal of Industrial and Engineering Chemistry 20(4) (2014) 1247–1250.
11. Bakhitiari L., H.R. Rezaie, J. Javadpour, M. Erfan, M.A. Shokrgozar, The effect of synthesis parameters on the geometry and dimensions of mesoporous hydroxyapatite nanoparticles in the presence of 1-dodecanethiol as a pore expander, Material Science and Engineering C 53 (2015) 1–6.
12. Bakhtiari L., H.R. Rezaie, J. Javadpour, M. Erfan, M.A. Shokrgozar, The effect of micellization pH on properties of sphere-like mesoporous hydroxyappatite, International Journal of Engineering, Transactions A: Basics 28(7) (2015) 1088–1095.
13. Briscoe W.H., Depletion forces between particles immersed in nanofluids, Current Oppinion in Colloid and Interface Science 20(1) (2015) 46–53.
14. Chen Z., T.L. Greaves, R.A. Caruso, C.J. Drummond, Amphiphile micelle structures in the protonic ionic liquid ethylammonium nitrate and water, Journal of Pysical Chemistry B 119(1) (2015) 179–191.
15. Fontana A., S. Guemelli, N. Zaccheroni, D. Genovese, L. De Crescentili, S. Riela, Micellization properties of cardanol as a renewable co-surfactant, Organic and Biomolecular Chemistry 13(35) (2015) 9214–9222.
16. Krajisnik D., A. Dakovic, A. Malenovic, M. Kragovic, J. Milic, Ibuprofen sorption and release by modified natural zeolites as prospective drug carriers, Clay Minerals 50(1) (2015) 11–22.
17. Lu Y., B. Qin, Experimental investigation of closed porosity of inorganic solidified foam designed to prevent coal fires, Advances in Material Sciences and Engineering 2015 (2015) Art. No. 724548.
18. Mao R., M.-T. Lee, A. Vishnyakov, A.V. Neimark, Modelling aggregation of ionic surfactants using a smeared charge approximation in dissipative particle dynamic simulations, The Journal of Physical Chemistry B 119(35) (2015) 11673–11683.
19. Martens B.S., O.D. Velev, Characterization and control of surfactant-mediated Norovirus interactions, Soft Matter 11 (2015) 8621–8631.
20. Martinez-Santiago J., Polyelectrolyte-surfactant phase behavior and mechanisms of interaction in multicomponent systems, PhD Thesis, Columbia University, 2015.
21. Nguyen H.T., W.-S. Chang, N.C. Nguyen, S.-S. Chen, H.-M. Chang, Influence of micelle properties on micellar-enhanced ultrafiltration from chronium recovery, Water Science and Technology 72(11) (2015) 2045–2051.
22. Poghosyan A.H., L.H. Arsenyan, A.A. Shahinyan, J. Koetz, Polyethyleneimine loaded inverse SDS micelle in pentanol/toluene media, Colloids and Surfaces A 506 (2015) 402–408.
23. Poghosyan A.H., L.H. Arsenyan, A.A. Shahinyan, Shape of long chain alkyl sulfonate micelles upon salt addition: A molecular dynamic study, Journal of Surfactants and Detergents 18(5) (2015) 755–760.
24. Vashishtcha M., M. Mishra, D.O. Shah, Study of catalytic property of NaOH-cationic surfactant solutions for efficient, green and selective synthesis of flavone, Journal of Molecular Liquids 210(A) (2015) 151–159.
25. Versace R.E., T. Lazanidis, Moddeling protein-micelle systems in implicit water, Journal of Physical Chemistry B 119(25) (2015) 8037–8047.
26. Yi Z., Functionalised mesoporous silica nanoparticles for smart agrochemical delivery systems, PhD Thesis, Deakin University, 2015.
27. Zhang Y., V. Sharma, Domain expansion dynamics in stratifying foam films: Experiments, Soft Matter 11(22) (2015) 4408–4417.
28. Beltramo P.J., J. Vermant, Simple optical imaging of nanoscale features in free-standing films, ACS Omega 1(3) (2016) 363–370.
29. Chen R., L. Zhang, D. Zhang, W. Shen, Wetting and drying of colloidal droplets: Physics and pattern formation, in: Advances in Colloid Science, Intech, 2016, Ch. 1.

30. Farafonov V.S., A.V. Lebed, Molecular dynamics simulation study of cetylpyridinum chloride and cetyltrimethylammonium bromide micelles, Kharkov University Bulletin, Chemical Series 27(50) (2016) 25–30.
31. Mao R., Design and testing of mesoscale models of industrial surfactants by dissipative particle dynamics, PhD Thesis, Rutgers University, 2016.
32. Mishra A., New applications for surfactant base colloidal systems: An experimental and computational approach, PhD Thesis, Wichita State University, 2016.
33. Poghosyan A.H., L.H. Arsenyan, A.A. Shahinyan, J. Koetz, Polyethyleneimine loaded inverse SDS micelles in pentanol/toluene media, Colloids and Surfaces A 506 (2016) 402–408.
34. Qamar S., P. Brown, S. Ferguson, R.A. Khan, B. Ismail, A.R. Khan, M. Sayed, A.M. Khan, The interaction of a model active pharmaceutical with cationic surfactant and the subsequent design of drug based ionic liquid surfactants, Journal of Colloid and Interface Science 481 (2016) 117–124.
35. Ritter E., D. Yordanova, T. Gerlach, I. Smirnova, S. Jakobtorweihen, Molecular dynamic simulations of vrious micelles to predict micelle water partition equilibria with COSMOmic: Influence of micelle size and structure, Fluid Phase Equilibria 422 (2016) 43–55.
36. Simion E.L., G. Stinga, A. Baran, L. Aricov, I.C. Gifu, D.F. Anghel, Smart borax complexes starting from anionic surfactant in association with unlabeled or fluorescently labeled poly(acrylic acid)s, Colloid and Polymer Science 294(5) (2016) 927–939.
37. Stoyanova K., Z. Vinarov, S. Tcholakova, Improving Ibopropen solubility by surfactant-facilitated self-assembly into mixed micelles, Journal of Drug Delivery Science and Technology 36 (2016) 208–215.
38. Zhang Y. S. Yilixiati, C. Pearsall, V. Sharma, Nanoscopic terraces, mesas, and ridges in freely standing thin films sculpted by supramolecular oscillatory surface forces, ACS Nano 10(4) (2016) 4678–4683.
39. Ciesla J., M. Koczanska, J. Narkiewicz-Michalek, M. Szymula, A. Biegowanski, Alpha-tocopherol in CTAB/NaCl systems — The light scattering studies, Journal of Molecular Liquids 233 (2017) 15–22.
40. Elfeki S.A., S.E. Mahmoud, A.F. Youssel, Applications of CTAB modified magnetic nanoparticles for removal of chronium (VI) from contaminated water, Journal of Advanced Research 8(4) (2017) 435–443.
41. Fang L., J. Tan, Y. Zheng, G. Yang, J. Yu, S. Feng, Synthesis, aggregation behavior of novel cationic silicone surfactants in aqueous solution and their application in metal extraction, Journal of Molecular Liquids 231 (2017) 134–141.
42. Farafonov V.S., A.V. Lebed, Developing and validating a set of all-atom models for sodium dodecyl sulfate, Journal of Chemical Theory of Computation 13(6) (2017) 2742–2750.
43. Imazoto S., H. Kitagawa, R. Tsuboi, R. Kitagawa, P. Thonthai, J.-I. Sasaki, Non-biodegrable polymer particles for drug delivery: A new technology for “bio-active” restorative matgerials, Dental Materials Journal 36(5) (2017) 524–532.
44. Roy A., B. Debnath, R. Sahoo, T. Aditya, T. Pal, Micelle confined mechnistic pathway for 4-nitrophenol reduction, Journal of Colloid and Interface Science 493 (2017) 288–294.
45. Rusanov A.I., Micellization theory based on the law of mass action with a variable aggregation number, Colloid Journal 79(5) (2017) 654–660.
46. Rusanov A.I., On the problem of determining aggregation numbers from surface tension measurements, Langmuir 33(47) (2017) 12643–12650.
47. Shin K., M. Sarker, S.K. Huang, J.K. Rainey, Apelin conformational and binding equilibria upon micelle interaction primarily depend on membrane-mimetic headgroup, Scientific Reports 7 (2017) Art. No. 15433.
48. Tarai M., K. Mishra, Application of multivariate curve eesolution–alternate least square technique on extracting pure spectral components from multiple emitting systems: A case study, Journal of Fluorescence 27(6) (2017) 2023–2036.
49. Румянцев А.М., Влияние конкуренции електростатичвских и неелектростатических взаимодействий на конформационное поведение полимерних сеток, Дисертация, Физический факултет, МГУ, Москва, 2017.
50. Huang D., T. Jiang, W.-J. Wang, D.-H. Yu, stufy of solution properties of a novel surfactant of citric acid monoester and its application in oleogel, Modern Food Science and Technology 34(5) (2018) 113–122.
51. Hussain E., N. Niu, H. Zhou, S.A. Shahzad, C. Yu, Aggregation enhanced excimer emission (AEEE) of benzo[ghi]perylene and coronene: multimode probes for facile monitoring and direct visualization of micelle transition, Analyst 143(18) (2018) 4283–4289.
52. Joo J., C. Poon, S.P. Yoo, E.J. Chung, Shape effect of peptide aphiphile micelles for targeting monocytes, Molecules 23 (2018) Art. No. 2786.
53. Illa-Tuset S., D.C. Malaspina, J. Faraudo, Coarse-grained molecular dynamics simulation on the interface behavior and self-assembly of CTAB cationinc surfactants, Physical Chemistry Chemical Physics 20(41) (2018) 26422–26430.

54. Kanoje B., A. Jangir, D. Patel, D. Ray, V. Aswal, H. Pal, J. Parikh, K. Kuperkar, Micellar transition (ellipsoidal to ULV) induced in aqueous Gemini surfactant (12-2-12) solution as a function of additive concentration and temperature using experimental and theoretical study, Colloids and Surfaces A 555 (2018) 227–236.
55. Liu R., M. Liu, D. Hood, C.-Y. Chen, C.J. MacNevin, D. Holten, J.S. Lindsey, Chlorophyll-inspired red-region fluorophores: Building block synthesis and studies in aqueous media. Molecules 23(1) (2018) Art. No. 130.
56. Mchedlov-Petrossian N.O., V.S. Farafonov, A.V. Lebedev, Examining surfactant micelles via acid-base indicators: Revisiting the pioneering Hartley–Roe 1940 study by molecular dynamics modeling, Journal of Molecular Liquids 264 (2018) 683–690.
57. Movchan T.G., A.I. Rusanov, E.V. Plotnikova, Calculation aspects of diffusion coeficients in micellar solutions of ionic surfactants, Colloid Journal 80(6) (2018) 660–666.
58. Niroobakhsh Z., A. Belmonte, Dynamics of a reactive micellar oil-water interface in a flowing liquid collumn, Journal of Non-Newtonian Fluid Mechanics 261 (2018) 111–122.
59. Rusanov A., Toward a theory of diffusion of a nonionic surfactant with variable aggregation number in a micellar system, Colloid Journal 80(1) (2018) 81–85.
60. Rusanov A.I., Theory of surfactant diffusion in micellar systems with variable aggregation numbers, Colloids and Surfaces A 551 (2018) 158–164.
61. Rusanov A.I., On the location of CMC and maximum concentration of surface-active ions according to the theory of micellar solutions, Colloid Journal 80(6) (2018) 691–697.
62. Yilixiati S., R. Rafig, Y. Zhang, V. Sharma, Influence of salt on supramolecular structural forces and stratification in micellar freestanding films, ACS Nano 12(2) (2018) 1050–1061.
63. Фарафонов В.С., Локалізація та гідратація органічних барвників в міцелах поверхнево-активних речовин за даними молекулярно-динамічного моделювання, Дисертация, Харків, 2018.
64. Beltran F., A.V. Vela-Gonzalez, T. Knaub, M. Schmutz, M.P. Krafft, L. Miesch, Surfactant micelles enable metal-free spirocyclization of keto-ynamides and access to aza-spiro scaffolds in aqueous media, European Journal of Organic Chemistry 41 (2019) 6989–6993.
65. El-Salamony R.S., M.Z. Abd-Elaziz, R.E. Morsi, A.M. Al-Sabagh, S.S.M. Hassan, Preparation and characterization of rutile titania nanofluids stabilized in different surfactants base fluids, Nanoscience & Nanotechnology – Asia 9 (2019).
66. Eslami H., M. Khani, F. Muller-Plathe, Gaussian charge distribution for incorporation of electrostatic interactions in dissipative particle dynamics: Application to self-assembly of surfactants, Journal of Chemical Theory and Computation 15 (2019) 4197–4207.
67. Ludwig M., M.U. Witt, R. von Klitzing, Briging the gap between two different scaling laws for structuring of liquids under geometrical confinement, Advances in Colloid and Interface Science 269 (2019) 270–276.
68. Tatikolov A.S., P.G. Pronkin, I.G. Panova, Spectral-fluorescence study of the interaction of polymethine dye probes with biological surfactants-bile salt, Spectrochimica Acta A 216 (2019) 190–201.
69. Yilixitiati S., E. Wojcik, Y. Zhang, V. Sharma, Spinodal stratification in ultrathin micellar foam films, Molecular Systems Design amd Engineering 4(3) (2019) 626–638.
70. El-Salamoni R.A., M.Z. Abd-Elaziz, R.E. Morsi, A.M. Al-Sabagh, S.S.M. Hasan, Preparation and characterization of rutile titania nanofluids stabilized in different surfactants base fluids, Nanoscience and Nanotechnology – Asia 10 (2020) 682–695.
71. Hafidi Z., M. Ait Taleb, A. Amedlous, M. El Achouri, Micellar catalysis strategy of cross-condensationrReaction: The effect of polar heads on the catalytic properties of aminoalcohol-based surfactants, Ctalysis Letters 150 (2020) 1309–1324.
72. Ludwig M., R. von Klitzing, Recent progress in measurements of oscillatory forces and liquid properties under confinement, Current Opinion in Colloid and Interface Science 47 (2020) 137–152.
73. Peroukidis S.D., D.G. Tsalikis, M.G. Noro, I.P. Stott, V.G. Mavrantzas, Quantitative prediction of the structure and viscosity of aqueous micellar solutions of ionic surfactants: A combined approach based on coarse-grained MARTINI simulations followed by reverse-mapped all-atom molecular dynamics simulations, Journal of Chemical Theory and Computation 16 (2020) 3363–3372.
74. Ravani A., A. Shukla, N.V. Sastry, D.O. Shah, M.K. Mishra, Micellar catalyzed hydroxylation of 1,2,3-trichloro-4,6-dinitrobenzene: Role of cationic head group–π interaction, Journal of Molecular Liquids 301 (2020) Art. No. 112429.
75. Turchi M., A.A. Kognole, A. Kumar, Q. Cai, G. Lian, A.D. Mackerell, Predicting partition coefficients of neutral and charged solutes in the mixed SLES-fatty acid micellar system, Journal of Physical Chemistry B 124 (2020) 1653–1664.
76. Vinarov Z., G. Gancheva, N. Burdzhiev, S. Tcholakova, Solubilization of itraconazole by surfactants and phospholipid-surfactant mixtures: interplay of amphiphile structure, pH and electrostatic interactions, Journal of Drug Delivery Science and Technology 57 (2020) Art. No. 101688.

77. Zhou Y., X. Yang, J. Zhang, Effects of head groups on the aggregation behavior of lauryl monoglucoside sulfosuccinates in aqueous solution, Journal of Surfactants and Detergents 23 (2020) 177–186.
78. Petricaroli S., J. Herzberger, Y. Sun, J.D. Nickels, R.P. Murphy, K. Weigandt, P.J. Ray, Multiscale microstructure, composition, and stability of surfactant/polymer foams, Langmuir 36 (2020) 14763–14771.
79. Ludwig M., R. von Klitzing, Untangling superposed double layer and structural forces across confined nanoparticle suspensions, Physical Chemistry Chemical Pyshics 23 (2021) 1325–1334.
80. Andrieux S., P. Muller, M. Kaushal, N.S. Macias Vera, R. Bollache, C. Honorez, A. Cagna, W. Drenckhan, Microfludic thin film pressure balance for the study of complex thin films, Lab on a Chip 21 (2021) 412–420.

164 K.D. Danov, G. Radulova, P. Kralchevsky, K. Golemanov, S. Stoyanov, Surface shear rheology of hydrophobin adsorption layers: laws of viscoelastic behavior with applications to long-term foam stability, Faraday Discuss 158 (2012) 195–221. (**Citations: 19**)

1. Erni P., A. Parker, Nonlinear viscoelasticity and shear localization at complex fluid interfaces, Langmuir 28(20) (2012) 7757–7767.
2. Dan A., G. Gochev, J. Kragel, E.V. Aksenenko, V.B. Fainerman, R. Miller, Interfacial rheology of mixed layers of food proteins and surfactants, Current Opinion in Colloid and Interface Science 18(4) (2013) 302–310.
3. Karbashi M., M. Lotfi, J. Kragel, A. Javadi, D. Bastani, R. Miller, Rheology of interfacial layers, Current Opinion in Colloid and Interface Science 19(6) (2014) 514–519.
4. Mendoza A.J., E. Guzman, F. Martines-Pedrero, H. Ritacco, R.G. Rubio, F. Ortega, V.M. Starov, R. Miller, Particle laden fluid interfaces: dynamics and interfacial rheology, Advances in Colloid and Interface Science 206 (2014) 303–319.
5. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2014.
6. Dickinson E., Colloids in food: ingredients, structure, and stability, Annula Review of Food Science and Technology 6 (2015) 211–233.
7. Ettelaie R., B.S. Murray, Evolution of bubble size distribution in particle stabillised dispersion: Competition between particle adsorption and dissolution kinetics, Colloids and Surfaces A 475(1) (2015) 27–36.
8. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
9. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, A.R. Cox, N. Hedges, Adsorption of hydrophobin-protein mixtures at the air-water interface: The impact of pH and electrolyte, Langmuir 31(36) (2015) 10008–10016.
10. Dickinson E., Exploring the frontiers of colloidal behavior where polymers and particles meet, Food Hydrocolloids 52 (2016) 497–509.
11. Chen H., L. Zhang, J. Chen, M. Becton, X. Wang, H. Nie, Effect of CNT length and structural density on viscoelasticity of buckypaper: A coarse-grained molecular dynamics study, Carbon 109 (2016) 19–29.
12. Chen Min, The role of casein micelles and their aggregates in foam stabilization, PhD Thesis, Wageningen University, 2016.
13. Richter M.J., A. Schulz, T. Subkowski, A. Böker, Adsorption and rheological behaviour of an aphiphilic protein at oil/water interfaces, Journal of Colloid and Interface Science 479 (2016) 199–206.
14. Hennig S., Utilization of yeast pheromones and hydrophobin-based surface engineering for novel whole-cell sensor applications, PhD Thesis, Dresden Technical University, 2017.
15. Dickinson E., On the road to understanding and control of creaminess perception in food colloids, Food Hydrocolloids 77 (2018) 372–385.
16. Lo B., Hydrophobins: Biological application and fungal properties, PhD Thesis, Department of Pharmacology, Sidney University, 2018.
17. Feng J., X. Zhang, C. Zhao, M. Chen, Andvamces in protein-polysaccharide interaction at oil-water interface of emulsionBulletin of Fermentation Science and Technology, 48(1) (2019) 14–18.
18. Klein C.O., A. Theodoratou, P.A. Ruhs, U. Jonas, B. Loppinet, M. Wilhelm, P. Fischer, J. Vermant, D. Vlassopoulos, Interfacial Fourier transform shear rheometry of complex fluid interfaces, Rheologica Acta 58 (2019) 29–45.
19. Langevin D., Emulsions, Microemulsions and Foams, Springer, 2020.

163 N.A. Alexandrov, K.G. Marinova, T.D. Gurkov, K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, T.B.J. Blijdenstein, L.N. Arnaudov, E.G. Pelan. A. Lips, Interfacial layers from the protein HFBII hydrophobin: dynamic surface tension, dilatational elasticity and relaxation times, J. Colloid Interface Sci. 376 (2012) 296–306. (**Citations: 52**)

1. Aumaitre E., S. Knoche, P. Cicuta, D. Vella, Wrinkling in the deflation of elastic bubbles, European Physical Journal E 36(3) (2013) Art. No. 22.
2. Balashev K., Atomic force microscopy (AFM) with applications spanning from nanoscale (bio)catalysis and characterization of molecularly ordered nanostructures to molecular biology, DSc Thesis, Sofia University, 2013.
3. Bramanti E., K.J. Skogerboe, R.E. Synovec, Chemical analysis in a drop: a dynamic surface tension detector for polymer and protein characterization, Polymer International 62(8) (2013) 1135–1143.
4. Deckers S., Modeling and biophysical characterization of the primary gushing mechanism in beer, PhD Thesis, KU Leuven, The Holland, 2013.
5. Green A.J., K.S. Littlejohn, P. Hooley, P.W. Cox, Formation and stability of food foams and aerated emulsions: hydrphobins as novel functional ingredients, Current Opinion in Colloid and Interface Science 18(4) (2013) 292–301.
6. Knoche P., D. Vella, E. Aumaitre, P. Degen, H. Rehage, P. Cicuta, J. Kierfeld, Elastometry of deflated capsules: elastic moduli from shape amd wrinkle analysis, Langmuir 29(40) (2013) 12463–12471.
7. Verwijlen T., P. Moldenaers, J. Vermant, A fixture for interfacial dilatational rheometry using a rotational rheometer, European Physical Journal: Special Topics 222(1) (2013) 83–97.
8. Burke J., Cox A., Petkov J., Murray B.S., Interfacial rheology and stability of air bubbles stabilized by mixtures of hydrophobin and β–casein, Food Hydrocolloids 34 (2014) 119–127.
9. Bykov A.G., B.A. Noskov, G. Loglio, V.V. Lyadinskaya, R. Miller, dilatational surface elasticity of spread monolayers of polystyrene microparticles, Soft Matter 10 (2014) 6499–6505.
10. Karbashi M., M. Lotfi, J. Kragel, A. Javadi, D. Bastani, R. Miller, Rheology of interfacial layers, Current Opinion in Colloid and Interface Science 19(6) (2014) 514–519.
11. Knoche S., Instabilities and shape analyses of elastic shells, PhD Thesis, TU Dortmund University, 2014.
12. Memdoza A.J., E. Guzman, F. Martines-Pedrero, H. Ritacco, R.G. Rubio, F. Ortega, V.M. Starov, R. Miller, Particle laden fluid interfaces: dynamics and interfacial rheology, Advances in Colloid and Interface Science 206 (2014) 303–319.
13. Ou S.C., Ion specificity: from air-water interface to the free energetics of hydrophobic association, PhD Thesis, Delaware University, 2014.
14. Yuan W., E. J. Laprade, K. J. Henderson, K. R. Shull, Formation and mechanical characterization of ionically crosslinked membranes at oil-water interface, Soft Matter 10(8) (2014) 1142–1150.
15. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2014.
16. Bromley K.M., R.J. Morris, L. Hobley, G. Brandani, R.M.C. Gillespie, M. McCluskey, U. Zachariae, D. Marenduzzo, N.R. Stanley-Wall, C.E. MacPhee, Interfacial self-assmebly of a bacterial hydrophobin, PNAS 112(17) (2015) 5419–5424.
17. Dickinson E., Colloids in food: ingredients, structure, and stability, Annula Review of Food Science and Technology 6 (2015) 211–233.
18. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
19. Riveros D.G., Shokribousjein Z., Losada-Perez P., Khalesi M.R., Cordova K., Michiels C., Delcour J.A., Verachtert H. Wagner P., Derdelinckx G., Comparison of structure, sequence, physical interactions and its effects on primary gushing among several class II hydrophobins, Brewing Science 68(3-4) (2015) 38–45.
20. Balemans C., M.A. Hulsen, P.D. Anderson, Modeling of complex interfaces for pendant drop experiments, Rheologica Acta 55(10) (2016) 801–822.
21. Cholakova D., N. Denkov, S. Tcholakova, I. Lesov, S.K. Smoukov, Control of drop shape transformations in cooled emulsions, Advances in Colloid and Interface Science 235 (2016) 90–107.
22. Dickinson E., Exploring the frontiers of colloidal behavior where polymers and particles meet, Food Hydrocolloids 52 (2016) 497–509.
23. Gazzera L., R. Milani, L. Pirrie, M. Schmutz, C. Blank, G. Resnati, P. Metrangolo, M.P. Krafft, Design of highly stable echogenic microbubbles through controlled assembly of their hydrophobin shell, Angewantdte Chemie 128(35) (2016) 10419–10423.
24. Kirbi S.M., X. Zhang, P.S. Russo, S. Anna, L.M. Walker, Formation of a rigid hydrophobin film and disruption by an anionic surfactant at an air/water interface, Langmuir 32(22) (2016) 5542–5551.
25. Kumar C., P. Viswanath, Dilatation rheology studies on a semicrystalline ferroelectric copolymer at the air-water interface, RSC Advances 6(20) (2016) 16673–16678.
26. Moriss R.J., K.M. Bromley, N. Stanley-Wall, C.E. MacPhee, A phenomenological description of BsIA assemblies across multiple length scales, Philosophical Transactions of the Royal Society A 374(2072) (2016) Art, No. 20150131.

27. Richter M.J., A. Schulz, T. Subkowski, A. Böker, Adsorption and rheological behaviour of an aphiphilic protein at oil/water interfaces, Journal of Colloid and Interface Science 479 (2016) 199‒206.
28. Shutova Y., B.L. Karna, A.C. Hambdly, B. Lau, R.K. Henderson, P. Le-Clech, Enhancing organic matter removal in desalitation pretreatmen systems by application of dissolved air flotation, Desalination 383 (2016) 12‒21.
29. Радулова Г.М., Повърхностна реология на адсорбционни слоеве от протеина хидрофобин и от ногови смеси с други протеини: експеримент и теоретичен модел, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2016.
30. Bakhshi N., S. Soleimanian-Zad, M. Sheikh-Zeinoddin, Dynamic surface tension measurements for the screening of biosurfactants produced by Lactobacillus plantarum subsp. plantarum PTCC1896, Eznyme and Microbial Technology 101 (2017) 1‒8.
31. Charan H., U. Glebe, D. Anand, J. Kinzel, L. Zhu, M. Bocola, T.M. Garakani, U. Schwaneberg, A. Boker, Nano-thin walled micro-compartments from transmembrane protein-polymer conjugates, Soft Matter 13(15) (2017) 2866‒2875.
32. Chen D., Z. Sun, T.P. Russell, L. Jin, Coassembly kinetics of graphene oxide and block copolymers at the water/oil interface, Langmuir 33(36) (2017) 8961‒8969.
33. Hennig S., Utilization of yeast pheromones and hydrophobin-based surface engineering for novel whole-cell sensor applications, PhD Thesis, Dresden Technical University, 2017.
34. Koepf E., R. Schroeder, G. Brezesinski, W. Friess, The film tells the story: Physical-chemical characteristics of IgG at the liquid-air interface, European Journal of Pharmaceutics and Biopharmaceutics 119 (2017) 396‒407.
35. Mcphee C., N. Stanley-wall, K. Bromley, R. Morris, L. Hobley, Synthetic multiphase systems, US Patent 20170267730.
36. Morris R.J., M. Schor, R.M.C. Gillespie, A.S. Ferreira, L. Baldauf, C. Earl, A. Ostrowskii, L. Hobley, K.M. Bromley, T. Sukhodoub, S. Amaoteli, N.R. Stanley-Wall, C.E. MacPhee, Natural variations in the biofilm-associated protein BslA from the genus Bacillus, Scientific Reports 7 (2017) Art. No. 6730.
37. Nagel M., T.A. Tervoort, J. Vermant, From drop-shape analysis to stress-fitting elastometry, Advance in Colloid and Interface Science 247 (2017) 33‒51.
38. Papicelli M., Complex fluid-fluid interfaces: the interplay between interfacial tension and viscoelasticity, PhD Thesis, ETH Zurich, 2017.
39. Politova N., S. Tcholakova, N.D. Denkov, Factors affecting the stability of water-oil-water emulsion films, Colloids Surfaces A 522 (2017) 608‒620.
40. Hahl H., J.N. Vargas, M. Jung, A. Griffo, P. Laaksonen, M. Lienemann, K. Jacobs, R. Seemann, J.-N. Fleury, Adhesion properties of freestanding hydrophobin bilayers, Langmuir 34 (2018) 8542‒8549.
41. Hegemann J., S. Knoche, S. Egger, M. Kott, S. Demand, A. Unverfehrt, H. Rehage, J. Kierfeld, Pendant capsule elastometry, Journal of Colloid and Interface Science 513 (2018) 549‒565.
42. Linke C., Strategies to increase turbidity in baverage emulsions, PhD Thesis, Technical Universitym Berlin, 2018.
43. Zhang X., S.M. Kirby, Y. Chen, S.L. Anna, L.M. Walker, F.R. Hung, P.S. Russo, Formation and elasticity of membranes of the class II hydrophobin Cerato-ulmin at oil-water interface, Colloids and Surfaces B 164 (2018) 98‒106.
44. Li T., K. Lilja, R.J. Momis, G.B. Brandani, Langmuir-Blodgett technique for anisotropic colloids: Young investigator perspective, Journal of Colloid and Interface Science 540 (2019) 420‒438.
45. Mancipe N.C., Design and production of high-performance hydrophobin surfactant proteins using a dual-domain fusion strategy, PhD Thesis, Minnesota University, 2019.
46. Pepicelli M., N. Jaensson, C. Tregouet, B. Schroyen, A. Alicke, T. Tervoort, C. Monteux, J. Vermant, Surface viscoelasticity in model polymer multilayers: From planar interfaces to rising bubbles, Journal of Rheology 63 (2019) 815‒828.
47. Zhang X., B. Blalock, W. Huberty, Y. Chen, F. Hung, P.S. Russo, Microbubbles and oil droplets stabilized by a class II hydrophobin in marinelike environments, Langmuir 35 (2019) 4380‒4386.
48. Chang H.J., H. Choi, S. Na, Predicting the self-assembly film structure of class II hydrophobin NC2 and estimating its structural characteristics, Colloids and Surfaces B 195 (2020) Art. No. 111269.
49. Malakhova Y.N., A.A. Stupnikov, V.P. Chekusova, N.M. Kuznezov, S.I. Belousov, Rheological behavior of polydimethylsiloxane Langmuir layers at the air-water interface, BioNano Science 10 (2020) 403‒408.
50. Simon S., J. Ruwoldt, J. Soblom, A critical update of experimental techniques of bulk and interfacial components for fluid characterization with relevance to well fluid processing and transport, Advances in Colloid and Interface Science 277 (2020) Art. No. 102120.
51. Zhang Y., F. Zhou, P. Shen, Q. Zhao, M. Zhao, Influence of thermal treatment on oil-water interfacial properties and emulsion stabilization prepared by sono-assembled soy peptide nanoparticles, Food Hydrocolloids 103 (2020) Art. No. 105646.

52. Langevin D., Emulsions, Microemulsions and Foams, Springer, 2020.

162 G.M. Radulova, K. Golemanov, K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, L.N. Arnaudov, T.B.J. Blijdenstein, E.G. Pelan. A. Lips, Surface shear rheology of adsorption layers from the protein HFBII hydrophobin: effect of added β–casein, Langmuir 28 (2012) 4168–4177. (**Citations: 19**)

1. Wang Y., C. Bouillon, A. Cox, E. Dickinson, K. Durga, B.S. Murray, R. Xu, Interfacial study of class II hydrophobin amd its mixtures with milk proteins: relationship to bubble stability, Journal of Agricultural and Food Chemistry 61(7) (2013) 1554–1562.
2. Burke J., Cox A., Petkov J., Murray B.S., Interfacial rheology and stability of air bubbles stabilized by mixtures of hydrophobin and β–casein, Food Hydrocolloids 34 (2014) 119–127.
3. Dickinson E., Colloids in food: ingredients, structure, and stability, Annual Review of Food Science and Technology, 2014.
4. Ettelaie R., B. Murray, Effect of particle adsorption rates on the disproprotioin process in pickering stabilised bubbles, Journal of Chemical Physics, 140(20) (2014) Art. No. 204713.
5. Sjoblom J., S. Simon, Z. Xu, The chemistry of tetrameric acids in petroleum, Adv. Colloid Interface Sci. 205 (2014) 319–338.
6. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2014.
7. Dickinson E., Colloids in food: ingredients, structure, and stability, Annula Review of Food Science and Technology 6 (2015) 211–233.
8. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
9. Simon S., S. Subramanian, B. Gao, J. Sioblom, Interfacial shear rheology of gels formed at the oil/water interface by tetrameric acid and calcium ion: Influence of tetrameric acid structure and oil composition, Industrial and Engineering Chemistry Research 54(35) (2015) 8713–8722.
10. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, A.R. Cox, N. Hedges, Adsorption of hydrophobin-protein mixtures at the air-water interface: The impact of pH and electrolyte, Langmuir 31(36) (2015) 10008–10016.
11. Li W., Y. Wang, H, Zhao, Z. He, M. Zeng, F. Qin, J. Chen, Improvement of emulsification properties of soy protein through selective hydrolysis: Interfacial shear rheology of adsorption layer, Food Hydrocolloids 60 (2016) 453–460.
12. Richter M.J., A. Schulz, T. Subkowski, A. Böker, Adsorption and rheological behaviour of an aphiphilic protein at oil/water interfaces, Journal of Colloid and Interface Science 479 (2016) 199–206.
13. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, A.R. Cox, N. Hedges, Adsorption of hydrophobin/β-casein mixtures at the solid-liquid interface, Journal of Colloid and Interface Science 478 (2016) 81–87.
14. Hennig S., Utilization of yeast pheromones and hydrophobin-based surface engineering for novel whole-cell sensor applications, PhD Thesis, Dresden Technical University, 2017.
15. Goralchuk A., O. Grinchenko, O. Riabets, O. Kotlyar, Food dispersion systems process stabilization. A review, Ukrainian Food Journal 8 (2019) 699–732.
16. Oliveira C.M. et al., Hydrophobin-stabilized nanoemulsion produced by a low-energy emulsification process: A promising carrier for nutraceuticals, Food Hydrocolloids 89 (2019) 740–757.
17. Penfold J., R.K. Thomas, Adsorption properties of plant based bio-surfactant: Insights from neutron scattering techniques, Advances in Colloid and Interface Science 274 (2019) Art. No. 102041.
18. Pepicelli M., N. Jaensson, C. Tregouet, B. Schroyen, A. Alicke, T. Tervoort, C. Monteux, J. Vermant, Surface viscoelasticity in model polymer multilayers: From planar interfaces to rising bubbles, Journal of Rheology 63 (2019) 815.
19. Patel A.R., Functional and engineering colloids from edible materials for emerging applications in designing the food of the future, Advanced Functional Materials 30 (2020) Art. No. 1806809.

161 K.D. Danov, P.A. Kralchevsky, The standard free energy of surfactant adsorption at air/water and oil/water interfaces: theoretical vs. empirical approaches, Коллоидный журнал 74(2) (2012) 187–200. (**Citations: 45**)

1. Wei Y., A.A. Thyparambil, R.A. Latour, Peptide-surface adsorption free energy comparing solution conditions ranging from low to medium salt concentrations, ChemPhysChem 13(17) (2012) 3782–3785.
2. Fainerman V.B., N. Mucic, V. Pradines, E.V. Aksenenko, R. Miller, Adsorption of alkyltrimethylammonium bromide at water/alkane interfaces: competitive adsorption of alkanes and surfactants, Langmuir 29(45) (2013) 13783–13789.
3. Morse J., A. Huang, G. Li, M.R. Maxey, J.X. Tang, Molecular adsorption steers bacterial swimming at the air/water interface, Biophysical Journal 105(1) (2013) 21–28.

4. Fainerman V.B., E.V. Aksenenko, N. Mucic, A. Javadi, R. Miller, Thermodynamics of adsorption of ionic surfactants at water/alkane interface, Soft Matter 10(36) (2014) 6873–6887.
5. Kamneva N.N., A.Y. Kharchenko, O.S. Bykova, A.V. Sundenko, N.O. Mchedlov-Petrossyan, The influence of 1-butanol and electrolytic background on the properties of CTAB micelles as examined using a set of indicator dyes, Journal of Molecular Liquids 199 (2014) 376–384.
6. Mchedlov-Petrossyan N.O., Adsorption of ionic surfactants on water/air interface: One more transformation of the Gibbs equation, Surface Enginnering and Applied Electrochemistry 50(2) (2014) 173–182.
7. Onaizi S.A., M.S. Nasser, F. Twaiq, Adsorption and thermodynamics of biosurfactant, surfactin, monolayers at the air-buffered liquid interface, Colloid and Polymer Science 292(7) (2014) 1649–1656.
8. Yang C., H. Sun, Surface-bulk partition of surfactants predicted by molecular dynamics symulations, J. Physical Chemistry B 118 (2014) 10695–10703.
9. Bhaskar S., J. Gyu Park, G.H. Cho, S. Kim, I.J. Kim, Wet foam stability and tailoring microstructure of porous ceramics using polymer blends, Advances in Applied Ceramics 114(6) (2015) 333–337.
10. Bhaskar S., J.G. Park, I.S. Han, M.J. Lee, T.Y. Lim, I.J. Kim, Particle stabilized wet foam to prepare SiO2-SiC porous ceramics by colloidal processing, Journal of the Korean Ceramic Society 52(6) (2015) 455–461.
11. Fainerman V.B., R. Miller, E.V. Aksenenko, Thermodynamics of adsorption at liquid interfaces, Computational Methods for Complex Liquid-Fluid Interfaces (2015) 3–40.
12. Mandal B., S. Mondal, A. Pan, S.P. Moulik, S. Ghosh, Physicochemical study of the interaction of lysozyme with surface active ionic liquid 1-butyl-3-methylimidazolium octylsulfate [BMIM] [OS] in aqueous and buffer media, Colloids and Surfaces A 484 (2015) 345–353.
13. Mucic N. A. Javadi, J. Kragel, M. Kabashi, E.V. Aksenenko, V.B. Fainerman, R. Miller, Thermodynamic models for the adsorption of alkyl trimethyl ammonium bromides at the water/hexane interface, Colloid Process Engineering (2015) 309–321.
14. Pan A., A.K. Rakshit, S.P. Moulik, Dwelling on the adsorption of surfactant at the air/water interface in relation to its states in the bulk: A comprehensive analysis, Colloids Surfaces A 464 (2015) 8–16.
15. Shen Z., H. Sun, Prediction of surface and bulk partition of non-ionic surfactants using free energy calculations, Journal of Physical Chemistry B 119(51) (2015) 15623–15630.
16. Захариев Ц.К., Извеждане на термодинамични параметри на нискомолекулни амфифилни вещества, Дисертация, ФХФ, СУ, 2015.
17. Bhaskar S., J.G. Park, M.J. Lee, T.Y. Lim, I.S. Han, I.J. Kim, ZrO_2-TiO_2 porous ceramics from particle stabilized wet foam by colloidal processing, Journal of the Ceramic Society of Japan 124(1) (2016) 106–110.
18. Carrier O. E.H.G. Backus, N. Shahidzadeh, J. Franz, M. Wagner, Y. Nagata, M. Bonn, D. Bonn, Oppositely charged ions at water-air and water-oil interfaces: contrasting the molecular picture with thermodynamics, Journal of Physical Chemistry Letters 7(5) (2016) 825–830.
19. Fainerman V.B., R. Miller, E.V. Aksenenko, Thermodynamic of adsorption at liquid interfacesm in: Computational Methods for Complex Liquid-Fluid Interfaces, M.T. Rahni and R. Miller, Eds., Vol 5. 3-40, 2016.
20. Jang W.Y., D.N Seo, J.G. Park, H.T. Kim, S.M. Lee, S.Y. Kim, I.J. Kim, Highly-closed/-open porous ceramics with micro beads by direct foaming, Journal of the Korean Cermic Society 53(6) (2016) 604–609.
21. Kharchenko A.Y., N.N. Kamneva, N.O. Mchedlov-Petrossyan, The properties and composition of the SDS-1-butanol mixed micelles as determined via acid-base indicators, Colloids and Surfaces A 507 (2016) 243–254.
22. Kharchenko A.Yu., Composition of the sodium dodecylsulfate-1-pentanol mixed micelles as determined using acid-base indicators, Kharkov University Bulletin, Chemical Series 27(50) (2016) 5–15.
23. Lanfranco R., F. Giavazzi, M. Salina, G. Tagliabue, E. Di Nicolo, T. Bellini, M. Buscaglia, Selective adsorption on fluorinated plastic enables the optical detection of molecular pollutants in water, Physcial Review Applied 5(5) (2016) Art. No. 054012.
24. Souilem S., W. Treesuwan, I. Kobayashi, N. Khalid, Z. Bouallagu, M.A. Neves, K. Uemura, H. Isoda, S. Sayadi, M. Nakajima, Simulation of oleuropein structural conformation in vacuum, water and triolein-water systems using molecular dynamics, Food Research International 88(A) (2016) 79–90.
25. Walz M.-M., J. Werner, V. Ekholm, N.L. Prisle, G. Ohrwall, O. Bjorneholm, Alcohols at the aqueous surface: Chain length and isomer effects, Physical Chemistry Chemical Physics 18(9) (2016) 6648–6656.
26. Zahariev T.K., A.V. Tadjer, A.N. Ivanova, Transfer of non-ionic surfactants across the water-oil interface: A molecular dynamic study, Colloids and Surfaces A 506 (2016) 20–31.
27. Aray Y., J.G. Parra, D.M. Jimenez, R. Paredes, A. Martiz, S. Samaniego, M. Cornejo, E.V. Ludena, C. Paredes, Exploring the effect of the O-(1-heptylnonyl) benzene sulfonate surfactant on the nature of the linear hydrocarbons/water interface by means of an atomistic molecular dynamics simulation, Journal of Computational Methods in Science and Engineering 17(1) (2017) 39–53.
28. Bizmark N., Ethyl cellulose nanoparticles in multiphase systems: foams; emulsions; porous media, PhD Thesis, University of Waterloo, Canada, 2017.

29. Ghorbanizadeh S., B. Rostami, Surface and interfacial tension behavior of salt water containing dissolved amphiphilic compounds of crude oil: The role of single-salt ionic composition, Energy and Fuels 31(9) (2017) 9117–9124.
30. Slavchov R., I.B. Ivanov, Adsorption parameters and phase behavior of non-ionic surfactants at liquid interfaces, Soft Matter 13(46) (2017) 8829–8848.
31. Chandra A., J. Vera, W. Durnie, R. Woollam, Understanding the relationship between the corriosion inhibition adsorption and surfactant properties and micellization: Methodology, NACE- International Corriosion Conference Series April (2018) Code: 138812.
32. Hamon J.J.W., The effect of random and controlled lateral confinement on surfactant adsorption, PhD Thesis, Oklahoma University, 2018.
33. Kumar N., A. Mandal, Thermodynamic and physicochemical properties evaluation for formation and characterization of oil-in-water nanoemulsion, Journal of Molecular Liquids 266 (2018) 147–159.
34. Mchedlov-Petrossyan N.O., The Davies equation of state of ionic surfactant adsorbed monolayer and related problems, Colloids Surfaces A 537 (2018) 325–333.
35. Ali F.J., Abd H.K., N.T. Talib, N.H. Al-Chanimi, H.H. Tizkam, Adsorption of metronidazole benzoate from aqueous solution using pomegranate peel: A thermodynamic study, Drug Invention Today 11 (2019) 3037–3064.
36. Banset B., Lim H.M., K.S. Lee, I.J. Kim, Effects of carbon fibers on mechanincal behaviour of Al2O3 porous ceramics, Journal of the Korean Ceramic Society 56(5) (2019) 513–520.
37. Chandra A., J. Vera, W. Durnie, R. Woollam, Relationship between inhibitor adsorption and surfactant properties: Part II – Critical parameters, NACE – International Corrosion Conference Series (2019) Art. No. 13245.
38. Hamon J.J., A. Striolo, B.P. Grady, Osderving the effect of temperature and surface roughness on cetyltrimethylammonium bromide adsorption using a quartz-crystal microbalance with dissipation monitoring, Journal of Surfactamts and Detergents 22 (2019) 1201–1212.
39. Kardos A., T. Gilanyi, I. Varga, How small can poly(N-isopropylavrylamide) nanogels be prepared by controlling the size with surfactants? Jourmal of Colloid and Interface Science 557 (2019) 703–806.
40. Jahan R., A.M. Bodratti, M. Tsianou, P. Alexandridis, Biosurfactants, natural alternatives to synthetic surfactants: Physicochemical properties and applications, Advances Colloid Interface Science 275 (2020) Art. No. 102061.
41. Hinton Z.R., M.J. Alvarez, A molecular parameter to scale the Gibbs free energies of adsorption and micellization for nonionic surfactants, Colloids Surfaces A 609 (2021) Art. No. 125622.
42. Zhao Y., M. Cieplak, Proteins at curved fluid-fluid interfaces in a coarse-grained model, Journal of Physics Condensed Matter 32 (2020) Art. No. 404003.
43. Zhong Q.-L., X.-L. Cao, Y.-W. Zhu, B.-D. Ma, Z.-X. Xu, L. Zhang, G.-Y. Ma, L. Zhang, Studies of interfacial tension of betaine and anioninc-nonionic surfactant mixed solutions, Journal of Molecular Liquids 311 (2020) Art. No. 113262.
44. Brusseau M.L., Examining the robustness and concentration dependency of PFAS air-water and NAPL-water interfacial adsorption coefficients, Water Research 190 (2021) Art. No. 116778.
45. Abu-Alsaud M., A. Al-Ghamdi, S. Ayirala, A. Al-Sofi, Surface complexation modeling of smartwater synergy with EOR in carbonates, Conference Proceedings, IOR 2021, 1–16.

160 V.V. Kumar, K.D. Danov, F. Durst, Extended statistical rate theory for liquid evaporation, KONWIHR-Quartl 2 (2003) 14–19. (**Citations: 2**)

1. Fernandez M.M., Propellant tank pressurization modeling for a hybrid rocket, PhD Thesis, Department of Mechanical Engineering, Kate Gleason College of Engineering, Rochester Institute of Technology, NY, 2009.
2. Muller H.C., Theoretische und praktische Untersuchung einer mehrstufigen solarthermischen Kleinanlage zur Meer- und Brackwasserentsalzung, PhD Thesis, Technischen Hohschule, Aachen, Germany, 2009.

159 S.S. Tzocheva, P.A. Kralchevsky, K.D. Danov, G.S. Georgieva, A.J. Post, K.P. Ananthapadmanabhan, Solubility limits and phase diagrams for fatty acids in anionic (SLES) and zwitterionic (CAPB) micellar surfactant solutions, Journal Colloid and Interface Science 369 (2012) 274–286. (**Citations: 30**)

1. Azevedo D., Caracterização fotofísica do polímero luminescente Poly-3-Diethyl -butylsulfonate-hexyl-thiophene (P3DEBAHT) em solução e sua interação com diferentes surfactants, PhD Thesis, Universidade de Coimbra, Portugal, 2013.
2. Piroird K., E. Lorenceau, Capillary flow of oil in a single foam microchannel, Physical Review Letters 111(23) (2013) Art. No. 234503.

3. Ceschia E., J.R. Harjani, C. Liang, Z. Ghoshouni, T. Andrea, R.S. Brown, P.G. Jessop, Switchable anioninc surfactants for the remediation of oil-contaminated sand by soil washing, RSC Advances 4(9) (2014) 4638–4645.
4. Gao F., C. Lian, L. Zhou, H. Liu, J. Hu, Phase separation of mixed micelles and synthesis of hierarchical porous materials, Langmuir 30(38) (2014) 11284–11291.
5. Lee S.-W., K.E. Tettey, Y. Yarovoy, D. Lee, Effects of anionic surfactants on the water permeability of a model stratum corneum lipid membrane, Langmuir 30(1) (2014) 220–226.
6. Lesov I., S. Tcholakova, N. Denkov, Factors controlling the formation and stability of foams used as precursors of porous materials, J. Colloid Interface Sci. 426 (2014) 9–21.
7. Noroozi Pesyan N., M. Bagheri, E. Sahin, T. Tunc, New fatty acid derivatives based on barbiturates and other cyclic β-dicarbonyl compounds and an acyl migration, Journal of the Iranian Chemical Society 11(5) (2014) 1429–1437.
8. Pesyan N.N., M. Bagheri, E. Sahin, T. Tunc, New fatty acid derivatives based on barbiturates and other cyclic ß–dicarbonil compounds and an acyl migration, Journal of the Iranian Chemical Society 11(5) (2014) 1429–1437.
9. Doshi N., B. Demeule, S. Yadav, Inderstanding particle formation: Solubility of free fatty acids as polysorbate 20 degradation byproducts in therapeutic monoclonal antibody formulations, Molecular Pharmaceutics 12(11) (2015) 3792–3804.
10. Martinez-Santiago J., Polyelectrolyte-surfactant phase behavior and mechanisms of interaction in multicomponent systems, PhD Thesis, Columbia University, 2015.
11. Arouri A., K.E. Lauritsen, H.L. Nielsen, O.G. Mouritsen, Effect of fatty acid on the permeability barrier of model and biological membranes, Chemistry and Physics of Lipids 200 (2016) 139–146.
12. Giang T.M., S. Gaucel, P. Brestaz, M. Anton, A. Meynier, I.C. Trelea, S. Le Feunteun, Dynamic modelling of in vitro lipid digestion: Individual fatty acid release and bioaccessibility kinetics, Food Chemistry 194 (2016) 1180–1188.
13. Qui X.-Q., S.-Y. Wang, M.S. Zhou, Solution behaviors of sulfonated alkali lignin and sulfonated alkali lignin polyethenoxy ether, Acta Polymerica Sinica 4 (2016) 477–485.
14. Stoyanova K., Z. Vinarov, S. Tcholakova, Improving Ibopropen solubility by surfactant-facilitated self-assembly into mixed micelles, Journal of Drug Delivery Science and Technology 36 (2016) 208–215.
15. Li F., X. Tang, M. Chen, W. Zhang, Effect of polyhydric alcohols, surfactants, emollients and emulsifiers on phase behaviors of ternary fatty acid soap solutions, Journal of Surfactants and Detergents 20 (2017) 1–13.
16. Li F., M. Chen, W. Zhang, Effect of binary/ternary fatty acids ratio and glycerin on the phase behaviors of soap solutions, Journal of Surfactants and Detergents 20(2) (2017) 425–434.
17. Fan Y., H. Tang, Y. Wang, Synergistic behavior and microstructure transition in mixture of zwitterionic surfactant, anionic surfactant, and salts in sorbitol/H_2O solvent: 1. Effect of surfactant compositions, Journal of Surfactants and Detegrents 20(2) (2017) 435–443.
18. Ren Z.H., J. Huang, Y.C. Zheng, L. Lai, L.L. Hu, Interaction and micellar behavior of binary mixture of amino sulfonate amphoteric surfactant with octadecyltrimethylammonium bromide in aqueous solutions of NaCl, Journal of Chemical and Engineering Data 62(6) (2017) 1782–1787.
19. Efthimios K., Study of the influence of surfactants on the activity coefficients and mass transfer coefficients in binary aqueous mixtures by the reversed-flow gas chromatography technique, PhD Thesis, Patra Univeristy, 2018.
20. Matsuoka K. R. Omori, S. Yada, T. Yoshimura, H. Iwase, Solubilization ability of n,n-dimethyl-n-alkylamantylammonium bromide, Journal of Molecualr Liquids 260 (2018) 131–137.
21. Mitrinova Z., S. Tcholakova, N. Denkov, Control of surfactant solution rheology using medium-chain cosrfactants, Colloids and Surfaces A 537 (2018) 173–184.
22. Soboleva O.A., The stability of detonation nanodiamonds hydrolisys in the presence of salts and surfactants, Colloid Journaol 80(3) (2018) 320–325.
23. Matsuoka K., N, Takahashi, S. Yada, T. Yoshimura, Solubilization ability of star-shaped trimeric quaternary ammonium bromide surfactant, Journal of Molecular Liquids 291 (2019) Art. No. 111254.
24. Saxena P., P.K. Sharma, P. Purohit, The mechanistic approach of the propylene glycol as a co-surfactant through "six member cyclic hydrogen bonding system"for the stable and flexible microemulsion drug carrier, International Journal of Pharmacognosy 6(5) (2019) 172–180.
25. Xu L., S. Amin, Microrheological study of ternary surfactant-biosurfactant mixtures, Interbational Journal of Cosmetic Science, 41 (2019) 364–370.
26. Yada S., K. Matsuoka, N. Kanasaki, K. Gotoh, T. Yoshimura, Emulsification, stabilization, and detergency behaviour of homogeneous polyoxypropylene-polyoxyethylene alkyl ether type nonioniic surfactants, Colloids Surfaces A 564 (2019) 51–58.

27. Turchi M., A.A. Kognole, A. Kumar, Q. Cai, G. Lian, A.D. Mackerell, Predicting partition coefficients of neutral and charged solutes in the mixed SLES-fatty acid micellar system, Journal of Physical Chemistry B 124 (2020) 1653–1664.
28. Yada L., H. Shimosegava, H. Fujita, M. Yamada, Y. Matsue, T. Yoshimura, Microstructural characterization of foam formed by a hydroxy group-containing amino acid surfactant using small-angle neutron scattering, Langmuir 36 (2020) 7808–7813.
29. Glucklich N., M. Dwivedi, S. Carle, J. Buske, K. Mader, P. Garidel, An in-depth examination of fatty acid solubility limits in biotherapeutic protein formulations containing polysorbate 20 and polysorbate 80, International Journal of Pharmaceutics 591 (2020) Art. No. 119934.
30. Shin K.-C., D.-K. Oh, An integrative approach to improving the biocatalytic reactions of whole cells expressing recombinant enzymes, World Journal of Microbiology and Biotechnology 37 (2021) Art. No. 105.

158 K.D. Danov, S.D. Stoyanov, N.K. Vitanov, I.B. Ivanov, Role of surfactants on the approaching velocity of two small emulsion drops, Journal Colloid and Interface Science 368 (2012) 342–355. (**Citations: 13**)

1. Leary T.F., Hydrodynamic and mass transfer properties of microfluidic geometries, PhD Thesis, Department of Chemical Engineering, City College, NY, 2013.
2. Saad Bhamla M., C.E. Giacomin, C. Balemans, G.G. Fuller, Influence of interfacial rheology on drainage from curved surfaces, Soft Matter 10 (2014) 6917–6925.
3. Maldarelli, C., Hydrodynamic flow over microtextured surfaces, Department of Chemical Engineerign, City College NY, No. W911NF1110161, 2015.
4. Bazhlekov I., D. Vasileva, Numerical modeling of drop coalescence in the presence of soluble surfactants, Journal of Computational and Applied Mathematics 293 (2016) 7–19.
5. Hong J.S., P. Fisher, Bulk and interfacial rheology of emulsions stabilized with clay particles, Colloids and Surfaces A 508 (2016) 316–326.
6. Liu S., C. Sun, Y. Xue, Y. Gao, Impact of pH, freeze-thaw and thermal sterilization on physicochemical stability of walnut beverage emulsion, Food Chemistry 196 (2016) 475–485.
7. Shao P., H. Ma, Q. Qiu, W. Jing, Physical stability of R-(+)-Limonene emulsions stabilized by Ulva fasciata algae polysaccharide, International Journal of Biological Macromolecules 92 (2016) 926–934.
8. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367–381.
9. Jin H., W. Wang, F. Liu, Z. Yu. H. Chang, K. Li, J. Gong, Roles of interfacial dynamics in the interaction behaviours between deformable oil droplets, International Journal of Multipahse Flow 94 (2017) 44–52.
10. Da Silva Almeida F.B.P., K.P.S.O.R. Esquerre, J.I. Soletti, C.E. De Farias Silva, Coalescence process to tread produced water: An updated overview and environmental outlook, environmental Science and Pollution Research 26 (2019) 28668–28688.
11. Hong J.S., J. Bergfreund, P. Fisher, Complex emulsion stabilization behavior of clay particles and surfactants based on an interfacial rheological study, Colloids Surfaces A 602 (2020) Art. No. 125121.
12. Zheng L., C. Cao, Z. Chen, L. Cao, Q. Huang, B. Song, Evaluation of emulsion stability by monitoring the interaction between droplets, LWT 132 (2020) Art. No. 109804.
13. Jadhav S.N., U. Ghosh, Effect of surfactants on the settling of a drop towards a wall, Journal of Fluid Mechnics 912 (2021) Art. No. A4.

157 P.A. Kralchevsky, K.D. Danov, E.S. Basheva, Hydration force due to the reduced screening of the electrostatic repulsion in few-nanometer-thick films, Current Opinion in Colloid and Interface Science 16 (2011) 517–524. (**Citations: 32**)

1. Tedjokosumo T.R.S., Dispersion of colloidal silica and its application to form a light-scattering layer on glass substrates, MSc Thesis, Department of Chemical Engineering, NTUST, Taywan, 2011.
2. Johnson K.P., J.A. Maynard, A. Miller, et al., Protein nanoparticle dispersions, US Patent US 20120230913 A1, 2012.
3. Leite F.L., C.C. Bueno, A.L. Da Roz, E.C. Ziemath, O.N. Oliveira Jr. Theoretical model for surface forces and adhesion and their measurement using atomic force microscopy, International Journal of Molecular Science 13(10) (2012) 12773–12856.
4. Ahmed F.N., Modified Spiegler-Kedem model to predict the rejection and flux of nanofiltration processes at high NaCl copncentrations, MSc Thesis, Department of Civil Engineering, University of Ottawa, Canada, 2013.
5. Borwankar A.U., A.K. Dinin, J.R. Laber, A. Twu, B.K. Wilson, J.A. Maynard, T.M. Truskett, K.P. Johnston, Tunable equilibrium nanocluster dispersions at high protein concentrations, Soft Matter 9(6) (2013) 1766–1771.

6. Deng M., Impact of gypsum supersaturated solution on the flotation of sphalerite, PhD Thesis, Department of Chemical and Materials Engineering, Edmonton, Canada, 2013.
7. Deng M., Q. Liu, Z. Xu, Impact of gypsum supersaturated solution on surface properties of silica and sphalerite minerals, Minerals Enginnering 46–47 (2013) 6–15.
8. Inoue K., H. Kurebayashi, M. Hama, Y. Kobayashi, Y. Yasuda, T. Morita, Fabrication of transparent self-supporting films by homogeneous precipitation process, Journal of the Ceramic Society of Japan 121(1414) (2013) 494–497.
9. Kilpatrick J.I., S.-H. Loh, S.P. Jarvis, Directly probing the effects of ions on hydration forces at interfaces, Journal of the American Chemical Society 135(7) (2013) 2628–2634.
10. Borwankar A.U., Formation of nanostructures and weakening of interaction between proteins to design low viscosity dispersions at high concentrations, PhD Thesis, Univesity of Texas, 2014.
11. Slavchov R.I., T. Nomura, B. Martinac, M. Sokabe, F. Sachs, Gigaseal mechanics: Creep of the gigaseal under the action of pressure, adhesion, and voltage, Journal of Physical Chemistry B 118(44) (2014) 12660–12672.
12. Guixiang W., Unfluence of the surfactant on the coupling force between the object surface and particles, Metallurgical and Mining Industry 8 (2015) 289–295.
13. Kedracki D., DNA-copolymers structure formation: beyond self-assembly, PhD Thesis, Jeneve University, 2015.
14. Van der Linden M., B.Q. Contchuir, E. Spigone, A. Niranjan, A. Zaccone, P. Cicuta, Microscopic origin of the Hoftmeister effect in gelation kinetics of colloidal silica, Journal of Physical Chemistry Letters 6(15) (2015) 2881–2887.
15. Wu G., Influence of the surfactants on the coupling force between the object surface and the particles, Mettalurgical and Mining Industry 7 (2015) 289–295.
16. Zhang L., A. Mikhailovskay, P. Yazhgur, F. Muller, F. Cousin, D. Langevin, Wang N., Salonen A., Precipitating sodium dodecyl sulfate to create ultrastable and stimulable foams, Angewandte Chemie – International Edition 54(33) (2015) 9533–9536.
17. Kedracki D., J.N. Abraham, E. Prado, C. Nardin, Self-assembly of biohybrid polymers, in: Macromolecular Self-Assembly, Ch. 7, Wiley, 2016.
18. Zhang L., The study of phase separation in the miscibility gap and ion specific effects onn the aggregation of soft matter systems, PhD Thesis, Universite Paris, 2016.
19. Радулова Г.М., Повърхностна реология на адсорбционни слоеве от протеина хидрофобин и отногови смеси с други протеини: експеримент и теоретичен модел, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2016.
20. Azadzadeh Shahir A., D. Arabadzieva, H. Petkova, S.I. Karakashev, A.V. Nguyen, E. Mileva, Effect of under-monolayer adsorption on foamability, rheological characteristics, and dynamic behavior of fluid interfaces: Experimental evidence for the Guggenheim extended interface model, Journal of Physical Chemistry C 121(21) (2017) 11472–11487.
21. Hofmann M.J., H. Motschmann, A parameter predict ing the foam stability of mixtures of aqueous ionic amphiphile solutions with indifferent electrolyte, Colloids Surfcases A 529 (2017) 1024–1029.
22. Miao R., L. Wang, D. Deng, S. Li, J. Wang, T. Liu, M. Zhu, Y. Lv, Evaluating the effects of sodium and magnesium on the interaction processes of humic acid and ultrafiltration membrane surfaces, Journal of Membrane Science 526 (2017) 131–137.
23. Miao R., L. Wang, M. Zhu, D. Deng, S. Li, J. Wang, T. Liu, Y. Lv, Effect of hydration forces on protein fouling of ultrafiltration membranes: The role of protein charge, hydrated ion species, and membrane hydrophilicity. Environmental Science and Technology 51(1) (2017) 167–174.
24. Hofmann M.J., Studies of ionic surfactant systems using surface rheology with a focus on the oscillating bubble technique, PhD Thesis, Regensburg University, Germany, 2018.
25. Jafari D.S.S., L.A. James, Y. Zhang, Insight into the stability of hydrophilic silica nanoparticles in seawater for Enhanced oil recovery implications, Fuel 216 (2018) 559–571.
26. Shahir A.A., K. Khristov, K.T. Nguyen, A.V. Nguyen, E. Mileva, Combined sum frequency generation and thin liquid film study of the specific effect of monovalent cations on the interfacial water structure, Langmuir 34 (2018) 6844–6855.
27. Lin W., J. Klein, Control of surface forces through hydrated boundary layers, Current Opinion in Colloid and Interface Science 44 (2019) 94–106.
28. Slabu I., M. Liebl, F. Wiekhorst, D. Eberbeck, Magnetic relaxation of magnetic nanoparticles under the influence of shear flow, Journal of Physics D 51(20) (2019) Art. No. 205002.
29. Bacille N., T. Zinn, G.P. Laurent, G.B. Messaud, V. Cristiglio, F.M. Fernandes, Unveiling the interstitial pressure between growing ise crystals during ice-templating using a lipid lamellar probe, Journal of Physical Chemistry Letters 11 (2020) 1989–1997.
30. Bacille N., V. Cristiglio, Primary and secondary hydration forces between interdigitated membranes composed of Bolaform microbial glucolipids, Langmuir 36(9) (2020) 2191–2198.

31. Li H., W. Xu, F. Jia, S. Song, Y, Nahmad, Correlation between surface charge and hydration on mineral surfaces in aqueous solutions: A critical review, International Journal of Minerals, Metallurgy and Materials 27 (2020) 857–871.
32. Vera R.E., F. Salazar-Rodriquez, R. Marquez, A.M. Forgiarini, How the influence of different salts on interfacial properties of surfactant–oil–water systems at optimum formulation matches the Hofmeister series ranking, Journal of Surfactants and Detergents 23 (2020) 603–615.

156 K.D. Danov, E.S. Basheva, P.A. Kralchevsky, P. Ananthapadmanabhan, A. Lips, The metastable states of foam films containing electrically charged micelles or particles: Experiment and quantitative interpretation, Advances in Colloid and Interface Science 168 (2011) 50–70. (**Citations: 28**)

1. Emile J., F. Casanova, G. Loas, Emile O., Swelling of a foam lamella in a confined chanel, Soft Matter 8(27) (2012) 3223–3227.
2. Emile J., M.H.V. Werts, F. Artzner, F, Casanova, Emile O., J.R.G. Navarro, F. Meneau, Foam films in the presence of functionalized gold nanoparticles, J. Colloid Interface Sci. 383(1) (2012) 124–129.
3. Gabrielli R., G. Loglio, P. Pandolfini, A. Fabbri, M. Simoncini, V.I. Kovalchuk, B.A. Noskov, A.V. Makievski, J. Kragel, R. Miller, F. Ravera, L. Liggieri, Spherical cap-shape emulsion films: thickness evaluation at the nanoscale level by the optical evanescent wave effect, Colloid Surfaces A 413 (2012) 101–107.
4. Kroflic A., B. Sarac, M. Bester-Rogac, What affects the degree of micelle ionization: conductivity study of alkyltrimethylammonium chlorides, Acta Chimica Slovenica 59(3) (2012) 564–570.
5. Emile J., O. Emile, A. Ghoufi, A. Moreac, F. Casanova, M. Ding, P. Houizot, Giant optical activity of sugar in thin soap films, J. Colloid Interface Sci. 408(1) (2013) 113–116.
6. Emile J., O. Emile, F. Casanova, Light guiding properties of soap films, EPL 101(3) (2013) Art. No. 34005.
7. Emile J., O. Emile, Mapping of the Marangoni effect in soap films using Young's double split experiment, EPL 104(1) (2013) Art. No. 14001.
8. Kozak O., K.K.R. Datta, M. Greplova, V. Ranc, J. Kaslik, R. Zboril, Surfactant-derived amphiphilic carbon dots tunable photoluminescence, Journa of Physical Chemistry C 117(47) (2013) 24991–24996.
9. Lin S.-Y., W.-F. Chen, M.-T. Cheng, Q. Li, Investigation of factors that affect cationic surfactant loading on activated carbon and perchlorate adsorption, Colloid and Surfaces A 434 (2013) 236–242.
10. Briscoe W.H., Depletion forces between particles immersed in nanofluids, Current Oppinion in Colloid and Interface Science 20(1) (2015) 46–53.
11. Fewkes C.J., R.F. Tabor, R.R. Dagastine, Sphere to rod transitions in self assembled systems probed using direct force measurements, Soft Matter 11(7) (2015) 1303–1314.
12. Zhang Y., V. Sharma, Domain expansion dynamics in stratifying foam films: Experiments, Soft Matter 11(22) (2015) 4408–4417.
13. Zhang Y. S. Yilixiati, C. Pearsall, V. Sharma, Nanoscopic terraces, mesas, and ridges in freely standing thin films sculpted by supramolecular oscillatory surface forces, ACS Nano 10(4) (2016) 4678–4683.
14. Samal K., C. Das, K. Mohanty, Eco-friendly biosurfactant saponin for the solubilization of cationic and anionic dyes in aqueous systems, Dyes and Pygments 140 (2017) 100–108.
15. Movchan T.G., A.I. Rusanov, E.V. Plotnikova, Calculation aspects of diffusion coeficients in micellar solutions of ionic surfactants, Colloid Journal 80(6) (2018) 660–666.
16. Yilixiati S., R. Rafig, Y. Zhang, V. Sharma, Influence of salt on supramolecular structural forces and stratification in micellar freestanding films, ACS Nano 12(2) (2018) 1050–1061.
17. Ginot G., R. Hohler, S. Mariot, A. Kraynik, W. Drenckhan, Juggling bubbles in square capillaries: An experimental proof of non-pairwise bubble interactions, Soft Matter 15(22) (2019) 4570–4582.
18. Kadiya K., S. Ghosh, Conversion of viscous oil-in-water ananoemulsions to viscoelastic grls upon removal of excess ionic emulsifier, Langmuir 35 (2019) 17061–17074.
19. Ludwig M., M.U. Witt, R. von Klitzing, Briging the gap between two different scaling laws for structuring of liquids under geometrical confinement, Advances in Colloid and Interface Science 269 (2019) 270–276.
20. Xiang W., N. Preisig, A. Ketola, B.L. Tardy, L. Bai, J.A. Ketoja, C. Stubenrauch, O.J. Rojas, How cellulose nanofibers affect bulk, surface, and foam properties of anionic surfactant solutions, Biomacromolecules 20 (2019) 4361–4369.
21. Yilixitiati S., E. Wojcik, Y. Zhang, V. Sharma, Spinodal stratification in ultrathin micellar foam films, Molecular Systems Design amd Engineering 4(3) (2019) 626–638.
22. Zueva O.S., Modified method of conductometer data analysis to calculate the degree of ionization amd conductivity of micelles, E3S Web of Conferences 124 (2019) Art. No. 03008.
23. Zueva O.S., V.S. Rukhlov, E.V. Gazeeva, Y.K. Mongush, Mathematical modeling of surfactant self-organization in water solution in the presence of carbon nanotubes, IOP Conference Series: Earth and Environmental Science 288 (2019) Art. No. 012059.

24. Ludwig M., R. von Klitzing, Recent progress in measurements of oscillatory forces and liquid properties under confinement, Current Opinion in Colloid and Interface Science 47 (2020) 137–152.
25. Yada L., H. Shimosegava, H. Fujita, M. Yamada, Y. Matsue, T. Yoshimura, Microstructural characterization of foam formed by a hydroxy group-containing amino acid surfactant using small-angle neutron scattering, Langmuir 36 (2020) 7808–7813.
26. Ludwig M., R. von Klitzing, Untangling superposed double layer and structural forces across confined nanoparticle suspensions, Physical Chemistry Chemical Pyshics 23 (2021) 1325–1334.
27. Andrieux S., P. Muller, M. Kaushal, N.S. Macias Vera, R. Bollache, C. Honorez, A. Cagna, W. Drenckhan, Microfludic thin film pressure balance for the study of complex thin films, Lab on a Chip 21 (2021) 412–420.
28. Rondepierre G., F. Lequeux, E. Verneuil, N. Passade-Boupat, L. Talini, spinodal stratification in micellar films between oil and silica, Physical Review E 103 (2021) Art. No. 052801.

155 E.S. Basheva, P.A. Kralchevsky, K.D. Danov, S.D. Stoyanov, T.B.J. Blijdenstein, E.G. Pelan, A. Lips, Self-assembled bilayers from the protein HFBII hydrophobin: nature of the adhesion energy, Langmuir 27 (2011) 4481–4488. (**Citations: 38**)

1. Reger M.H., Unique emulsions based on recombinant hydrophobins, PhD Thesis, Bayreuth University, 2011.
2. Zhang X.L., J. Penfold, R.K. Thomas, I.M. Tucker, J.T. Petkov, J. Bent, A. Cox, Adsorption behavior of hydrophobin and hydrophobin/surfactant mixtures at the solid-solution interface, Langmuir 27(17) (2011) 10464–10474.
3. Zhang X.L., J. Penfold, R.K. Thomas, I.M. Tucker, J.T. Petkov, J. Bent, A. Cox, I. Grillo, Self-assembly of hydrophobin and hydrophobin/surfactant mixtures in aqueous solution, Langmuir 27(17) (2011) 10514–10522.
4. Zhang X.L., J. Penfold, R.K. Thomas, I.M. Tucker, J.T. Petkov, J. Bent, A. Cox, R.A. Campbell, Adsorption behavior of hydrophobin and hydrophobin/surfactant mixtures at the air/water interface, Langmuir 27(18) (2011) 11316–11323.
5. Bimbo L., Biocompatibility and biofunctionalization of mesoporous silicon particles, PhD Thesis, University of Helsinki, Faculty of Pharmacy, Division of Pharmaceutical Technology, 2012.
6. Hoffmann H., Structure formation in surfactant solutions: a personal view of 35 years of research in surfactant science, Adv. Colloid Interface Sci. 178 (2012) 21–23.
7. Houmadi S., R.D. Rodriguez, S. Longobardi, P. Giardina, M.C. Faurei, M. Giocondo, E. Lacaze, Self-assembly of hydrophobin protein rodlets studied with atomic force spectroscopy in dynamic mode, Langmuir 28(5) (2012) 2551–2557.
8. Niu B., D. Wang, Y. Yang, H. Xu, M. Qiao, Heterologous expression and characterization of the hydrophobin HFBI in Pichia pastoris and evaluation of its contribution to the food industry, Amino Acids, 43(2) (2012) 763–771.
9. Niu B., J. Huang, S. Zhang, D. Wang, H. Xu, D. Kong, M. Qiau, Expression and characterizaition of hydrophobin HGFI fused with the cell-specific peptide TPS in Pichia pastoris, Protein Expression and Purification 83(1) (2012) 92–97.
10. Reger M., H. Hoffmann, Hydrophobin coated boehmite nanoparticles stabilizing oil in water emulsions, J. Colloid Interface Sci. 368(1) (2012) 378–386.
11. Reger M., T. Sekine, H. Hoffmann, Boosting the stability of protein emulsions by the synergistic use of proteins and clays, Colloid and Polymer Science 290(7) (2012) 631–640.
12. Green A.J., K.S. Littlejohn, P. Hooley, P.W. Cox, Formation and stability of food foams and aerated emulsions: hydrphobins as novel functional ingredients, Current Opinion in Colloid and Interface Science 18(4) (2013) 292–301.
13. Burke J., Cox A., Petkov J., Murray B.S., Interfacial rheology and stability of air bubbles stabilized by mixtures of hydrophobin and β–casein, Food Hydrocolloids 34 (2014) 119–127.
14. Gochev G., I. Retzlaff, D. Exerowa, R. Miller, Electrostatic stabilization of foam films from β-lactoglobulin solutions, Colloid Surfaces A 460 (2014) 272–279.
15. Hoffmann H., M. Reger, Emulsions with unique properties from proteins as emulsifier, Adv. Colloid Interface Sci. 205 (2014) 94–104.
16. Niu B., Y. Gong, X. Gao, H. Xu, M. Qiao, W. Li, The functional role of Cys3-Cys4 loop in hydrophobin HGFI, Amino Acids 46(11) (2014) 2615–2625.
17. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, P. Li, A.R. Cox, N, Hedges, J.R.P. Webster, Spontaneous surface self-assembly in protein-surfactant mixtures: Interactions between hydrophobin and ethoxylated polysorbate surfactants, Journal of Physial Chemistry B 118(18) (2014) 4867–4875.
18. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2014.

19. Gravagnuolo A.M., E. Morales-Narvaiez, C.R.S. Longobardi, P. Glardina, A. Merkoci, On-the-spot immobilization of quantum dots, graphene oxide, and proteins via hydrophobins, Advanced Functional Materials 25(38) (2015) 6084–6092.
20. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
21. Li W., Y. Gong, H. Xu, M. Qiao, B. Niu, Identification properties of a recombinant class I hydrophobin rHGFI, Interbational Journal of Biological Macromolecules 72 (2015) 658–663.
22. Riveros D.G., Shokribousjein Z., Losada-Perez P., Khalesi M.R., Cordova K., Michiels C., Delcour J.A., Verachtert H. Wagner P., Derdelinckx G., Comparison of structure, sequence, physical interactions and its effects on primary gushing among several class II hydrophobins, Brewing Science 68(3-4) (2015) 38–45.
23. Todorov R., Thin liquid films in biomedical studies, Current Oppinion in Colloid and Interface Science 20(2) (2015) 130–138.
24. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, A.R. Cox, N. Hedges, Adsorption of hydrophobin-protein mixtures at the air-water interface: The impact of pH and electrolyte, Langmuir 31(36) (2015) 10008–10016.
25. Khalesi M., R. Jahanbani, D. Riveros-Galan, V. Sheikh-Hassani, M. Sheikh-Zeinoddin, M. Sahihi, J. Winterburn, G. Derdelinckx, A.A. Moosavi-Movahedi, Antioxidant activity and ACE-inhibitory of Class II hydrophobin from wild strain Trichoderma reesei, International Journal of Biological Macromolecules 91 (2016) 174–179.
26. Schor M., J.L. Reid, C.E. MacPhee, N.R. Stanley-Wall, The diverse structures and functions of surfactant proteins, Trends in Biochemical Sceinces 41(7) (2016) 610–620.
27. Tucker I.M., J.T. Petkov, J. Penfold, R.K. Thomas, A.R. Cox, N. Hedges, Adsorption of hydrophobin/β-casein mixtures at the solid-liquid interface, Journal of Colloid and Interface Science 478 (2016) 81–87.
28. Радулова Г.М., Повърхностна реология на адсорбционни слоеве от протеина хидрофобин и от негови смеси с други протеини: експеримент и теоретичен модел, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2016.
29. Garakani T.M., M.J. Richter, A. Boker, Controlling the bio-inspired synthesis of silica, Journal of Colloid and Interface Science 488 (2017) 322334.
30. Hahl H., J.N. Vargas, A. Griffo, P. Laaksonen, G. Szilvey, M. Lienemann, K. Jacobs, Pore protein bilayers and vesicles from native fungal hydrophobins, Advanced Materials 29(1) (2017) Art. No. 1602888.
31. Niu B., B. Li, H. Wang, R. Guo, H. Xu, M. Qiao, W. Li, Investigation of the relationship between the rodlet formation and Cys3–Cys4 loop of the HGFI hydrophobin, Colloids and Surfaces B 150 (2017) 344–351.
32. Nussinovitch A., Electrostatic adhesion in Foods, in: Nussinovitch A., Adhesion in Foods: Fundamental Principles and Applications, John Wiley & Sons, 2017, Ch. 7.
33. Hahl H., J.N. Vargas, M. Jung, A. Griffo, P. Laaksonen, M. Lienemann, K. Jacobs, R. Seemann, J.-N. Fleury, Adhesion properties of freestanding hydrophobin bilayers, Langmuir 34 (2018) 8542–8549.
34. Mancipe N.C., Design and production of high-performance hydrophobin surfactant proteins using a dual-domain fusion strategy, PhD Thesis, Minnesota University, 2019.
35. Oliveira C.M., F.H. Havier-Jr., A.R.D.V. Morais, I.L.Lima. R.A. Silva, A.E.G. Nascimento, N.K. Araujo, M.C.D.B.L. Nogueira, A.A. Silva-Jr., M.D.F.F. Pedrosa, E.S.T. Egito, Hydrophobin-stabilized nanoemulsion produced by a low-energy emulsification process: A promising carrier for nutraceuticals, Food Hydrocolloids 89 (2019) 749–757.
36. Tsibranska S., A. Ivanova, S. Tcholakova, N. Denkov, Structure of dense adsorption layers of Escin at the air-water interface studied by molecular dynamics simulations, Langmuir 35 (2019) 12876–12887.
37. Gochev G.G., V. Ulaganathan, I. Retzlaff, C. Gehin-Delval, D.Z. Gunes, M. Leser, U. Kulozik, R. Miller, B. Brownschweig, β-lactoglobulin adsorption layers at the water/air surface: 4. Impact on the stability of foam films and foams, Materials 10 (2020) Art. No. 636.
38. Kwon K.Y., V.K. Truong, F. Krisnadi, S. Im, J. Ma, N. Mehrabian, T. Kim, M.D. Dickey, Surface modification of galium-based liquid metals: Mechanisms and applications in biomedical sensors and soft actuators, Advanced Intelligent Systems (2020) Art. No. 2000159.

154 E.S. Basheva, P.A. Kralchevsky, N.C. Christov, K.D. Danov, S.D. Stoyanov, T.B.J. Blijdenstein, H.–J. Kim, E.G. Pelan, A. Lips, Unique properties of bubbles and foam films stabilized by HFBII hydrophobin, Langmuir 27 (2011) 2382–2392. (**Citations: 61**)

1. Reger M., T. Sekine, T, Okamoto, K. Watanabe, H. Hoffman, Pickering emulsions stabilized by novel clay-hydrophobin synergism, Soft Matter 7(22) (2011) 11021–11030.
2. Erni P., H.A. Jerri, K. Wong, A. Parker, Interfacial viscoelasticity controls buckling, wrinkling and arrest in emulsion drops undergoing mass transfer, Soft Matter 8(26) (2012) 2958–2967.
3. Golding M., Interfacial phenomena in sturctured food, Food Materials Science and Enginnering (2012) 94–135.

4. Imperiali L., K.-H. Liao, C. Clasen, J. Fransaer, C.W. MacOsko, J. Vermant, Interfacial rheology and structure of tiled graphene oxide sheets, Langmuir 28(21) (2012) 7990–8000.
5. Khalesi M., S.M. Deckers, K. Gebruers, L. Vissers, H. Verachtert, C. Derdelinckx, Hydropphobins: exceptional proteins for many applications in brewery environment and other bio-industries, Cerevisia 37(1) (2012) 3–9.
6. Loget G., A. Kuhn, Bulk synthesis of Janus objects and asymmetric patchy particles, Journal of Materials Chemistry 22(31) (2012) 15457−15474.
7. Reger M., H. Hoffmann, Hydrophobin coated boehmite nanoparticles stabilizing oil in water emulsions, J. Colloid Interface Sci. 368(1) (2012) 378−386.
8. Wang L., X. Qiao, K. Sun, Advance in the investigations of the interfacial rheologycal behaviors of protein films, Chemisry Bulletin 75(3) (2012) 195–201.
9. Balashev K., Atomic force microscopy (AFM) with applications spanning from nanoscale (bio)catalysis and characterization of molecularly ordered nanostructures to molecular biology, DSc Thesis, Sofia University, 2013.
10. Deckers S., Modeling and biophysical characterization of the primary gushing mechanism in beer, PhD Thesis, KU Leuven, The Holland, 2013.
11. Du X., L. Zhao, H. Chen, W. Qu, Z. Lei, Y. Li, S. Li, Synthesis and properties of multilayered films foams, Colloids and Surfaces A 436 (2013) 599−603.
12. Gerasimova A., J.K. Angarska, K.D. Tachev, G.P. Yampolskaya, Drainage and critical thickness of foam films from mixed solutions of bovine serum albumin and n-dodecyl-β-D-maltose, Colloid Surfaces A 438 (2013) 4–12.
13. Knoche S., D. Vella, E. Aumaitre, P. Degen, H. Rehage, P. Cicuta, J. Kierfeld, Elastometry of deflated capsules: elastic moduli from shape amd wrinkle analysis, Langmuir 29(40) (2013) 12463–12471.
14. Krivosheeva O., A. Deidinaitei, M.B. Linder, R.D. Tilton, P.M. Claesson, Kinetic and equilibrium aspects of adsorption and desorption of class II hydrophobins HFBI and HFBII at silicon oxinitride/water and air/water interfaces, Langmuir 29(8) (2013) 2683−2691.
15. Mezzenga R., P. Fischer, The self-assembly, aggregation, and phase transitions of food protein systems in one, two, and three dimensions, Reports on Progress in Physics 76(4) (2013) Art. No. 046601.
16. Van Hooghten R., L. Imperiali, V. Boeckx, R. Sharma, J. Vermant, Rough nanoparticles at the air-water interfaces: their structure, rheology and applications, Soft Matter 9(45) (2013) 10791−10798.
17. Walther A., A.H.E. Muller, Janus particles: synthesis, self-assembly, physical properties, and applications, Chemical Reviews 113 (2013) 5194–5261.
18. Wang Y., C. Bouillon, A. Cox, E. Dickinson, K. Durga, B.S. Murray, R. Xu, Interfacial study of class II hydrophobin amd its mixtures with milk proteins: relationship to bubble stability, Journal of Agricultural and Food Chemistry 61(7) (2013) 1554–1562.
19. Burke J., Cox A., Petkov J., Murray B.S., Interfacial rheology and stability of air bubbles stabilized by mixtures of hydrophobin and β–casein, Food Hydrocolloids 34 (2014) 119−127.
20. Gochev G., I. Retzlaff, D. Exerowa, R. Miller, Electrostatic stabilization of foam films from β-lactoglobulin solutions, Colloid Surfaces A 460 (2014) 272–279.
21. Hoffmann H., M. Reger, Emulsions with unique properties from proteins as emulsifier, Adv. Colloid Interface Sci. 205 (2014) 94−104.
22. Knoche S., Instabilities and shape analyses of elastic shells, PhD Thesis, TU Dortmund University, 2014.
23. Kovalenko A., P. Polavarapu, J.-L. Gallani, G. Pourroy, G. Waton, M.P. Krafft, Super-elastic air/water interfacial films self-assembled from soluble surfactants, ChemPhysChem 15(12) (2014) 2440−2444.
24. Li T., M. Kalloudis, A.Z. Cardoso, D.J. Adams, P.S. Clegg, Drop-casting hydrogels at a liquid interface: The case of hydrophobic dipeptides, Langmuir 30(46) (2014) 13854−13860.
25. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2014.
26. Dickinson E., Colloids in food: ingredients, structure, and stability, Annula Review of Food Science and Technology 6 (2015) 211−233.
27. Khalesi M., K. Gebruers, G. Derdelincka, Recent afvances in fungal hydrophobin towards using in industry, Protein Journal 34(4) (2015) 243–255.
28. Knoche S., J. Kierfeld, Elasticity of interfacial rafts of hard particles with soft shells, Langmuir 31(19) (2015) 5364–5376.
29. Meinders M.B.J., R.G.M. Van der Sman, Modeling foam stability, Computational Methods for Complex Liquid-Fluid Interfaces (2015) 503–528.
30. Riveros D.G., Shokribousjein Z., Losada-Perez P., Khalesi M.R., Cordova K., Michiels C., Delcour J.A., Verachtert H. Wagner P., Derdelinckx G., Comparison of structure, sequence, physical interactions and its effects on primary gushing among several class II hydrophobins, Brewing Science 68(3-4) (2015) 38–45.

31. Todorov R., Thin liquid films in biomedical studies, Current Oppinion in Colloid and Interface Science 20(2) (2015) 130–138.
32. Chung C., G. Smith, B. Degner, D.J. McClements, Reduced fat food emulsions: physicochemical, sensory, and biological aspects, Critical Reviews in Food Science and Nutrition 56(4) (2016) 650–685.
33. Dickinson E., Exploring the frontiers of colloidal behavior where polymers and particles meet, Food Hydrocolloids 52 (2016) 497–509.
34. Gazzera L., R. Milani, L. Pirrie, M. Schmutz, C. Blank, G. Resnati, P. Metrangolo, M.P. Krafft, Design of highly stable echogenic microbubbles through controlled assembly of their hydrophobin shell, Angewantdte Chemie 128(35) (2016) 10419–10423.
35. Gruner L.J., L.Bahrig, K. Ostermann, S.G. Hickey, A. Eychmuller, G. Rodel, Excitable oil droplet – Fret across a liquid-liqiud phase boundary, Chemistry Select 1(13) (2016) 4062–4067.
36. Khalesi M., R. Jahanbani, D. Riveros-Galan, V. Sheikh-Hassani, M. Sheikh-Zeinoddin, M. Sahihi, J. Winterburn, G. Derdelinckx, A.A. Moosavi-Movahedi, Antioxidant activity and ACE-inhibitory of Class II hydrophobin from wild strain Trichoderma reesei, International Journal of Biological Macromolecules 91 (2016) 174–179.
37. Kirbi S.M., X. Zhang, P.S. Russo, S. Anna, L.M. Walker, Formation of a rigid hydrophobin film and disruption by an anionic surfactant at an air/water interface, Langmuir 32(22) (2016) 5542–5551.
38. Moriss R.J., K.M. Bromley, N. Stanley-Wall, C.E. MacPhee, A phenomenological description of BsIA assemblies across multiple length scales, Philosophical Transactions of the Royal Society A 374(2072) (2016) Art, No. 20150131.
39. Радулова Г.М., Повърхностна реология на адсорбционни слоеве от протеина хидрофобин и от негови смеси с други протеини: експеримент и теоретичен модел, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2016.
40. Bromley K.M., C.E. Macphee, BslA-stabilized emulsion droplets with designed microstructure, Interface Focus 7(4) (2017) 8.
41. Gerasimova A.T., J.K. Angarska, K.D. Tachev, Evolutions and equilibrium parameters of foam films from individual solutions of Bovine serum albumin, n-dodecyl-b-D-maltoside and form their mixed solutions, Acta Scientifica Naturalis 4(1) (2017) 19–28.
42. Gunes D.Z., M. Murith, J. Godefroid, C. Pelloux, H. Deyber, O. Schafer, O. Breton, Oleofoams: Properties of crystal-coated bubbles from wipped oleogels – evidence for Pickering stabilization, Langmuir 33(6) (2017) 1563–1575.
43. Kaufmann G., W. Liu, D.M. Williams, Y. Choo, M. Gopinadhan, N. Samudrala, E.C.Y. Yan, L. Regan, C.O. Osuji, Flat drops, elastic sheets, and microcapsules by interfacial assembly of a bacterial biofilm protein, BslA, Langmuir 33(47) (2017) 13590–13507.
44. Paukkonen H., A. Ukkonen, G. Szilvay, M. Yliperttula, T. Laaksonen, Hydrophobin-nanofibrillated cellulose stabilized emulsions for encapsulation and release of BCS class II drugs, European Journal of Pharmaceutical Sciences 100 (2017) 238–248.
45. Przylucka A., G.B. Akcapinar, K. Bonazza, T.M. Melo-de-Sousa, A.R. Mach-Aigner, V. Lobanov, H. Grothe, C.P. Cubicek, E. Reimhult, I.S. Druzhinina, Comparative phisiochemical analysis of hydrophobin produced in escherichia coli and pichia pastoris, Colloid and Surfaces B 159 (2017) 913–923.
46. Przylucka A., G.B. Akcapinar, K. Chentamara, F. Cai, M. Grujic, J. Karpenko, M. Livoi, Q. Shen, C.P. Cubicek, I.S. Druzhinina, HFB7 – A novel orphan hydrophobin of the Harzianum and Virens clades of Trichoderma, is involved in response to biotic and abiotic stresses, Fungal Genetics and Biology 102 (2017) 63–76.
47. Li B., X. Wang, Y. Li, A. Paananen, G.R. Szilvay, M. Qin, W. Wang, Y. Cao, Single-molecule force spectroscopy reveals self-assembly enhanced surface binding of Hydrophobins, Chemistry – A European Journal 24 (2018) 9224–9228.
48. Linke C., S. Drusch, Pickering emulsions in foods – opportunities and limitations, Critical Reviews in Food Science and Nutrition 58 (2018) 1971–1985.
49. Linke C., Strategies to increase turbidity in baverage emulsions, PhD Thesis, Technical Universitym Berlin, 2018.
50. Zhang X., S.M. Kirby, Y. Chen, S.L. Anna, L.M. Walker, F.R. Hung, P.S. Russo, Formation and elasticity of membranes of the class II hydrophobin Cerato-ulmin at oil-water interface, Colloids and Surfaces B 164 (2018) 98–106.
51. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
52. Oliveira C.M., F.H. Havier-Jr., A.R.D.V. Morais, I.L.Lima. R.A. Silva, A.E.G. Nascimento, N.K. Araujo, M.C.D.B.L. Nogueira, A.A. Silva-Jr., M.D.F.F. Pedrosa, E.S.T. Egito, Hydrophobin-stabilized nanoemulsion

produced by a low-energy emulsification process: A promising carrier for nutraceuticals, Food Hydrocolloids 89 (2019) 748–757.

53. Tsibranska S., A. Ivanova, S. Tcholakova, N. Denkov, Structure of dense adsorption layers of Escin at the air-water interface studied by molecular dynamics simulations, Langmuir 35 (2019) 12876–12887.
54. Ulaganathan V., L. del Castillo, J.L. Weber, T.T.M. Ho, J.K. Ferri, M. Krasowska, D.A. Beattie, The influence of pH on the interfacial behavior of Quillaja nark saponin at the air-solution interface, Colloids and Surfaces A 176 (2019) 412–419.
55. Zhang X., B. Blalock, W. Huberty, Y. Chen, F. Hung, P.S. Russo, Microbubbles and oil droplets stabilized by a class II Hydrophobin in marinelike environments, Langmuir 35 (2019) 4380–4386.
56. Cheng Y., B. Wang, Y. Wang, H. Zhang, C. Liu, L. Yang, Z.Chen, Y. Wang, H. Yang, Z. Wang, Soluble hydrophobin mutants produced in Escherichia coli can self-assemble at various interfaces. Journal of Colloid and Interface Science 573 (2020) 384–395.
57. Dokouhaki M., E.L. Prime, G.G. Qiao, S. Kasapis, L. Day, S.L. Gras, Structural-rheological characteristics of Chaplin E peptide at the air/water interface; a comparison with β-lactoglobulin and β-casein, International Journal of Biological Macromolecules 144 (2020) 742–750.
58. Mamashli F., B. Goliaei, A.A. Moosavi-Movahedi, G. Derdelinckx, M. Khalesi, Class ii hydrophobin hfbii: A potential carrier for antitumor agents, Current Bioactive Compounds 16 (2020) 83–86.
59. Patel A.R., Functional and engineering colloids from edible materials for emerging applications in designing the food of the future, Advanced Functional Materials 30 (2020) Art. No. 1806809.
60. Saha S., R. Saint-Michel, V. Leines, B. Binks, V. Garbin, Stability of bubbles in wax-based oleofoams: Decouplibg the effects of bulk oleogel rheology and interfacial rheology, Rheologica Acta 59 (2020) 255–266.
61. Landeta-Salgado C., P. Cicatiello, M.E. Lienqueo, Mycoprotein and hydrophobin like protein produced from marine fungi *Paradendryphiella salina* in submerged fermentation with green seaweed *Ulva* spp. Algal Research 56 (2021) Art. No. 102314.

153 P.A. Kralchevsky, K.D. Danov, Interaction between particles at a fluid interface. In: Nanoscience. Colloidal and Interfacial Aspects, V.M. Starov, Ed., CRC Press, Boca Raton, 2010, Ch. 15, 397–436. (**Citations: 9**)

1. Klein M.J.K., Wafer-scale fabrication of thin SiN membranes and Au films with arrays of sub-um holes using nansphere lithography, PhD Thesis, Lausane EPFL, 2010.
2. Zhang L., Drying dynamics of sessile droplets on substrates of different wettabilities, PhD Thesis, Derpartment of Chemistry, South Hadley, Massachusetts, 2012.
3. Ershov D., J. Sprakel, J. Appel, M.A. Cohen Stuart, J. van der Gucht, Capillary-induced ordering of spherical colloids on an interface with anisotropic curvature, PNAS 110(23) (2013) 9220–9224.
4. Maestro A., Guzman E., Ortega F., Rubio R.G., Contact angle of micro- and nanoparticles at fluid interfaces, Current Oppinion in Colloid and Interface Science 19(4) (2014) 355–367.
5. Feng D.-X., A.V. Nguyen, The floatability of single spheres versus their pairs on the water surface, Langmuir 32(51) (2016) 13627–13634.
6. Joshi K., Behaviour of thin colloidal films and fundamental studies of convective deposition, PhD Thesis, Lehigh University, 2017.
7. Gabovich A.M., A.I. Voitenko, Electrostatic interaction near the interface between dielectric media taking into account the nonlocality of the Coulomb field screening, Journal of Molecular Liquids 267 (2018) 166–176.
8. Pardo G.S., A.K. Sarmah, R.P. Orense, Mechanism of improvement of biochar on shear strength amd liquefaction resistance of sand, Geotechnique 69(6) (2019) 471–480.
9. Liu J., S.P. Ganesan, X. Li, A. Garg, A. Singhal, K.D. Dosetti, H. Feng, Dynamics of biochar-silty clay interaction using in-house fabricated cyclic loading apparatus: A case study of coastal clay and novel peach biochar from the Qingdao region of China, Sustainability 12 (2020) Art. No. 2599.

152 K.D. Danov, P.A. Kralchevsky, Interaction between like–charged particles at a liquid interface: Electrostatic repulsion vs. electrocapillary attraction, J. Colloid Interface Sci. 345 (2010) 505–514. (**Citations: 20**)

1. Klein M.J.K., Wafer-scale fabrication of thin SiN membranes and Au films with arrays of sub-um holes using nansphere lithography, PhD Thesis, Lausane EPFL, 2010.
2. Gharbi M.A., M. Nobili, G. Prevod, P. Galatola, J.B. Fournier, C. Blank, Behavior of colloidal particles at a nematic liquid crystal interface, Soft Matter 7(4) (2011) 1467–1471.
3. Ma H., L.L. Dai, Particle self–assembly in ionic liquid–in–water pickering emulsions, Langmuir 27(2) (2011) 508–512.
4. McNamee C.E., S. Yamamoto, H.–J. Butt, K. Higashitani, A straightforward way to form close–packed TiO_2 particle monolayers at an air/water interface, Langmuir 27(3) (2011) 887–894.

5. Millett P.C., Y.U. Wang, Diffuse–interface field approach to modeling arbitrarily–shaped particles at fluid–fluid interfaces, J. Colloid Interface Science 353(1) (2011) 46−51.
6. Shrestha A., K. Bohinkc, S. May, Immersion depth of positively versus negatively charged nanoparticles at the air-water interface: A Poisson-Boltzmann model, Langmuir 28(40) (2012) 14301−14307.
7. Bleibel J., A. Dominguez, M. Oettel, Colloidal particles at fluid interfaces: effective interactions, dynamics, and a gravitational-like instabliity, European Phusical Journal: Special Topics 222(11) (2013) 3071–3087.
8. Leandri J., A. Wurger, Trapping energy of a spherical particle on a curved liquid interface, Journal of Colloid and Interface Science 405 (2013) 249−255.
9. Geisel K., L. Isa, W. Richtering, The compressibility of ph-sensitive microgels at the oil-water interface: higher charge leads to sell repulsion, Angewandte Chemie – International Edition 53(19) (2014) 4905−4909.
10. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2014.
11. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290−13302.
12. Morris G., K. Hadler, J. Cililers, Particles in thin liquid films and at interfaces, Current Oppinion in Colloid and In terface Science 20(2) (2015) 98−104.
13. Silverberg G.J., P. Pearce, C.D. Vecitis, Controlling self-assembly of reduced graphene oxide at the air-water interface: Quantitative evidence for long-range attractive and many-body interactions, ACS Applied Materials and Interfaces 7(6) (2015) 3807−3815.
14. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
15. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
16. Kang D.W., M. Lee, K.H. Kim, M. Xia, S.H. Im, B.J. Park, Electrostatic interactions between particles through heterogeneous fluid phases, Soft Matter 13(37) (2017) 6647–6658.
17. Kuleshova V.L., E.V. Panfilova, E.P. Prohorov, Automated device for vertical deposition of colloidal opal films, RusAutoCon (2018) Art. No. 141326.
18. Lim J.H., J.Y. Kim, D.W. Kang, K.H. Choi, S.J. Lee, S.H. Im, B.J. Park, Heterogeneous capillary interactions of interface-trapped ellipsoid particles using the trap-release method, Langmuir 34(1) (2018) 384–394.
19. Wu L., X. Wang, G. Wang, G. Chen, In situ X-ray scattering observation of two-dimensional interfacial colloidal crystallization, Nature Communications 9(1) (2018) Art. No. 1335.
20. Huang D.E., R.N. Zia, Sticky-probe active microrheology: Part 2. The influence of attractions in non-Newtonian flow, Journal of Colloid and Interface Science 562 (2020) 293−306.

151 K.D. Danov, P.A. Kralchevsky, Capillary forces between particles at a liquid interface: General theoretical approach and interactions between capillary multipoles, Adv. Colloid Interface Sci. 154 (2010) 91–103. (**Citations: 125**)

1. Guzowski J., M. Tasinkevych, S. Dietrich, Free energy of colloidal particles at the surface of sessile drops, European Physical Journal E 33(3) (2010) 219−242.
2. Lewadnowski E.P., M. Cavallaro, L. Botto, J.C. Bernate, V. Garbin, K.J. Stebe, Orientation and self–assembly of cylindrical particles by anisotropic capillary interactions, Langmuir 26(19) (2010) 15142−15154.
3. Tasinkevych M., D. Andrienko, Colloidal particles in liquid crystal films and at interfaces, Condensed Matter Physics 13(3) (2010) Art. 33603.
4. Cavallaro M., L. Botto, E.P. Lewandovski, M. Wang, K.J. Stebe, Curvature-driven capillary migration and assembly of rod-like particles, PNAS 108(52) (2011) 20923−20928.
5. Gharbi M.A., M. Nobili, G. Prevod, P. Galatola, J.B. Fournier, C. Blank, Behavior of colloidal particles at a nematic liquid crystal interface, Soft Matter 7(4) (2011) 1467−1471.
6. Guzowski J., M. Tasinkevych, S. Dietrich, Capillary interactions in Pickering emulsions, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 84(3) (2011) Art. No. 031401.
7. Janjua M., S. Nudurupati, P. Singh, N. Aubry, Electric field–induced self–assembly of micro– and nanoparticles of various shapes at two–fluid interfaces, Electrophoresis 32(5) (2011) 518−526.
8. Millett P.C., Y.U. Wang, Diffuse–interface field approach to modeling arbitrarily–shaped particles at fluid–fluid interfaces, J. Colloid Interface Science 353(1) (2011) 46−51.
9. Morriss G., S.J. Neethling, J.J. Cilliers, A model for investigating the behaviour of non–spherical particles at interfaces, J. Colloid Interface Sci. 354(1) (2011) 380−385.
10. Yunker P.J., T. Still, M.A. Lohr, A.G. Yodh, Suppression of the coffee-ring effect by shape-dependent capillary interactions, Nature 476(7360) (2011) 308−311.
11. Botto L., E.P. Lewandowski, M. Cavalarro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957−9971.

12. Chatterjee N., S. Lapin, M. Fluri, Capillary forces between sediment particles and an air-water interface, Environmental Science and Technology 46(8) (2012) 4411–4418.
13. Chen X.-C., H.-M. Li, F. Fang, Y.-W. Wu, M. Wang, G.-B. Ma, Y.-Q. Ma, D.-J. Shu, E.-W. Peng, Confinement-induced ordering in dewetting and phase separation of polymer blend films, Advanced Materials, 24(19) (2012) 2637–2641.
14. De Graaf J., Anysotropic nanocolloids: self-assembly, interfacial adsorption, and electrostatic screening, PhD Thesis, Utrech University, 2012.
15. Dixit H.N., G.M. Homsy, Capillary effects on floating cylindrical particles, Physics of Fluids 24 (2012) Art. No. 122102.
16. Tsotsalas M., A. Umemura, F. Kim, Y. Sakata, J. Reboul, S. Kitagawa, S. Furukawa, Crystal morphology-directed framework orientation in porous coordinaiton polymer films and freestanding membranes via Langmuir-Blodgettry, Journal of Material Chemistry 22(20) (2012) 10159–10165.
17. Yunker P.J., Coffee-rings and glasses: colloids out of equilibrium, PhD Thesis, University of Pennsylvania, 2012.
18. Yunker P.J., G. Yodh, T. Still, Colloidal shape effects in evaporating drops, Proceedings of the International Scool of Physics “Enrico Fermi” 184 (2012) 447–481.
19. Голинко В.М., И.С. Чекман, А.М. Пузиренко, Н.О. Горчакова, Рол капилярив у протиканни природних нанопроцесив, Теоретична медицина 4 (2012) 5–9.
20. Aramrak S., M. Flury, J.B. Harsh, R.L. Zollars, H.P. Davis, Does colloid shape affect detachment of colloids by a moving air-water interface? Langmuir 29(19) (2013) 5770–5780.
21. Bleibel J., A. Dominguez, M. Oettel, Colloidal particles at fluid interfaces: effective interactions, dynamics, and a gravitational-like instabliity, European Phusical Journal: Special Topics 222(11) (2013) 3071–3087.
22. Chatterjee N., Capillary forces on sediment particles: experimental measurements and theoretical estimates, PhD Thesis, Washington State University, 2013.
23. Chatterjee N., M. Flury, Effect of particle shape on capillary forces acting on particles at the air-water interface, Langmuir 29(25) (2013) 7903–7911.
24. Cheng T.-L., Y.U. Wang, Shape-anisotropic particles at curved fluid interfaces and role of Laplace pressure: a computational study, Journal of Colloid and Interface Sci. 402 (2013) 267–278.
25. Dixit H.N., G.M. Homsy, The elastic Landau-Levich problem, Journal of Fluid Mechanics 732 (2013) 5–28.
26. Fleury B., Nanoparticules, luminescentes d;ivo4 dope lanthanides: Mecanisme de formation et applications en couches minces, PhD Thesis, Ecole Polytechnique, Paris, 2013.
27. Huang X., Y. Liu, X. Zhou, Y. Diao, Formation of oil-soluble uniform anatase titania nanoparticles and their characterization, Colloid and Surfaces A 423 (2013) 115–123.
28. Morgan A.R., N. Ballard, L.A. Rochford, G. Nurumbetov, T.S. Skelhon, S.A.F. Bon, Understanding the multiple orientations of isolated superellipsoidal hematite particles at the oil-water interface, Soft Matter 9(2) (2013) 487–491.
29. Solovev A.A., S. Sanchez, O.G. Schmidt, Collective behavior of self-propelled catalytic micromotors, Nanoscale 5(4) (2013) 1284–1293.
30. Van Hooghten R., L. Imperiali, V. Boeckx, R. Sharma, J. Vermant, Rough nanoparticles at the air-water interfaces: their structure, rheology and applications, Soft Matter 9(45) (2013) 10791–10798.
31. Zang D., Z. Chen, Y. Zhang, K. Lin, X. Geng, B.P. Binks, Effect of particle hydrophobicity on the properties of liquid water marbels, Soft Matter 9(20) (2013) 5067–5073.
32. Aramrak S., M. Fluri, J.B. Harsh, R.I. Zollars, Colloid mobilization and transport during capillary fringe fluctuations, Environmental Science and Technology 48(13) (2014) 7272–7279.
33. Bleibel J., A. Dominguez, M. Oettel, S. Dietrich, Capillary attraction induced collapse of colloidal monolayers at fluid interfaces, Soft Matter 10(23) (2014) 4091–4109.
34. Bolintineanu D.S., G.S. Grest, J.B. Lechman, F. Pierce, S.J. Plimpton, P.R. Shunk, Paricle dynamics modeling methods for colloid suspensions, Comp. Part. Mech. 1 (2014) 321–356.
35. Chokprasombat K., C. Sirisathitkui, P. Rathphonsan, Liquid-air interface self-assembly: A facile method to fabricate long-range nanoparticle monolayers, Surface Science 621 (2014) 162–167.
36. Coertjens S., P. Moldenaers, J. Vermant, L. Isa, Contact angle of microellipsoids at fluid interfaces, Langmuir 30(15) (2014) 4289–4300.
37. Ghosh S.K., A.G. Cherstvy, R. Metzler, Deformation propagation in responsive polymer network films, J. Chemical Physics 141(7) (2014) Art. No. 074903.
38. Pawsey A.C., J.S. Lintuvuori, Colloidal particles at chiral liquid crystal interfaces, Liquid Crystals Today 23(2) (2014) 32–37.
39. Scenev V., Electronic properties of graphene and other carbon-based hybrid materials for flexible electronics, PhD Thesis, Humboldt-Universität zu Berlin, Mathematisch-Naturwissenschaftliche Fakultät, 2014.

40. Schwenke K., Modeling of interface structure and dynamics in nano-composite materials, PhD Thesis, ETH-Zürich, 2014.
41. Soligno G., M. Dijkstra, R. van Roij, The equilibrium shape of fluid-fluid interfaces, The Journal of Chemical Physics 141 (2014) Art. No. 244702.
42. Tang Y., W. He, S. Wang, Z. Tao, L. Cheng, The superiority of silver nanoellipsoids synthesized via a new approach in suppresing the coffee-ring effect during drying and film formation processes, Nanotechnology 26(12) (2014) Art. No. 125602.
43. Cappelli S., Q. Xie, J. Harting, A.M. de Jong, M.W.J. Prins, Dynamic wetting: status and prospective of single particle based experiements and simulations, New Biotechnology 32(5) (2015) 420−432.
44. Cooke I.R., C.J. Lang, L.V. White, S.J. Wakes, S.J. Sowerby, Analysis of menisci formed on cones for single field of view parasite egg microscopy, Journal of Microscopy 257(2) (2015) 133−141.
45. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290−13302.
46. Davis G.B., Modelling colloidal particles adsorbed at fluid-fluid interfaces, PhD Thesis, University College London, 2015.
47. Deshmukh O., D. van den Ende, M.C. Stuart, F. Mugele, M.H.G. Duits, Hard and soft colloids at fluid interfaces: Adsorption, interactions, assembly, and rheology, Advances in Colloid and Interface Science 222 (2015) 215–227.
48. Evdokimov S.I., V.S. Evdokimov, Processing ores and anthropogrnic Cu-Ni feedstock with the application of jet air-stream flotation, Russian Journal of Non-Ferrous Metals 56(3) (2015) 229−234.
49. Lash M.H., M.V. Fedorchak, S.R. Little, J.J. McCarthy, Fabrication and characterization of non-brownian particle-based crystals, Langmuir 31(3) (2015) 898−905.
50. Morris G., K. Hadler, J. Cililers, Particles in thin liquid films and at interfaces, Current Oppinion in Colloid and In terface Science 20(2) (2015) 98−104.
51. Sabapathy M., V. Kollabattula, M.G. Basavaraj, E. Mani, Visualization of the equilibrium position of colloidal particles at fluid-water interfaces by deposition of nanoparticles, Nanoscale 7(33) (2015) 13868–13876.
52. Sarikhani K., K. Jeddi, R.B. Thomson, C.B. Park, P. Chen, Adsorption of surface modified silica nanoparticles to the interface of melt poly(lactic acid) and supercritical carbon dioxide, Langmuir 31(20) (2015) 5571−5579.
53. Tiwari B., D. Zhang, D. Winslow, C.H. Lee, B. Hao, Y.K. Yap, A simple and universal technique to extract one- and two-dimensional nanomaterials from contaminated water, ACS Applied Materials and Interfaces 7(47) (2015) 26108−26116.
54. Yao L., N. Shanfi-Mood, I.B. Liu, K.J. Stebe, Capillary migration of microdisks on curved interfaces, Journal Colloid Interface Science 449 (2015) 436−442.
55. Barman S., G.F. Christopher, Role of capillarity and microstructure on the interfacial viscoelasticity of particle laden interfaces, Journal of Rheology 60(1) (2016) 35−45.
56. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
57. Feng D.-X., A.V. Nguyen, The floatability of single spheres versus their pairs on the water surface, Langmuir 32(51) (2016) 13627−13634.
58. Hausmann R., Effective field theory of particle interactions mediated by fluid surfaces, PhD Thesis, Carnegie Mellon University, 2016.
59. Jeridi H., M. Tasinkevich, T. Othman, C. Blanc, Colloidal particles in thin nemtic films, Langmuir 32(35) (2016) 9097–9107.
60. Liu G., L. Zhou, Q. Fan, L. Chai, J. Shao, The vertical deposition self-assembly process and the formation mechanism of poly(styrene-co-methacrylic acid) photonic crystal on polyester fabrics, Journal of Material Science 51(6) (2016) 2859–2868.
61. Ooi C. H., A.V. Nguyen, G.M. Evans, D.V. Dao, N.-T. Nguyen, Measuring the coefficient of friction of a small floaing liquid marble, Scientific Reports 6 (2016) Art. No. 38346.
62. Soligno G., M. Dijkstra, R. Van Roij, The equilibrium shape of fluid-fluid interfaces: Derivation and a new numerical method for young's and young-laplace equations, Journal of Chemical Physics 141(24) (2016) Art. No. 244702.
63. Xie Q., G.B. Davies, J. Harting, controlled capillary assembly of magnetic Janus particles at fluid-fluid interfaces, Soft Matter 12(31) (2016) 6566−6574.
64. Yoshi M., H. Yamamoto, Y. Sumino, S. Nakata, Self-oscilalting gel accelerated while sensing the shape of an aqueous surface, Langmuir 32(16) (2016) 3901−3906.
65. Zanini N., L. Isa, Particle contact angles at fluid interfaces: Pushing the boundary beyond hard uniform spherical colloids, Journal of Physics Condensed Matter 28(31) (2016) Art. No. 313002.
66. Anjali T.G., M.G. Basavaraj, Shape-induced deformation, capillary bridging, and self-assembly of cuboids at the fluid-fluid interface, Langmuir 33 (2017) 791−801.

67. Cappelli S., A.M. De Jong, J. Baudry, M.W.J. Prins, Interparticle capillary forces at fluid-fluid interface with strong polymer-induced aging, Langmuir 33 (2017) 696–705.
68. Feng D.-X., A.V. Nguyen, Contact angle variation on single floating spheres and its impact on the stability analysis of floating particles, Colloids and Surfaces A 520 (2017) 442–447.
69. Hamdana G., T. Sudkamp, M. Descoins, D. Mangelink, L. Caccamo, M. Bertke, H.S. Wasisto, H. Bracht, E. Peiner, Towards fabrication of 3D isotopically modulated vertical silicon nanowires in selective areas by nanosphere lithography, Microelectronic Engineering 179 (2017) 74–82.
70. Hauser A.W., nanocomposite polymer networks for reconfigurable materials, PhD Thesis, University of Massachusett, 2017.
71. Huang S., K. Gawlitza, R. Von Klitzing, W. Steffen, G.K. Aurenhammer, Structure and rheology of microgel monolayers at the water/oil interface, Macromolecules 50(9) (2017) 3680–3689.
72. Kim P.Y., Particles Confined by Fluid Interfaces: Imaging Particle Motion, Interface Deformation and Capillary Forces, PhD Thesis, University of Massachusett, 2017.
73. Lone S., J.M. Zhang, I.U. Vakarelski, E.Q. Li, S.T. Thoroddsen, Evaporative lithography in open microfluidic channel networks, Langmuir 33(11) (2017) 2861–2871.
74. Luo A.M., Rheology and thermodynamics of particle-stabilized fluid interfaces, PhD Thesis, Eth Zurich, 2017.
75. Niu R., T. Palberg, T. Speck, Self-assembly of colloidal molecules due to self-generated flow, Physical Review Letters 119(2) (2017) Art. No. 028001.
76. Pandey A., S. Karpitschka, L.S. Lubbers, J.H. Weijs, L. Botto, S. Das, N. Andreotti, J.H. Snoeijer, Dynamical theory of the inverted cheerios effect, Soft Matter 13(35) (2017) 6000–6010.
77. Petrova A.B., C. Herold, Petrov E.P., conformations and membrane-driven self-organization of rodlike fd virus particles on freestanding lipid membranes, Soft Matter 13(39) (2017) 7172–7187.
78. Rauch A., M. Rey, L. Barbera, M. Zanini, M. Karg, L. Isa, Compression of hard core-soft shell nanoparticles at liquid-liquid interfaces: Influence of the shell thickness, Soft Matter 13(1) (2017) 158–169.
79. Zhou T., A. McCue, Y. Ghadar, I. Bako, A.E. Clark, Structural and dynamic heterogeneitiy of capillary wave fronts at aqueous interfaces, Journal of Physical Chemistry B 121(38) (2017) 9052–9062.
80. Zhou X., F. Zhang, Bifurcation of partially immersed plate between two parallel plates, Journal of Fluid Mechanics 817 (2017) 122–137.
81. Евдокимов С.И., Т.Е. Герасименко, извлечения золота ис руд флотацией в условиях тепломассообмена между фазами, Вестник МГТУ им. Г.И. Носова 15(4) (2017) 10–17.
82. Евдокимов С., В. Евдокимов, Технологии переработки отходов россыпной золотодобычи. Экология и промышленность России 21(9) (2017) 10–15.
83. Arab D., A. Kantzas, S.I. Briant, Nanoparticle stabilized oil in water emulsions: A critical review, Journal of Petroleum Science and Engineering 163 (2018) 217–242.
84. Daniel M., J. Reznickova, M. Handl, A. Iglic, V. Kralj-Iglic, Clustering and separation of hydrophobic nanoparticles in lipid bilayer explained by membrane mechanics, Scientific Reports 8(1) (2018) Art. No. 10810.
85. De Corato M., V. Garbin, Capillary interaction between dynamically forced particles adsorbed at a planar interface and on a bubble, Journal of Fluid Mechanics 847 (2018) 71–92.
86. Evdokimov S.I., T.E. Gerasimenko, Properties of wetting liquid films in flotation processes, Mining Informational and Analytical Bulletin 6 (2018) 142–152.
87. Grosjean G., M. Hubert, N. Vandewalle, Magnetocapillary self-assemblies: Locomotion and micromanipulation along a liquid interface, Advances in Colloid and Interface Science 255 (2018) 84–93.
88. Grosjean G., Magnetocapillary self-assemblies: Interfacial locomotion at low Reynolds number, PhD Thesis, Liege University, 2018.
89. Laal Dehghani N., R. Khare, G.F. Christopher, 2D stokesian approach to modeling flow induced deformation of particle laden interfaces, Langmuir 34(3) (2018) 904–916.
90. Ni S., L. Isa, H. Wolf, Capillary assembly as a tool for the heterogeneous interaction of micro- and nanoscale objects, Soft Matter 14(16) (2018) 2978–2995.
91. Ooi C.H., J. Jin, K.R. Sreejith, A.V. Nguyen, G.M. Evans, Nguyen N.-T., Manipulation of a floating liquid marbel using dielectrophoresis, Lab on a Chip 18(24) (2018) 3770–3779.
92. Wu L., X. Wang, G. Wang, G. Chen, In situ X-ray scattering observation of two-dimensional interfacial colloidal crystallization, Nature Communications 9(1) (2018) Art. No. 1335.
93. Zanini N., I. Lesov, E. Marini, C.-P. Hsu, C. Marshcelke, A. Synytska, S.E. Anachkov, L. Isa, Detachment of rough colloids from liquid-liquid interfaces, Langmuir 34(16) (2018) 4861–4873.
94. Zhang F., X. Zhou, Hydrostatics and stability of floating elliptical cylinder with surface tension effects for different eccentricities and Bond numbers, Journal of Physics: Conference Series 1141 (2018) Art. No. 012002.
95. Anjali T.G., M.G. Basavaraj, Shape-anisotropic colloids at interfaces, Langmuir 35 (2019) 3–20.

96. Ballard N., A.D. Law, S.A.F. Bon, Colloidal particles at fluid interfaces, Soft Matter 15(6) (2019) 1186–1199.
97. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
98. Ho I., G. Pucci, D.M. Harris, direct measurements of capillary attraction between floating disks, Physical Review Letters 123 (2019) Art. No. 254502.
99. Huang D.E., R.N. Zia, Sticky-probe active microrheology: Part 2. The influence of attractions on non-Newtonian flow, Journal of Colloid and Interface Science 562 (2020) 293–306.
100. Laal-Dehghani N., G.F. Christopher, 2D stockesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
101. Lagarde A., C. Josserand, S. Protiere, The capillary interaction between pairs of granuilar rafts, Soft Matter 15(28) (2019) 5695–5702.
102. Liu J., S. Li, Capillary-driven migration of small objects: A critical review, European Physical Journal E 42 (2019) Art. No. 1.
103. Luo A.M., J. Vermant, P. Ilg, Z. Zhang, L.M.C. Sagis, Self-assembly of colloidal particles at fluid-fluid interfaces with and empirical pair potential, Journal of Colloid and Interface Science 534 (2019) 205–214.
104. Maestro A., E, Guzman, Colloids at fluid interfaces, Processes 7 (2019) Art. No. 942.
105. Rahman S.E., N. Laal-Dehghani, G.F. Christopher, Interfacial viscoelasticity of self-assebled hydrophopic/hydrophuilic particles at an air/water interface, Langmuir 35 (2019) 13116–13125.
106. Rahman S.E., N. Laal-Dehghani, S. Barman, G.F. Christofer, Modifying interfacial interparticle forces to alter microstructure and viscoelasticity of densely packed particle laden interfaces, Journal of Colloid and Interface Science 536 (2018) 30–41.
107. Soligno G., D. Vanmaekelbergh, Understanding the formation of PbSe honeycomb superstructures by dynamics simulations, Physical Review X 9 (2019) Art. No. 021015.
108. Vasudevan S.A., Dynamics and wetting of heterogeneous colloids at liquid interfaces, PhD Thesis, ETH Zurich, 2019.
109. Behrens S.H., Oil-coated bubbles in particle suspensions, capillary foams, and related oppurtunities in colloidal multiphase systems, Current Oppinion in Colloid and Interface Science 50 (2020) Art. No. 101384.
110. Dietrich K., Artificial microswimmers at liquid-liquid interfaces, PhD Thesis, ETH, Zurich, 2020.
111. Flores-Tandy L.M., A.V. Garcia-Monjaraz, E.A. van Nierop, E.A. Vazquez-Martinez, J. Ruiz-Garcia, S. Mejia-Rosales, Fractal aggregates formed by ellipsoidal colloidal particles at the air/water interface, Colloids and Surfaces A 590 (2020) Art. No. 124477.
112. Goggin G.M., H. Zhang, E.M. Miller, J.R. Samaniuk, Interference provide clarity: Direct observation of 2D matrerials at fluid-fluid interfaces, ACS Nano 14 (2020) 777–790.
113. Liu J., S.P. Ganesan, X. Li, A. Garg, A. Singhal, K.D. Dosetti, J. Feng, Dynamics of biochar-silty clay interaction using in-house fabricated cyclic loading apparatus: A case study of coastal clay and novel peach biochar from the qingdao region of China, Sustainability 12 (2020) Art. No. 2599.
114. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
115. Martinez-Pedrero F., Static and dynamic behavior of magnetic particles at fluid interfaces, Advances Colloid Interface Science 284 (2020) Art. No. 102233.
116. Shao X., F. Duan, Y. Hou, X. Zhou, Role of surfactant in controlling the deposition pattern of a particle-ladden droplet: Fundamentals and strategies, Advances in Colloid and Interface Science 275 (2020) Art. No. 102049.
117. Weijgertze H.M.H., W.K. Kegel, M. Zanini, Patchy rough colloids as Pickering stabilizers, Soft Matter 16 (2020) 8002–8012.
118. Bi W., E.K.L. Yeow, Single-particle tracking of the formation of a pseudoequilibrium state prior to charged microgel cluster formation at interfaces, NPG Asia Materials 12 (2020) Art. No. 72.
119. Ji X., X. Wang, Y. Zhang, D. Zang, Interfacial viscoelasticity and jamming of colloidal particles at fluid-fluid interfaces: A review, Reports on Progress in Physics 82 (2020) Art. No. 126601.
120. Vandewalle N., M. Poty, N. Vanesse, J. Caprasse, T. Defize, C. Jerome, Switchable self-assembled capillary structures, Soft Matter 16 (2020) 10320–10325.
121. Wouters M., O. Aouane, M. Sega, J. Harting, Capillary interactions between soft capsules protruding through thin liquid films, Soft Matter 16 (2020) 10910–10920.
122. Kaszas C., Behavior of alumina powder fed into molten electrolytic bath, PhD Thesis, University of Quebec, Canada, 2020.
123. Hermauer J., M. Qiu, J.J. Feng, J.-C. Loudet, Particle rotation speeds up capillary interactions, The Eouropean Physical Journal E 44 (2021) Art. No. 30.
124. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.
125. Lee J., Tha static profile for a floating particle, Colloids and Interfaces 2 (2018) Art. No. 18.

150 N.C. Christov, K.D. Danov, Y. Zeng, P.A. Kralchevsky, R. von Klitzing, Oscillatory structural forces due to nonionic surfactant micelles: data by colloidal–probe AFM vs. theory, Langmuir 26(2) (2010) 915–923. (**Citations: 28**)

1. Nikolov A., K. Kondiparty, D. Wasan, Nanoparticle self–structuring in a nanofluid film spreading on a solid surface, Langmuir 26(11) (2010) 7665–7670.
2. Wei Y.–T., S.–C. Wu, Development of a trajectory model for predicting attachment of submicrometer particles in porous media: Stabilized NZVI as a case study, Environmental Science and Technology 44(23) (2010) 8996–9002.
3. Tabor R.F., H. Lockie, D.Y.C. Chan, F. Grieser, I. Grillo, K.J. Mutch, R.R. Dagastine, Structural forces in soft matter systems: Unique flocculation pathways between deformable droplets, Soft Matter 7(24) (2011) 11334–11344.
4. Banerjee S., P. Mulder, J.M. Kleijn, M.A.C. Stuart, Ternary fluid mixture confined between surfaces: Surface-induced phase transition and long-range oscillatory forces, Chemistry Letters 41(10) (2012) 1113–1115.
5. Hu G.-H., Influences of oscillatory structural forces on dewetting of nanoparticle-laden ultra-thin films, Acta Mechanica Sinica/Lixue Xuebao 28(3) (2012) 737–745.
6. Sinha P., I. Popa, M. Finessi, F.J.M. Ruiz-Cabello, I. Szilagyi, P. Maroni, M. Borkovec, Exploring forces between individual colloidal particles with the atomic force microscopy, Chimia 66(4) (2012) 214–217.
7. Wei X., X. Gomg, T. Ngai, Interaction between solid surfaces mediated by polyethylene oxide polymers: effect of polymer concentration, Langmuir 29(35) (2013) 11038–11045.
8. Ding Z., J. Li, The fatigue constitutive model of concrete based on micro-meso mechanics, Chinese Journal of Theoretical and Aplllied Mechanics 46(6) (2014)) 911–919.
9. Erramreddy V.V., S. Ghosh, Influence of emulsifier concentration on nanoemulsion gelation, Langmuir 30(37) (2014) 11062–11074.
10. Gong X., Z. Wang, T. Ngai, Direct measurements of particle-surface interactions in aqueous solutions with total internal reflection microscopy, Chemical Communication 50(50) (2014) 6565–6507.
11. Briscoe W.H., Depletion forces between particles immersed in nanofluids, Current Oppinion in Colloid and Interface Science 20(1) (2015) 46–53.
12. Browne C., R.F. Tabor, F. Grieser, R.R. Dagastine, Direct AFM force measurements between air bubbles in aqueous monodisperse sodium poly(styrene sulfonate) solutions, J. Colloid Interface Sci. 451 (2015) 69–77.
13. Browne C., R.F. Tabor, F. Grieser, R.R. Dagastine, Direct AFM force measurements between air bubbles in aqueous polydisperse sodium poly(styrene sulfonate) solutions: Effect of collision spead, polyelectrolyte concentration and molar mass, J. Colloid Interface Sci. 449 (2015) 236–245.
14. Erramreddy V.V., S. Ghosh, Influence of droplet size on repulsive and attractive nenoemulsion gelation, Colloids Surfaces A 484 (2015) 144–152.
15. Herman D.J., Controllig colloidal stability using highly charged nanoparticles, PhD Thesis, Virginia Polytechnic Institute and State University, 2015.
16. Amano K.-I., Y. Liang, K. Miyazawa, K. Kobayashi, K. Hashimoto, K. Fukami, N. Nishi, T. Sakka, H. Onishi, T. Fukuma, Number density distribution of solvent molecules on a substrate: A transform theory for atomic force microscopy, Physical Chemistry Chemical Physics 18(23) (2016) 15534–15544.
17. Beltramo P. J. Vermant, Simple optical imaging of nanoscale features in free-standing film, ACS Omega 1(3) (2016) 363–370.
18. Browne C.I., Depletion and structural force interactions of bubbles in aqueous polyelectrolyte solutions, PhD Thesis, University of Melbourne, 2016.
19. Ahmadi M., R. Ansari, M. Darvizeh. H. Rouhi, Effects of fluid environment properties on the nonlinear vibration of AFM piezoelectric microcantilevers, Journal of Ultrafine Grained and Nanostructured Materials 50 (2017) 117–123.
20. Helfricht N., A. Mark, L. Dorwling-Carter, T. Zambelli, G. Papastavrou, Extending the limits of direct force measurements: Colloidal probes from sub-micron particles, Nanoscale 9(27) (2017) 9491–9501.
21. Moazzami-Godarzi M., Maroni P., Borkovec M., Trefalt G., Depletion and double layer forces acting between charged particles in solutions of like-charged polyelectrolytes and monovalent salts, Soft Matter 13 (2017) 3284–3295.
22. Moazzami-Godarzi M., Surface forces in the presence of multivalent ions and polyelectrolytes, PhD Thesis, Geneve University, 2017.
23. Auermhamer G., Magnetorheological gells in two and three dimensions: understanding the interplay between single particle motion, internal deformation, and matrix properties, Archive of Applied Mechanics (2018) 1–13.
24. Ahmadi M., R. Ansari, M. Darvizeh, Free and forced vibrations of atomic force microscope piezoelectric cantilevers considering tip-sample nonlinear interactions, Thin-Walled Structures 145 (2019) Art. No. 106382.

25. Bernardino K., A. Farias De Moura, Electrostatic potential and counterion partition between flat and spherical interfaces, Journal of Chemical Physics 150(7) (2019) Art. No. 074704.
26. Lele B.J., R.D. Tilton, control of the colloidal depletion force in nonionic polymer solutions by complexation with anioninc surfactants, Journal of Colloid and Interface Science 553 (2019) 436–450.
27. Lele B.J., R.D. Tilton, Colloidal depletion and structural force synergism or antagonism in solutions of mutually repelling polyelectrolytes and ionic surfactants, Langmuir 35 (2019) 15937–15947.
28. Chatzigiannakis E., J. Vermant, Dynamic stabilization during the drainage of thin film polymer solutions, Soft Matter 17 (2021) Art. No. 4790–4803.

149 I.B. Ivanov, K.D. Danov, D. Dimitrova, M. Boyanov, K.P. Ananthapadmanabhan, A. Lips, Equations of state and adsorption isotherms of low molecular non–ionic surfactants, Colloid and Surfaces A 354 (2010) 118–133. (**Citations: 19**)

1. Adisalamun, D. Mangunwidjaja, A. Suryani, T.C. Sunarti, Y. Arkeman, Adsorpsi surfaktant nonionik alkil poliglikosida pada antarmuka fluida-fluida, Jurnal Rekayasa Kimia dan Linkugnan 9(1) (2012) 1–5.
2. Jachimska B., A. Pomianowski, Effect of molecular structure of aphiphiles on the surface pressure and electric surface potential isotherms at the air/solution interfaces, ICHE, 2013.
3. Kelompok O., Adsorpsi Surfaktan Nonionik Alkil Poliglikosida pada Antarmuka Fluida-Fluida, PhD Thesis, Fakultas Teknologi Pertanian, Universitas Brawijaya, Malang, 2013.
4. Barzyk W., K. Lunkerheimer, P. Warszynski, B. Jachimska, A. Pomianowski, Effect of molecular structure of amphiphiles on the surface pressure and electric surface potential isotherms at the iar/solution interface, Colloid Surfaces A 443 (2014) 515–524.
5. Bournival G., S.I. Karakashev, G.I. Jameson, An investigation of bubble coalescence and post-rupture oscillations in non-ionic surfactant solutions using high-speed cinematography, J. Colloid Interface Sci. 414 (2014) 50–58.
6. Bournival G., Z. Du, S. Ata, G.J. Jameson, Foaming and gas dispersion properties of non-ionic surfactants in the presence of an inorganic electrolyte, Chemical Engineering Science 116 (2014) 536–546.
7. Bournival G., L. de Oliveira e Souza, S. Ata, E.J. Wanless, Effect of alcohol frothing agents on the coalescence of bubbles coated with hydrophobized silica particles, Chemical Engineerign Science 131 (2015) 1–11.
8. Karakashev S.I., How to determine the adsorption energy of the surfactant's hydrophilic head? How to estimate easily the surface activity of every simple surfactant? J. Colloid Interface Sci. 432 (2014) 98–104.
9. Karakashev S.I., S.K. Smoukov, Fast estimation of equilibrium adsorption constants of ionic surfactants with account for ion-specific effects, Colloids Surfaces A 467 (2015) 143–148.
10. Bottcher S., M. Scampichio, S. Drusch, Mixtures of saponins and beta-lactoglobulin differ from classical protein/surfactant-systems at the air-water interface, Colloids and Surfaces A 506 (2016) 765–773.
11. Bournival G., J.H. Tavares, S. Ata, E.J. Wanless, The role of bublle interfacial properties in the detachment of particles during bubble coalescence, IMPC 2016. Art. No. 135047.
12. Shahir A.A., A.V. Nguyen, S.I. Karakashev, A quantification of immersion of the adsorbed ionic surfactants at liquid/fluid interfaces, Colloid Surfaces A 509 (2016) 279–292.
13. Zahariev T.K., A.V. Tadjer, A.N. Ivanova, Trabsfer of non-ionic surfactants across the water-oil interface: A molecular dynamic study, Colloids and Surfaces A 506 (2016) 20–31.
14. Bournival G., S.R. Muin, N. Lambert, S. Ata, Characterisation of frother properties in coal preparation process water, Minerals Engineering 110 (2017) 47–56.
15. Medeiros M., X. Marcos, A.A. Velasco-Medina, S. Perez-Casas, J. Gracia-Fabrique, Micellization and adsorption modeling of single and mixed non-ionic surfactants, Colloids and Surfaces A 556 (2018) 81–92.
16. Minkov I.L., D. Arabadzhieva, I.E. Salama, E. Mileva, R.I. Slavchov, Barrier kinetics of adsorption-desorption of alcohol monolayers on water under constant surface tension, Soft Matter 15(8) (2019) 1730–1746.
17. Pawignya H., T.D. Kusworo, B. Pamudono, Adsorption of nonionic alkyl polyglycosides surfactants in an emulsion systems, Journal of Chemical Technology and Metallurgy 55 (2020) 372–376.
18. Guven O., K. Batjargal, O. Ozdemir, S.I. Karakashev, N.A. Grozev, F. Boylu, M.S. Celik, Experimental procedure for the determination of the critical coalescence concetration (CCC) of simple frothers, Minerals 10 (2020) Art. No. 617.
19. Peychev B., R. Slavchov, Adsorption model and phase transitions of diblock perfluoroalkylated surfactants at the water|alkane interface, Journal of Colloid and Interface Science 594 (2021) 372–388.

148 M.P. Boneva, K.D. Danov, P.K. Kralchevsky, S.D. Kralchevska, K.P. Ananthapadmanabhan, A. Lips, Coexistence of micelles and crystallites in solutions of potassium myristate: soft matters vs. solid matters, Colloid and Surfaces A 354 (2010) 172–187. (**Citations: 9**)

1. Eckert K., M. Acker, R. Tadmouri, V. Pimienta, Chemo-Marangoni convection driven by an interfacial reaction: Pattern formation and kinetics, Chaos 22(3) (2012) Art. No. 037112.

2. Sagitani J., Stability conditions and mechanism of cream soaps: role of glycerol, Journal of Oleo Science 63(4) (2014) 365–372.
3. Velikova G., I. Georgiev, M. Veneva, Effect of the precipitation of acid soap and alkanoic acid crystallites on the bulk pH, ESGI'104, Sofia, 2014.
4. Forth J., D.J. French, A.V. Gromov, S. King, S. Trimuss, K.M. Lord, M.J. Ridout, P.J. Wilde, P.S. Clegg, Temperature- and pH-dependent shattering: Insoluble fatty ammonium phosphate films at water-oil interfaces, Langmuir 31(34) (2015) 9312–9324.
5. Krzan M., E. Jarek, P. Warszynski, E. Rogatska, Effect of products of PLA2 catalyzed hydrolysis of DLPC on motion of rising bubbles, Collods and Surfaces B 128 (2015) 261–267.
6. Sagitani H., M. Komoriya, Stability conditions and mechanism of cream soaps: effect of polyols, Journal of Oleo Science 64(8) (2015) 809–816.
7. Li F., M. Chen, W. Zhang, Effect of binary/ternary fatty acids ratio and glycerin on the phase behaviors of soap solutions, Journal of Surfactants and Detergents 20(2) (2017) 425–434.
8. Li F. X. Tang, M. Chen, W. Zhang, Effect of polyhydric alcohols, surfactants, emollients and emulsifiers on phase behaviors of ternary fatty acid soap solutions, Journal of Surfactants and Detergents 20(6) (2017) 1337–1349.
9. Shah R.A., R. Masrat, M.S. Lone, S. Afzal, U. Ashraf, G.M. Rather, A.A. Dar, Solution properties and micellization behaviour of binary mixtures of sodium salts of N-tetradeconyl alanine and N- tetradeconyl phenylalanine surfactants, Journal of Molecular Liquids 248 (2019) 569–576.

147 K.D. Danov, P.K. Kralchevsky, S.D. Stoyanov, Elastic Langmuir layers and membranes subjected to unidirectional compression: wrinkling and collapse, Langmuir 26(1) (2010) 143–155. (**Citations: 28**)

1. Aumaitre E., D. Vella, P. Cicuta, On the measurement of the surface pressure in Langmuir films with finite shear elasticity, Soft Matter 7(6) (2011) 2530–2537.
2. Chhapadia P., P. Mohammadi, P. Sharma, Curvature-dependent surface energy and implications for nanostructures, Jornal of the Mechanics and Physics of Solids 59(10) (2011) 2103–2115.
3. Minakova M., Savelyev A., Papoian G.A., Nonequilibrium-water transport in a nonionic microemulsion system, Journal of Physical Chemistry B 115(20) (2011) 6503–6508.
4. Sagis L.M.C., Dynamic properties of interfaces in soft matter: Experiments and theory, Rev. Mod. Phys. 83 (2011) 1367–1403.
5. Imperiali L., K.-H. Liao, C. Clasen, J. Fransaer, C.W. MacOsko, J. Vermant, Interfacial rheology and structure of tiled graphene oxide sheets, Langmuir 28(21) (2012) 7990–8000.
6. Yunker P.J., Coffee-rings and glasses: colloids out of equilibrium, PhD Thesis, University of Pennsylvania, 2012.
7. Yunker P.J., M. Gratale, M.A. Lohr, T. Still, T.C. Lubensky, A.G. Yodh, Influence of particle shape on bending rigidity of colloidal monolayer membranes and particle deposition during droplet evaporation in confined geometries, Physical Review Letters 108(22) (2012) Art. 228303.
8. Van Hooghten R., L. Imperiali, V. Boeckx, R. Sharma, J. Vermant, Rough nanoparticles at the air-water interfaces: their structure, rheology and applications, Soft Matter 9(45) (2013) 10791–10798.
9. Walker D.M., A. Tordesillas, T. Nakamura, T. Tanizawa, Direct network topologies of smart grain sensors, Physical Review E 87(3) (2013) Art. No. 032203.
10. You S.S., Rashkov R., Kanjanaboos P., Calderon I., Meron M., Jaeger H.M., Lin B., Comparison of the mechanical properties of self-assembled langmuir monolayers of nanoparticles and phospholipids, Langmuir 29(37) (2013) 11751–11757.
11. Jin L., Mechanical instabilities of soft materials: creases, wrinkles, folds, and ridges, PhD Thesis, School of Engineering and Applied Sciences, Harvard University, 2014.
12. Knoche S., Instabilities and shape analyses of elastic shells, PhD Thesis, TU Dortmund University, 2014.
13. Sagis L.M., P. Fischer, Nonlinear rheology of complex fluid-fluid interfaces, Curr. Opin. Colloid Interface Sci. 19(6) (2014) 520–529.
14. Sagis L.M.C., K.N.P. Humblet-Hua, S.E.H.J. Van Kempen, Nonlinear stress deformation behavior of interfaces stabilized by food-based ingradients, Journal of Physics Condensed Matter 25(46) (2014) Art. No. 464105.
15. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2014.
16. Tavacoli J.W., J.H.J. Thijssen, P.S. Glegg, Bicontinuous emulsions stabilized by colloidal particles, in: Particle-Stabilized Emulsions and Colloids: Formation and Applications, RSC Soft Matter No.3, 2015, Ch. 6, 129–168.
17. Bedeaux D., Experimental thermodynamics, Vol. X, Non-equilibrium thermodynamics with applications, 2016.

18. Moriss R.J., K.M. Bromley, N. Stanley-Wall, C.E. MacPhee, A phenomenological description of BsIA assemblies across multiple length scales, Philosophical Transactions of the Royal Society A 374(2072) (2016) Art, No. 20150131.
19. Sagis L.M.C., Dynamics of complex fluid-fluid interfaces, in: Experimental Thermodynamics, vol. X: Non-equilibrium Thermodynamics with Applications, D. Bedeaux, S. Kjelstrup, and J.V. Sengers (eds.), Ch. 17, 2016.
20. Lamorgese A., R. Mauri, L.M.C. Sagis, Modeling soft interface dominated systems: A comparison of phase field and Gibbs dividing surface models, Physics Reports 675 (2017) 1−54.
21. Silvergerb G.J., A.A. McClelland, S. Griesse-Nascimento, C. Girawabe, J.P. Kadow, L. Mahadevan, C.D. Vecitis, Controlling the raoughness of Langmuir-Blodgett monolayes, Journal of Phisical Chemistry B 121(19) (2017) 5078–5085.
22. Liang X., Mechanical instability in soft materials, PhD Thesis, University of California, 2018.
23. Mi C., Elastic behavior of a half-space with a Steigmann-Ogden boundary under nanoscale frictionless patch loads, International Journal of Engineering Science 129 (2018) 129−144.
24. Vora S.R., B. Bognet, H.S. Patanwala, C.D. Young, S.-Y. Chang, V. Daux, A.W.K. Ma, Global strain field mapping of a particle-laden interface using digital image correlation, Jornal of Colloid and Interface Science 509 (2018) 94−101.
25. Li T., K. Lilja, R.J. Momis, G.B. Brandani, Langmuir-Blodgett technique for anisotropic colloids: Young investigator perspective, Journal of Colloid and Interface Science 540 (2019) 420−438.
26. Felix M., C. Carrera, A. Romero, C. Bengoechea, A. Guerrero, Rheological approaches as a tool for the development and stability behaviour of protein-stabilized emulsions, Food Hydrocolloids 104 (2020) Art. No. 105719.
27. Ahn S., S.J. Lee, Nanoscale element behavior in a continuum, Journal of Synchrotron Radiation 27 (2020) 1033–1041.
28. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.

146 N. Alexandrov, K.G. Marinova, K.D. Danov, I.B. Ivanov, Surface dilatational rheology measurements for oil/water systems with viscous oils, J. Colloid Interface Sci. 339 (2009) 545–550. (**Citations: 31**)

1. Kovalchuk V.I., F. Ravera, L. Liggieri, G. Loglio, A.V. Makievski, S. Vincent−Bonnieu, J. Kragel, J. Javadi, R. Miller, Capillary pressure studies under low gravity conditions, Adv. Colloid Interface Sci. 161(1−2) (2010) 102−114.
2. Ravera F., G. Loglio, P. Pandolfini, E. Santini, L. Liggieri, Determination of the dilational viscoelasticity by the oscillating drop/bubble method in a capillary pressure tensiometer, Colloid Syrfaces A 365(1−3) (2010) 2−13.
3. Ravera F., G. Loglio, V.I. Kovalchuk, Interfacial dilational rheology by oscillating bubble/drop methods, Current Opinion in Colloid and Interface Science 15(4) (2010) 217−228.
4. Kovalchuk V.I., F. Ravera, L. Liggieri, G. Loglio, J. Javadi, N.M. Kovalchuk, J. Kragel, Studies in capillary pressure tensiometry and interfacial dilatational rheology, Bubble and Drop Interfaces, Progres in Colloid and Interface Science, Vol.2, 2011, 143−178.
5. Sagis L.M.C., Dynamic properties of interfaces in soft matter: Experiments and theory, Rev. Mod. Phys. 83 (2011) 1367−1403.
6. Javadi A., J. Kragel, A.V. Makievski, V.I. Kovalchuk, N.M. Kovalchuk, N. Mucic, G. Loglio, P. Pandolfini, M. Karbaschi, R. Miller, Fast dynamic interfacial tension measurements and dilatational rheology of interfacial layers by using the capillary pressure technique, Colloid and Surfaces A 407(5) (2012) 159−168.
7. Bureiko A., A. Trybala, J. Huang, N. Kovalchuk, V. Starov, Bulk and surface rheology of Aculyn^{tm} 22 and Aculyn^{tm} 33 polymeric solutions and kinetics of foam drainage, Colloid Surfaces A 434 (2013) 268−275.
8. Hobley L., A. Ostrowski, F.V. Rao, K.M. Bromley, M. Porter, A.R. Preskott, C.E. MacPhee, D.M.F. Van Aalten, N.R. Stanley-Wall, BslA in a self-assmebling bacterial hydrophobin that coats the Basillicus subtilis biofilm, PANS 110(33) (2013) 13600−13605.
9. Javadi A., N. Mucic, M. Karbashi, J.Y. Won, V.B. Fainerman, A. Sharipova, E.V. Aksenenko, V.I. Kovalchuk, N.M. Kovalshuk, A.V. Makievski, J. Kragel, R. Miller, Interfacial dynamics methods, in: Encyclopedia of Colloid and Interface Science, 2013, 637−676.
10. Nikiforidis C.V., C. Ampatzidis, S. Lalou, E. Scholten, T.D. Karapantsios, V. Kiosseouglu, Purified oleosins at air-water interface, Soft Matter 9(4) (2013) 1354−1363.
11. Rane J.P., V. Pauchard, A. Couzis, S. Banerjee, Interfacial rheology of asphaltenes at oil-water inetrfaces and interpretation of the equation of state, Langmuir 29(15) (2013) 4750−4759.
12. Tadros T., Interaction energy, Interfacial dynamics methods, in: Encyclopedia of Colloid and Interface Science, 2013, 633−634.

13. Tadros T., Interfacial tension, Interfacial dynamics methods, in: Encyclopedia of Colloid and Interface Science, 2013, 676–678.
14. Alves D.R., Carneiro J.S.A., Oliveira I.F., Facanha Jr.F., Santos A.F., Dariva C., Franceschi E., Frotuny M., Influence of the salinity on the interfacial properties of a Brazilian crude oil-brine systems, Fuel 118 (2014) 21–26.
15. Javadi A., J. Kragel, M. Karbashi, J.Y. Won, A. Dan, G. Gochev, A.V. Makievski, G. Loglio, L. Liggieri, F. Ravera, N.M. Kovalchuk, M. Lofti, V. Ulaganathan, V.I. Kovalchuk, R. Miller, Capillary pressure experiments with drops and bubbles, in: Colloid and Interface Chemistry for Nanotechnology, 2014, 271–313.
16. Powell K.C., A. Chauhan, Interfacial tension and surface elasticity of carbon black (CB) covered oil-water interface, Langmuir 30(41) (2014) 12287–12296.
17. Sagis L.M.C., K.N.P. Humblet-Hua, S.E.H.J. Van Kempen, Nonlinear stress deformation behavior of interfaces stabilized by food-based ingradients, Journal of Physics Condensed Matter 25(46) (2014) Art. No. 464105.
18. Kotula A.P., S.I. Anna, Regular perturbation analysis of small amplitude oscillatory dilatation of an interface in a capillary pressure tensiometer, Journal of Rheology 59(1) (2015) 85–117.
19. Lotfi M., A. Javadi, M. Karbaschi, R.A. Campbell, V.I. Kovalchuk, J. Kragel, V.B. Fainerman, D. Bastani, R. Miller, Ecperimental approaches and related theory, Computational Methods for Complex Liquid-Fluid Interfaces (2015) 59–82.
20. Rane J.P., S. Zarkar, V. Pauchard, O.C. Mullins, D. Christie, A.B. Andrews, A.E. Pomerantz, S. Banerjee, Applicability of the Langmuir equation of state for asphaltene adsorption at the oil-water interface: coal-derived, petroleum, and synthetic asphaltenes, Energy and Fuels 29(6) (2015) 3584–3590.
21. Pagureva N., S. Tcholakova, K. Golemanov, N. Denkov, E. Pelan, S.D. Stoyanov, Surface properties of adsorption layers formed from triterpenoid and steroid saponins, Colloids Surfaces A 491 (2016) 18–28.
22. Powell K.C., A. Chauchan, Dynamic interfacial tension and dilatational rheology of dispersant Corexit 9500, Colloids and Surfaces A 497 (2016) 352–361.
23. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367–381.
24. Alves D., E. Lorenco, E. Franceschi, A.F. Santos, C.C. Santana, G. Borges, C. Dariva, Influence of ionic liquid on the viscoelastic properties of crude oil emulsions, Energy and Fuels 31(9) (2017) 9131–9139.
25. Ayirala S.C., Z. Li, S.H. Saleh, Z. Xu, A.A. Yousef, Effect of salinity and individual water ions on crude oil-water interface physicochemical interactions at elevated temperature, SPE EOR 2018-March Art. No. 135963.
26. Randal G.C., Electric field deformation of protein-coated droplets in thin channels, Langmuir 34(34) (2018) 10028–10039.
27. Li P., J. Zhang, A finite difference method with sub-sampling for immersed boundary simulations of the capsule dynamics with viscoelastic membranes, Numerical Methods in Biomedical Engineering (2019).
28. Gazolu-Rusanova D., F. Mustan,Z. Vinarov, S. Tcholakova, N. Denokov, S. Stoyanov, J.W.J. de Folter, Role of lisophospholipids on the interfacial and liquid film properties of enzymatically modified egg yolk solutions, Food Hydrocolloids (2019) Art. No. 105319.
29. Denkov N., Tcholakova S., D. Cholakova, Surface phase transitions in foams and emulsions, Current Opinion in Colloid and Interface Science 44 (2019) 32–47.
30. Tsibranska S., S. Tcholakova, K. Golemanov, N. Denkov, E. Pelan, S.D. Stoyanov, Role of interfacial elasticity for the rheological properties of saponin-stabilized emulsions, Journal of Colloid and Interface Science 564 (2020) 264–275.
31. Tsibranska S., S. Tcholakova, K. Golemanov, N. Denkov, L. Arnaudov, E. Pelan, S.D. Stoyanov, Origin of the extremely high elasticity of bulk emulsions, stabilized by Yucca Schidigera saponins, Food Chemistry 316 (2020) Art. No. 126365.

145 M.P. Boneva, K.D. Danov, N.C. Christov, P.A. Kralchevsky, Attraction between particles at a liquid interface due to the interplay of gravity– and electric–field–induced interfacial deformations, Langmuir 25(16) (2009) 9129–9139. (**Citations: 28**)

1. Dominguez A., M. Oettel, S. Dietrich, Dynamics of colloidal particles with capillary interactions Phys. Rev. E 82(1) (2010) Art. No. 011402.
2. Ma H., L.L. Dai, Particle self–assembly in ionic liquid–in–water pickering emulsions, Langmuir 27(2) (2011) 508–512.
3. Loudet J.C., B. Pouligny, How do mosquito eggs self-assemble on the water surface? European Physical Journal E 34(8) (2011) Art, No. 76.
4. Pozrikidis C., A floating prolate spheroid, J. Colloid Interface Science 364(1) (2011) 248–256.
5. Zhong Z., T. Zhou, Y. Sun, J. Lin, A feasible routine for large-scale nanopattering via nanosphere lithography, in: Recent Advances in Nanofabrication Techniques and Applications, InTech Europe, 2011, 533–546.

6. Botto L., E.P. Lewandowski, M. Cavalarro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
7. Miao Y., Y. Liu, L. Hu, L.E. Helseth, Colloidal clustering of protein-coated microspheres in evaporating droplets, Soft Matter 8(7) (2012) 2267–2273.
8. Qin W.-Q., L.-Y. Ren, P.-P. Wang, C.-R. Yang, Y.-S. Zhang, Electro-flotation and collision-attachment mechanism of fine cassiterite, Transactions of Nonferrous Metals, Society of China, 22(4) (2012) 917–924.
9. Turek V.A., M.P. Cecchini, J. Paget, A.R. Kucernak, A.A. Kornyshev, J.B. Edel, Plasmonic ruler at the liquid-liquid interface, ACS Nano 6(9) (2012) 7789–7799.
10. Morgan A.R., N. Ballard, L.A. Rochford, G. Nurumbetov, T.S. Skelhon, S.A.F. Bon, Understanding the multiple orientations of isolated superellipsoidal hematite particles at the oil-water interface, Soft Matter 9(2) (2013) 487–491.
11. Gao P., X. Xing, Y. Li, T. Ngai, F. Jin, Charging and discharging of single colloidal particles at oil/water interfaces, Scientific Reports 4 (2014) Art. No. 4778.
12. Cooke I.R., C.J. Lang, L.V. White, S.J. Wakes, S.J. Sowerby, Analysis of menisci formed on cones for single field of view parasite egg microscopy, Journal of Microscopy 257(2) (2015) 133–141.
13. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
14. Emelyanenko K.A., Emelyanenko A.M., L.B. Boinovich, Image charge effects in the wetting behavior of alkanes on water with accounting for water solubility, Materials 9(3) (2016) Art. No. 177.
15. Lee D.-G., P. Cicuta, D. Vella, Self-assembly of repulsive interfacial particles via collective sinking, Soft Matter 13(1) (2017) 212–221.
16. Zhang Y., S. Wang, J. Zhou, R. Zhao, G. Benz, S. Tcheimou, J.C. Meredith, S.H. Behrens, Interfacial activity of nonamphiphilic particles in fluid-fluid interfaces, Langmuir 33(18) (2017) 4511–4519.
17. Amoanu D., Voltage-tunable 2D and 3D structures og gold nanoparticles at a water/1,2-dichloroethane interface, PhD Thesis, University of Illinois of Chikago, 2018.
18. Das S., J. Koplik, R. Farinato, D.R. Nagaraj, C. Maldarelli, P. Somasundaran, The translation and rotational dynamics of a colloid moving along the air-liquid interface of a thin film, Scientific Reports 8 (2018) Art. No. 8910.
19. Gabovich A.M., A.I. Voitenko, Electrostatic interaction near the interface between dielectric media taking into account the nonlocality of the Coulomb field screening, Journal of Molecular Liquids 267 (2018) 166–176.
20. Wu L., X. Wang, G. Wang, G. Chen, In situ X-ray scattering observation of two-dimensional interfacial colloidal crystallization, Nature Communications 9(1) (2018) Art. No. 1335.
21. Ali M., S.H. Ghosh, Liquid-liquid interface as scaffold for self-assembly of nanostructures into functional materials, Smart Nanocontainers: Micro and Nano Technologies (2019) 515–536.
22. Jia Y., R. Huang, Y. Lan, Y. Ren, H. Jiang, D. Lee, Reversible aggregation and dispersion of particles at a liquid–liquid interface using space charge injection, Advanced Materials Interfaces 6 (2019) Art. No. 1801920.
23. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
24. Zhang J., H. Feng, F. Niu, W. Sun, Y. Zhao, Study of the floc-bubble adhesion behaviour of hematite in static flow field, Physicochemical Problems of Mineral Processing 56 (2020) 124–133.
25. Yi Z., T. Ngai, Anomalous long-range attraction in colloidal binary mixtures at fluid-fluid interfaces, Colloids and Interfaces 4 (2020) Art. No. 36.
26. Hu Y., P. Vlahovska, M.J. Miksis, Aelectrohydrodynamic assembly of colloidal particles on a drop interface, Mathematical Biosciences and Engineering 18 (2021) 2357–2371.
27. Hermauer J., M. Qiu, J.J. Feng, J.-C. Loudet, Particle rotation speeds up capillary interactions, The Eouropean Physical Journal E 44 (2021) Art. No. 30.
28. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.

144 S.S. Tabakova, K.D. Danov, Effect of disjoining pressure on the drainage and relaxation dynamics of liquid films with mobile interfaces, J. Colloid Interface Sci. 336 (2009) 273–284. (**Citations: 15**)

1. Qu H., L. Wang, A.V. Nguyen, Surface forces in thin foam films stabilized by non-ionic surfactants, Chemeca 2010: Engineering at the Edge (2010) 1561–1572.
2. Rognon P., I. Einav, C. Gay, Internal relaxation time in immersed particulate materials, Phys. Rev. E 81(6) (2010) Art. no. 061304.
3. Rognon P., I. Einav, C. Gay, Flowing resistance and dilatancy of dense suspensions: lubrication and repulsion, J. Fluid Mech. 689 (2011) 75–96.
4. Emile J., F. Casanova, G. Loas, Emile O., Swelling of a foam lamella in a confined chanel, Soft Matter 8(27) (2012) 3223–3227.

5. Wang L., Drainage and rupture of thin goam films in the presence of ionic amd non-ionic surfactants, Int. Journal of Mineral Processing 102–103 (2012) 58–68.
6. Wang L., Inter-bubble attractions in aqueous solutions of flotation frothers, Separation Thechnologies for Minerals, Coal, and Earth Resources, International Symposium (2012) 35–45.
7. Ye X., K. Jiang, C. Li, Droplet spreading wih soluble surfactant under diskoining pressure/conjoining pressure, CIESC Journal 64(10) (2013) 3581–3589.
8. Wang L., Modeling of bubble coalescence in saline water in the presence of flotation frothers, International Journal of Mineral Processing 134 (2015) 41–49.
9. Ye X.-M., S.-D.Yang, C.-X. Li, Synergistic effect of the disjoining pressure and surface viscosity on the film drainage processes, Acta Physica Sinica 66(19) (2017) Art. No. 194701.
10. Ye X.-M., S.-D.Yang, C.-X. Li, Effect of the concetration-dependent disjoining pressure on drainage processes of vertical liquid film, Acta Physica Sinica 66(18) (2017) Art. No. 184702.
11. Ye X.-M., C.-X. Li, X.-S. Zhang, C.-X. Li, Coupling effect of surface elasticity and disjoining pressure on film drainage process, Acta Physica Sinica 67(16) (2018) Art. No. 164701.
12. Rosenbaum E., M. Massoudi, K. Dayal, The influence of cuccles on foamed cement viscosity using an extended Stokesian dynamics approach, Fluids 4(3) (2019) Art. No. 166.
13. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
14. Robertop P.-G., B.-T. Arturo, Coalescence of air bubbles: Effect of the electrical double layer, Minerals Engineering 150 (2020) Art. No. 106301.
15. Zeng X., X. Lan, H. Zhu, H. Liu, H.A. Umar, Y. Xie, G. Long, C. Ma, A review on bubble stability in fresh concrete: machenisms and main factors, Materials 13 (2020) Art. No. 1820.

143 P.A. Kralchevsky, K.D. Danov, N.D. Denkov, Chemical physics of colloid systems and interfaces, in: K.S. Birdi (Ed.), Handbook of Surface and Colloid Chemistry, Third Edition, CRC Press, New York, 2009, pp. 197–378. (**Citations: 48**)

1. Marinova K.G., E.S. Basheva, B. Nenova, M. Temelska, A.Y. Mirarefi, B. Campbell, I.B. Ivanov, Physico–chemical factors controlling the foamability and foam stability of milk proteins: Sodium caseinate and whey protein concentrates, Food Hydrocolloids 23(7) (2009) 1864–1876.
2. Pozrikidis C., Hydrostatic meniscus between two eccentric circular cylinders, J. Colloid Interface Sci. 349(1) (2010) 366–373.
3. Stocco A., D. Carriere, M. Cottat, D. Langevin, Interfacial behavior of catanionic surfactants, Langmuir 26(3) (2010) 10663–10669.
4. Hill A.I., C. Pozrikidis, On the shape of hydrostatic meniscus attached to a corrugated plate or wavy cylinder, J. Colloid Interface Sci. 356 (2011) 763–774.
5. Pozrikidis C., Shape of hexagonal hydrostatic menisci, International Journal for Numerical Methods in Fluids 65(6) (2011) 625–637.
6. Abdul-Fattah A.M., R. Oeschger, H. Roehl, I. Bauer Dalphin, M. Worgull, G. Kalmeyer, H.-C. Mahler, Investigating factors leading to fogging vials in lyophilized drug products, European Journal of Pharmaceutics and Biopharmaceutics 85(2) (2013) 314–326.
7. Leary T.F., Hydrodynamic and mass transfer properties of microfluidic geometries, PhD Thesis, Department of Chemical Engineering, City College, NY, 2013.
8. Zhang Y., A. Martin, P. Grassia, Prediction of thickenner performance with aggregate densification, Chemical Engineering Science 101 (2013) 346–358.
9. Dimitrova T.D., S. Cauvin, J.-P. Lecomte, A. Colson, Non-aqeuous, surfactant-free antifoam emulsions: properties and triggered release, Canadian Journal of Chemical Engineering 92(2) (2014) 330–336.
10. Fiet L.A., R.V. Contri, J.F. Bica, F. Figueiro, A.M.O. Batastini, S.S. Gutteres, A.R. Pohlmann, Labeling the oily core of nanocapsules and lipid-core nanocapsules with a triglyceride conjugated to a fluorescent dye as a strategy to particle tracking in biological studies, Nanoscale Research Letters 9(1) (2014) 1–11.
11. Garche H., K.F. Lam, B. Stinner, Diffuse interface modelling of soluble surfactants in two-phase flow, Communications in Mathematical Sciences 12(8) (2014) 1475–1522.
12. Gurkov T., B. Nenova, E. Kostova, W. Gaschler, Interfacial rheology of viscoelastic surfactant-polymer layers, in: Colloid and Interface Chemistry for Nanotechnology, Taylor & Francis (2014) 351–367.
13. Mchedlov-Petrossyan N.O., Adsorption of ionic surfactants on water/air interface: One more transformation of the Gibbs equation, Surface Enginnering and Applied Electrochemistry 50(2) (2014) 173–182.
14. Otsuki A., Y. Chen, Y. Zhao, Characterisation and beneficiation of complex ores for sustainable use of miceral resources: Refractory gold ore beneficiation as an example, International Journal of the Society of Material Engineering for Resources 20 (2014) 126–135.

15. Pan A., A.K. Rakshit, S.P. Moulik, Dwelling on the adsorption of surfactant at the air/water interface in relation to its states in the bulk: A comprehensive analysis, Colloids Surfaces A 464 (2014) 8–16.
16. Velikova G., I. Georgiev, M. Veneva, Effect of the precipitation of acid soap and alkanoic acid crystallites on the bulk pH, ESGI'104, Sofia, 2014.
17. Dieter-Kissling K., H. Marschall, D. Bothe, Direct numerical simulation of droplet formation processes under the influence of soluble surfactant mixture, Computers and Fluids 113 (2015) 93–105.
18. Dieter-Kissling K., H. Marschall, D. Bothe, Numerical method for coupled interfacial surfactant transport on dynamic surface meshes of general topology, Computers and Fluids 109 (2015) 168–184.
19. Kaptay G., Partial surface tension of components of solution, Langmuir 31(21) (2015) 5796–5804.
20. Karakashev S.I., S.K. Smoukov, Fast estimation of equilibrium adsorption constants of ionic surfactants with account for ion0specific effects, Colloids Surfaces A 467 (2015) 143–148.
21. Lech F.J., P.A. Wierenga, H. Gruppen, M.B.J. Meinders, Stability properties of surfactant-free films at different ionic strengths: Measurements and modelling, Langmuir 31(9) (2015) 2777–2782.
22. Meinders M.B.J., R.G.M. Van der Sman, Modeling foam stability, Computational Methods for Complex Liquid-Fluid Interfaces (2015) 503–528.
23. Ooi C.H., R.K. Vadivelu, J. St John, D.V. Dao, N.-T. Nguyen, Deformation of a floating liquid marble, Soft Matter 11(23) (2015) 4576–4583.
24. Otsuki A., G. Bryant, Characterization of the interactions within fine particles mixtures in highly concentrated suspensions for advanced particle processing, Advances in Colloid and Interface Science 226 (2015) 37–43.
25. Hristov J., A unified nonlinear fractional equation of the diffusion-controlled surfactant adsorptioin: Reappraisal and new solution of the Ward-Tordai problem, Journal of King Saud University – Science 28(1) (2016) 7–13.
26. Kharchenko A.Y., N.N. Kamneva, N.O. Mchedlov-Petrossyan, The properties and composition of the SDS-1-butanol mixed micelles as determined via acid-base indicators, Colloids and Surfaces A 507 (2016) 243–254.
27. Ooi C.H., C. Plachkowski, A.V. Nguyen, R.K. Vadivelu, J.A.S. John, D.V. Dao, N.-T. Nguyen, Floating mechanics of a small liquid marble, Scientific Reports 6 (2016) Art. No. 21777.
28. Ooi C. H., A.V. Nguyen, G.M. Evans, D.V. Dao, N.-T. Nguyen, Measuring the coefficient of friction of a small floaing liquid marble, Scientific Reports 6 (2016) Art. No. 38346.
29. Hahn A., ALE-FEM fort two-phase flows with surfactants, PhD Thesis, University Magdeburg, 2017.
30. Mchedlov-Petrossyan N.O., The Davies equation of state of ionic surfactant adsorbed monolayer and related problems, Colloids Surfaces A 537 (2018) 325–333.
31. Ooi C.H., J. Jin, K.R. Sreejith, A.V. Nguyen, G.M. Evans, Nguyen N.-T., Manipulation of a floating liquid marbel using dielectrophoresis, Lab on a Chip 18(24) (2018) 3770–3779.
32. Otsuki A., L. de Campo, C.J. Garvey, C. Rehm, H_2O/D_2O contrast variation for ultra-small-angle neutron scattering to minimize multiple scattering effects of colloidal particle suspensions, Colloid Interfaces 2(3) (2018) 37.
33. Sui R., C. Ju, W. Zhong, Q. Lin, Improwed wetting of Al_2O_3 by molten Sn with Ti addition at 973-1273 K, Journal of Allois and Compounds 739 (2018) 616–622.
34. Bickel T., Effect of surface active contaminants on radial thermocapillary flows, The Eutopean Physical Journal E 42 (2019) 131.
35. Maestro A., Tailoring the interfacial assembly of colloidal particles by engineering the mechanical properties oft he interface, Current Opinion in Colloid and Interface Science 39 (2019) 232–250.
36. Mchedlov-Petrossyan M.O., V.S. Farafonov, T.A. Cheipesh, et. al., In search of a optinal acid-base indicator fir examinating surfactant micelles: Spectrophotometric studies and moelcular dynamic simulations, Colloids Surfaces A 565 (2019) 97–107.
37. Otsuki A., Rheology of colloidal particle suspensions, Theology of Polymer Blends and Nanocomposites: Theory, Modelling and Applications (2019) 49–71.
38. Pikalova E.Y., E.G. Kalinina, Electrophoretic deposition in the solid oxide fuel cell technology: Fundamentals and recent advances, Renewable and Sustainable Energy Reviews 116 (2019) Art. No. 109440.
39. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
40. Grigoriev V.V., O. Iliev, P.N. Vabishchenko, Computational identification of adsorption and desorption parameters for pore scale transport in periodic porous media, Journal of Computational and Applied Mathematics 370 (2020) Art. No. 112661.
41. Manikantan H., T.M. Squires, Surfactant dynamics: Hidden variables controlling fluid flows, Journal of Fluid Mechanics 892 (2020) Art. No. P1.
42. Bois R., I. Pezron, A. Nesterencko, Dynamic interfacial properties of sugar-based surfactants: Experimental study and modeling, Colloid and Interface Science Communications 37 (2020) Art. No. 100293.

43. Rodriguez-Hernandez J., E. Bormashenko, Breath-fidures formation: Physcal aspects, Breath-Figures, Springer (2020) 13–49.
44. Lin Q., L. Wang, R. Sui, Wetting of A1N by motten Cu-8.6Zr-xTi ternary alloys at 1373 K, Acta Materialia 203 (2021) Art. No. 116488.
45. Vogel Y.B., C.W. Evans, M. Belotti, L. Xu, I.C. Russel, L.-J. Yu, A.K.K. Fung, N.S. Hill, N. Darwish, V.R. Goncales, M.L. Coote, K. Swaminathan Iyer, S. Ciampi, The corona of a surface bubble promotes electrochemical reaction, Nature Communications 11 (2020) Art. No. 6323.
46. Kudryavtsev P.G., Main routes of the porous composite materials creation, Nanotechnologies in Construction 12 (2020) 256–269.
47. Milkova V., Electrosteric stabilization of oil/water emulsions by adsorption of chitosan oligosaccharides—An electrokinetic study, Carbohydrate Polymers 265 (2021) Art. No. 118072.
48. Maestro A., P. Gutfreund, In situ determination of the structure and composition of Langmuir monolayers at the air/water interface by neutron and X-ray reflectivity and ellipsometry, Advances in Colloid and Interface Science (2021) Art. No. 102434.

142 S.C. Russev, N. Alexandrov, K.G. Marinova, K.D. Danov, N.D. Denkov, L. Lyutov, V. Vulchev, C. Bilke–Krause, Instrument and methods for surface dilatational rheology measurements, Rev. Scientific Instruments 79 (2008) Pap. No. 104102. (**Citations: 38**)

1. Loglio G., P. Pandolfini, R. Miller, F. Ravera, Optical observation of high–frequency drop oscillations by a spectrum compression technique to the capillary presure tensiometry, Langmuir 25(21) (2009) 12780−12786.
2. Rother P., Einfluss von Cyclodextrinen auf HPMC-stabilisierte Oil-in-Wasser Emulsionen, PhD Thesis, Tuebingen University, 2009.
3. Dollet B., Local description of the two–dimensional flow of foam through a contraction, Journal of Rheology 54(4) (2010) 741−760.
4. Ishii M., Surface dielectric relaxation: probing technique and its application to thermal activation dynamics of polymer surface, Rev. Scientific Instruments 81(9) (2010) Art. No. 093095.
5. Ravera F., G. Loglio, P. Pandolfini, E. Santini, L. Liggieri, Determination of the dilational viscoelasticity by the oscillating drop/bubble method in a capillary pressure tensiometer, Colloid Syrfaces A 365(1–3) (2010) 2–13.
6. Ravera F., G. Loglio, V.I. Kovalchuk, Interfacial dilational rheology by oscillating bubble/drop methods, Current Opinion in Colloid and Interface Science 15(4) (2010) 217−228.
7. Ангарска Ж., Д. Иванова, К. Щубенраух, Гибсова еластичност на адсорбционни слоеве от смесени разтвори на n-додецил-малтозид с додеканол, Годишник на Шуменския Университет „К. Преславски“ Природни науки, Химия, том XX B2, 2010.
8. Kovalchuk V.I., F. Ravera, L. Liggieri, G. Loglio, J. Javadi, N.M. Kovalchuk, J. Kragel, Studies in capillary pressure tensiometry and interfacial dilatational rheology, Bubble and Drop Interfaces, Progres in Colloid and Interface Science, Vol.2, 2011, 143−178.
9. Loglio G., P. Pandolfini, L. Liggieri, A.V. Makievski, F. Ravera, Determination of interfacial properties by the pendant drop tensiometry, in: Bubble and Drop Interfaces, Progres in Colloid and Interface Science, Vol.2, 2011, 7–38.
10. Murray B.S., Rheological properties of protein films, Current Opinion in Colloid and Interface Science 16(1) (2011) 27–35.
11. Sun H.-Q., L. Zhang, Z.-Q. Li, L. Zhang, L. Luo, S. Zhao, Interfacial dilatational rheology related to enhance oil recovery, Soft Matter 7 (2011) 7601−7611.
12. Tankovsky N., N. Zografov, Oscillations of a hanging liquid drop, driven by interfacial dielectric force, Zeitschrift fur Physikalische Chemie 225(4) (2011) 405−411.
13. Javadi A., J. Kragel, A.V. Makievski, V.I. Kovalchuk, N.M. Kovalchuk, N. Mucic, G. Loglio, P. Pandolfini, M. Karbaschi, R. Miller, Fast dynamic interfacial tension measurements and dilatational rheology of interfacial layers by using the capillary pressure technique, Colloid and Surfaces A 407(5) (2012) 159−168.
14. Mitropoulos V., Structure and mechanics of protein stabilized interfaces, PhD Thesis, ETH / Laboratory of Food Process Engineering, 2012.
15. Pelipenko J., J. Kristl, R. Rosic, S. Baumgartner, P. Kocbek, Interfacial rheology: an oberwiev of measuring teshniques and its role in dispersions and electrospinning, Acta Pharmaceutica 62(2) (2012) 123−140.
16. Verwjilen T., D.L. Leiske, P. Moldenaers, J. Vermant, G.G. Fuller, Extensional rheometry at interfaces: analysis of the Cambridge interfacial tensiometer, Journal of Rheology 56(5) (2012) 1225−1247.
17. Hobley L., A. Ostrowski, F.V. Rao, K.M. Bromley, M. Porter, A.R. Preskott, C.E. MacPhee, D.M.F. Van Aalten, N.R. Stanley-Wall, BslA in a self-assmebling bacterial hydrophobin that coats the Basillicus subtilis biofilm, PANS 110(33) (2013) 13600−13605.

18. Li Z., K. Geisel, W. Richtering, T. Ngai, Poly(N-isopropylacrylamide) microgels at the oil-water interface: adsorption kinetics, Soft Matter 9(41) (2013) 9939–9946.
19. Verwijlen T., P. Moldenaers, J. Vermant, A fixture for interfacial dilatational rheometry using a rotational rheometer, European Physical Journal: Special Topics 222(1) (2013) 83–97.
20. Gurkov T., B. Nenova, E. Kostova, W. Gaschler, Interfacial rheology of viscoelastic surfactant-polymer layers, in: Colloid and Interface Chemistry for Nanotechnology, Taylor & Francis (2014) 351–367.
21. Powell K.C., A. Chauhan, Interfacial tension and surface elasticity of carbon black (CB) covered oil-water interface, Langmuir 30(41) (2014) 12287–12296.
22. Richtering T., T. Ngai, Poly(N-isopropylacrylamide) microgels at the oil-water interface: temperature effect, Soft Matter 10(33) (2014) 6182–6191.
23. Samaniuk J.R., J. Vermant, Micro and macrorheology at fluid-fluid interfaces, Soft Matter 10(36) (2014) 7023–7033.
24. Zografov N., N. Tankovsky, A. Andreeva, Droplet oscillations driven by an electric field, Colloid Surfaces A 460 (2014) 351–354.
25. Colliat-Dangus P., Interfacial complexation of polymers: features and stability of millimetric emulsions, PhD Thesis, Universite Pierre et Marie Curie, 2015.
26. Kazemzadeh Y., S. Ehsan Eshraghi, S. Sourani, M. Reyhani, An interface-analysing technique to evaluate the heavy oil swelling in presence of nickel oxide nanoparticles, Journal of Molecular Liquids 211 (2015) 553–559.
27. Kotula A.P., S.I. Anna, Regular perturbation analysis of small amplitude oscillatory dilatation of an interface in a capillary pressure tensiometer, Journal of Rheology 59(1) (2015) 85–117.
28. Zhang W., P.R. Waghmare, L. Chen, Z. Xu, S.K. Mitra, Interfacial rheological and wetting properties of deamidated barley proteins, Food Hydrocolloids 43(1) (2015) 400–409.
29. Jiang L., S. Li, W. Yu, J. Wang, Q. Sun, Z. Li, Interfacial study on the interaction between hydrophobic nanoparticles and ionic surfactants, Colloids and Surfaces A 488 (2016) 20–27.
30. Powel K.C., A. Chauhan, Dynamic interfacial tension and dilatational rheology of dispersant Corexit 9500, Colloids and Surfaces A 497 (2016) 352–361.
31. Stadelr D., M.J. Hofmann, H. Motschmann, M. Shamonin, Automated system for measuring the surface dilatational modulus of liquid-air interface, Measurement Science and Technology 27(6) (2016) Art. No. 065301.
32. Yu K., J. Yang, Y.Y. Zuo, Automated drop manipulation using closed-loop axysimmetric drop shape analysis, Langmuir 32(19) (2016) 4820–4826.
33. Pajic-Lijakovic I., M. Milivojevic, Successive relaxation cycles during long-time cell aggregate rounding after uni-axial compression, Journal of Biological Physics 43(2) (2017) 197–209.
34. Bentz K.C., N. Sultan, D.A. Savin, Quantitative relationship between cavitation and shear rheology, Soft Matter 14(41) (2018) 8395–8400.
35. Hegemann J., s. Knoche, S. Egger, M. Kott, S. Demand, A. Unverfehrt, H. Rehage, Pendant capsule elastometry, Journal of Colloid and Interface Science 513 (2018) 549–565.
36. Yang J., K. Yu, T. Tsuji, R. Jha, Y.Y. Zuo, Determining the surface dilatational rheology of surfactant and protein films with a droplet waveform generator, Journal of Colloid and Interface Science 537 (2019) 547–553.
37. Zografov N., Resonant droplet tensiometry driven by an electric field, AIP Conference Proceedings 2075 (2019) Art. No. 160016.
38. G. Subbiahdoss, E. Reimhult, Biofilm formation at oil-water interfaces is not a simple function of bacterial hydrophobicity, Colloids Surfaces B 194 (2020) Art. No. 111163.

141 P.A. Kralchevsky, M.P. Boneva, K.D. Danov, K.P. Ananthapadmanabhan, A. Lips, Method for analysis of the composition of acid soaps by electrolytic conductivity measurements, J. Colloid Interface Sci. 327 (2008) 169–179. (**Citations: 7**)

1. Qu X., L. Wang, S.I. Karakashev, A.V. Nguyen, Anomalous thickness variation of the foam films stabilized by weak non–ionic surfactants, Journal of Colloid and Interface Science 337(2) (2009) 538–547.
2. van Nispen S.F.G.M., J.P.A. Custers, L.J.P. van den Broeke, J.T.F. Keurentjes, Characterization of the binding of multivalent ions to modified pluronic micelles by isothermal titration calorimetry and modified conductometry, Colloid and Surfaces A: Physicochemical end Enggineering Aspects 361(1–3) (2010) 38–44.
3. Eckert K., M. Acker, R. Tadmouri, V. Pimienta, Chemo-Marangoni convection driven by an interfacial reaction: Pattern formation and kinetics, Chaos 22(3) (2012) Art. No. 037112.
4. Sagitani J., Stability conditions and mechanism of cream soaps: role of glycerol, Journal of Oleo Science 63(4) (2014) 365–372.

5. Sagitani H., M. Komoriya, Stability conditions and mechanism of cream soaps: effect of polyols, Journal of Oleo Science 64(8) (2015) 809–816.
6. Li F., M. Chen, W. Zhang, Effect of binary/ternary fatty acids ratio and glycerin on the phase behaviors of soap solutions, Journal of Surfactants and Detergents 20(2) (2017) 425–434.
7. Shah R.A., R. Masrat, M.S. Lone, S. Afzal, U. Ashraf, G.M. Rather, A.A. Dar, Solution properties and micellization behaviour of binary mixtures of sodium salts of N-tetradeconyl alanine and N- tetradeconyl phenylalanine surfactants, Journal of Molecular Liquids 248 (2019) 569–576.

140 P.A. Kralchevsky, K.D. Danov, J.K. Angarska, Reply to comment on "Hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: effect of electrolyte", Langmuir 24 (2008) 2953–2953. (**Citations: 5**)

1. Wang L., Drainage and rupture of thin goam films in the presence of ionic amd non-ionic surfactants, Int. Journal of Mineral Processing 102–103 (2012) 58–68.
2. Li E.Q., Vakarelski I.U., D.Y.C. Chan, S.T. Thoroddsen, Stabilization of thin liquid films by repulsive van der Waals force, Langmuir 30(18) (2014) 5162–5169.
3. Lech F.J., P.A. Wierenga, H. Gruppen, M.B.J. Meinders, Stability properties of surfactant-free films at different ionic strengths: Measurements and modelling, Langmuir 31(9) (2015) 2777–2782.
4. Peng M., T.T. Duignan, A.V. Nguyen, Significant effect of surfactant adsorotion layer thisckness in equilibrium foam films, Journal of Physical Chemistry B 124 (2020) 5301–5310.
5. Chatzigiannakis E., J. Vermant, Breakup of thin liquid films: From stochastic to deterministic, Physical Review Letters 125 (2020) Art. No. 158001.

139 N.C. Christov, K.D. Danov, D.K. Danova, P.A. Kralchevsky, The drop size in membrane emulsification determined from the balance of capillary and hydrodynamic forces, Langmuir 24 (2008) 1397–1410. (**Citations: 27**)

1. Choi C.H., J.H. Jung, T.S. Hwang, C.S. Lee, In situ microfluidic synthesis of monodisperse PEG microspheres, Macromolecular Research 17(3) (2009) 163–167.
2. Giorno L., G. de Luca, A. Figali, E. Piacentini, E. Drioli, Membrane emulsification: principles and applications, In: Membrane Operations: Innovative Separations and Transformations, Drioli E. and Giorno E., Eds. Wiley–VCH, New York, 2009.
3. Jung J.H., C.H. Choi, T.S. Hwang, C.S. Lee, C.S., Efficient in situ production of monodisperse polyurethane microbeads in microfluidic device using increase of residence time of droplets, Biochip Journal 3(1) (2009) 44–49.
4. Peinemann K.-V., S.P. Nunes, L. Giorno, H.S. Ribeiro, J.J.M. Janssen, I. Kobayashi, M. Nakajima, Membrane emulsification for food application, in: Membrane Technology, Vol. 3, Ch. 7, 2010.
5. Timgren A., G. Tragardh, C. Tragardh, A model for drop size prediction during cross–flow emulsification, Chemical Engineering Research and Design 88(2) (2010) 229–238.
6. Zhang Y., Microfluidics: fabrication, droplets, bubbles and nanofludics synthesis, PhD Thesis, Hong Kong University, 2010.
7. Liu W., X.–L. Yang, W.S. Winston Ho, Preparation of uniform–sized multiple emulsions and micro/nano particulates for drug delivery by membrane emulsification, Journal of Pharmaceutical Sciences 100(1) (2011) 75–93.
8. Vladisavljevic G.T., Emulgovanje primenom microporznih membrana, Voinotehnichki glasnik 59(4) (2011) 62–78.
9. Zhang Y.X., L.Q. Wang, Microfluidics: Fabrication, Droplets, Bubbles and Nanofludics Systems, Advances in Transport Phenomena, Vol. 2, 2011, 171–294.
10. Suarez M.A., Emulsificación con membranas: emulsiones monodispersas y parámetros de paso de escala, PhD Thesis, Universitat de Oviedo, Spain, 2012.
11. Suarez M.A., J. Coca, C. Pazos, Membrane emulsification: factors influencing the size and distribution of drops, Ingenieria Quimica (Spain) 44(505) (2012) 58–73.
12. Vladisavljevic G.T., I. Kobayashi, M. Nakajima, Production of uniform droplets using membrane, microchannel, and microfluidic emuslification devices, Microfluidics and Nanofluidics 13(1) (2012) 151–178.
13. Dangla R., E. Fradet, Y. Lopez, C.N. Baroud, The physical mechanisms of step emulsification, Journal of Physics D 46(11) (2013) Art. No. 114003.
14. Suarez M.A., G. Gultierrez, J. Coca, C. Pazos, Stirred tank membrane emulsification using flat metallic membranes: a dimensional studies, Chemial Engineering ans Processing: Process Intensification 69 (2013) 31–43.
15. Vladisavljevic G.Y., I. Kobayashi, M. Nakajima, Emulsion formation in membrane and microfluidic devices, Emulsion Formation and Stability 2013, 77–98.

16. Imbrogno A., E. Piacentini, L. Giorno, Micro and nano polycaprolactone particles preparation by pulsed back-and-forward cross-flow batch membrane emulsification for parenteral administration, International Journal of Pharmaceutics 477(1-2) (2014) 344–350.
17. Joseph S., H. Bunjes, Evaluation of shirasu porous glass (SPG) membrane emulsification for the preparation of colloidal lipid drug carrier dispersions, European Journal of Pharmaceutics and Biopharmaceutics 87(1) (2014) 187–186.
18. Kazazi-Hyseni F., M. Landin, A. Lathuile, G.J. Veldhuis, S. Rahimian, W.E. Hennink, R.J. Kok, C.F. van Nostrum, Computer modeling assisted design of monodisperse PLGA microspheres with controlled porosity affords zero order release of an encapsulated macromolecule for 3 months, Pharmaceutical Research 31(10) (2014) 2844–2856.
19. Josephides D.N., Optimising monodisperse emulsion creation, PhD Thesis, King's College London, 2015.
20. Zawala J., K. Szczepanowicz, P. Warszynski, Theoretical and experimental studies of drop size in membrane emulsification – Single pore studies of hydrodynamic detachment of droplets, Colloids and Surfaces A 470 (2015) 297–305.
21. Amstad E., M. Chemama, M. Eggersdorfer, L.R. Arriaga, M.P. Brenner, D.A. Weitz, Robust scalable high throughput production of monodisperse drops, Lab on a Chip – Manipulation for Chemistry and Biology 16(21) (2016) 4163–4172.
22. Bunjes H., C.C. Muller-Goymann, Microsystems for Emulsification, in: A. Dietzel (ed.) Microsystems for Pharmatechnology, Springer, 2016, 153–179.
23. Hong Y., Z. Li, Z. Gu, Y. Wang, Y. Pang, Structure and emulsification properties of octenyl succinic starch using acid-hydrolized method, Starch-Starke 69(1-2) (2017) Art. No. 1600039.
24. Van Rijn C.J.M., W.G.N. Van Heugten, Droplet formation by confined liquid threads inside mictochannels, Langmuir 33(28) (2017) 10035–10040.
25. Zhu P., L. Wang, Passive and active droplet generation with microfluidics: a review, Lab on a Chip 17(1) (2017) 34–75.
26. Mugabi J., N. Igura, M. Shimoda, Effect of process parameters on oil-in-water emulsion droplet size and distribution in swirl flow membrane emulsification, Journal of Chemical Engineering of Japan 51(3) (2018) 229–236.
27. Zhang H., S. Ryu, Drop generation in cross-flow of liquid rotating in rigid body motion, Journal of Fluid Engineering, Transactions of the ASME 142 (2020) Art. No. 104501.

138 K.D. Danov, D.K. Danova, P.A. Kralchevsky, Hydrodynamic forces acting on a microscopic emulsion drop growing at a capillary tip in relation to the process of membrane emulsification, J. Colloid Interface Sci. 316(2) (2007) 844–857. (**Citations: 16**)

1. Charcosset C., Recent advances in membrane processes for the preparation of emulsion and particles, Biotechnology: Research, Technology and Applications (2008) 253–276.
2. Simulation of two phase flow in rotating microchanels, 1(1) (2008) 1–51.
3. Giorno L., G. De Luca, A. Figali, E. Piacentini, E. Drioli, Membrane emulsification: principles and applications, In: Membrane Operations: Innovative Separations and Transformations, Drioli E. and Giorno E., Eds. Wiley–VCH, New York, 2009.
4. Xie F., T.-W. Wang, Preparation of monodispersed porous polystyrene microspheres by using membrane emulsification technique, Journal of Nanjiing University of Technology 31(6) (2009) 68–72.
5. Xie F., T.-W. Wang, X. Xiao, Progress of study on preparation of polymeric microspheres by using membrane emulsification technique, Modern Plastics Processing and Applications 21(4) (2009) 59–63.
6. Peinemann K.-V., S.P. Nunes, L. Giorno, H.S. Ribeiro, J.J.M. Janssen, I. Kobayashi, M. Nakajima, Membrane emulsification for food application, in: Membrane Technology, Vol. 3, Ch. 7, 2010.
7. Shimoda M., N. Miyamae, K. Nishiyama, T. Yuasa, S. Noma, N. Igura, Swirl–flow membrane emulsification for high throughput of dispersed phase flux through shirasu porous glass (SPG) membrane, Journal of Chemical Engineering of Japan 44(1) (2011) 1–6.
8. Catherine C., Membrane Processes in Biotechnology and Pharmaceutics (2012) 336 p.
9. Suarez M.A., Emulsificación con membranas: emulsiones monodispersas y parámetros de paso de escala, PhD Thesis, Universitat de Oviedo, Spain, 2012.
10. Suarez M.A., J. Coca, C. Pazos, Membrane emulsification: factors influencing the size and distribution of drops, Ingenieria Quimica (Spain) 44(505) (2012) 58–73.
11. Ghorbani H.R., V. Ghorbani, Numerical simulation of drop formation at submerged orifice in liquid, Asian Journal of Chemistry 25(3) (2013) 1391–1393.
12. Matos M., M.A. Suarez, G. Gutierrez, J. Coca, C. Pazos, Emulsification with microfiltraion ceramic membranes: a different approach to droplet formation mechanism, Journal of Membrane Science 444 (2013) 345–358.

13. Pawlik A.K., I.T. Norton, SPG rotating membrane technique for production of food grade emulsions, Journal of Food Engineering 114(4) (2013) 530–537.
14. Cao W., H. Luan, H. Wang, Application of membrane emulsification to pharmacy, Chinese Journal of Pharmaceuticals 45(6) (2014) TB43.
15. Spyropoulos F., D. M. Lloid, R. D. Hancocks, A. K. Pawlik, Advances in membrane emulsification. Part B: Recent developments in modelling and scale-up approaches, Journal of the Science of Food and Agriculture 94(4) (2014) 628–638.
16. Zawala J., K. Szczepanowicz, P. Warszynski, Theoretical and experimental studies of drop size in membrane emulsification – Single pore studies of hydrodynamic detachment of droplets, Colloids and Surfaces A 470 (2015) 297–305.

137 M.P. Boneva, N.C. Christov, K.D. Danov, P.A. Kralchevsky, Effect of electric–field–induced capillary attraction on the motion of particles at an oil–water interface, Phys. Chem. Chem. Phys. 9 (2007) 6371–6384. (**Citations: 27**)

1. McGorty R., J. Fung, D. Kaz, V.N. Manoharan, Collodial self–assembly at an interface, Materials Today 13(6) (2010) 34–42.
2. Wagner C.S., B. Fischer, M. May, A. Wittemann, Templated assembly of polymer particles into mesoscopic clusters with well–defined configurations, Colloid and Polymer Science 288(5) (2010) 487–498.
3. Masram D.T., K.P. Kariya, N.S. Bhave, Physicochemical study of resin derived from p-hydroxybenzoic acid, diaminobenzoic acid with formaldehyde and its electrical conductivity study, Chemistry Journal 1(1) (2011) 1–8.
4. Masschaele K., Vermant J., Electric field controlled capillary traps at water/oil interfaces, Soft Matter 7(22) (2011) 105971–10600.
5. Sinha A., A.K. Mollah, S. Hardt, R. Ganguly, Particle dynamics and separation at liquid-liquid interfaces, Soft Matter 9(22) (2013) 5438–5447.
6. Maestro A., Guzman E., Ortega F., Rubio R.G., Contact angle of micro- and nanoparticles at fluid interfaces, Current Oppinion in Colloid and Interface Science 19(4) (2014) 355–367.
7. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
8. Fan W., M. Chen, S. Yang, L. Wu, Centrifugation-assisted assembly of coloidal silica into crack-free and transferrable films with tunable crystalline sturctures, Scientific Reports 5 (2015) No. 12100.
9. Frampton J.P., B.M. Leung, E.L. Bigham, S.C. Lesher-Perez, J.D. Wang, H.T. Sarhan, M.E.H. El-Sayed, S.E. Feinberg, S. Takayama, Rapid self assembly of macroscale tissue constructs at biphasic aqueous interfaces, Advanced Functional Materials 25(11) (2015) 1694–1699.
10. Kassuga T.D., J.P. Rothstein, Buckling of particle-laden interfaces, J. Colloid Interface Science 448 (2015) 287–296.
11. Kassuga T.D., J.P. Rothstein, The effect of shear and confinement on the buckling of particle-laden interfaces, Journal of Physics Condensed Matter 28(2) (2015) Art. No. 025101.
12. Maestro A., E. Santini, D. Zabiegaj, S. Liamas, F. Ravera, L. Liggieri, F. Ortega, R.G. Rubio, E. Guzman, Particle and particle-surfactant mixtures at fluid interfaces: Assembly, morphology, and rheological description, Advances in Condensed Matter Physics 2015 (2015) Art. No. 917516.
13. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
14. Cappelli S., A.M. De Jong, J. Baudry, M.W.J. Prins, Interparticle capillary forces at fluid-fluid interface with strong polymer-induced aging, Langmuir 33 (2017) 696–705.
15. Kang D.W., M. Lee, K.H. Kim, M. Xia, S.H. Im, B.J. Park, Electrostatic interactions between particles through heterogeneous fluid phases, Soft Matter 13(37) (2017) 6647–6658.
16. Lee D.-G., P. Cicuta, D. Vella, Self-assembly of repulsive interfacial particles via collective sinking, Soft Matter 13(1) (2017) 212–221.
17. Zuo Z., J. Wang, Y. Huo, R. Xu, Characteristics o fparticles deposited on a single free-fall charged droplet, Aerosol Science and Technology 51(3) (2017) 258–268.
18. Laal Dehghani N., R. Khare, G.F. Christopher, 2D stokesian approach to modeling flow induced deformation of particle laden interfaces, Langmuir 34(3) (2018) 904–916.
19. Pham A.T., Phase transitions, crystal growth, and dynamics of dislocations in colloidal monolayers, PhD Thesis, Department of Mechanical Engineering and Material Scienc, Duke University, 2018.
20. Das S., J. Koplik, R. Farinato, D.R. Nagaraj, C. Maldarelli, P. Somasundaran, The translation and rotational dynamics of a colloid moving along the air-liquid interface of a thin film, Scientific Reports 8 (2018) Art. No. 8910.

21. Maestro A., E. Santini, E. Guzman, Physico-chemical foundarion of particle-laden fluid interfaces, The European Physical Journal E August (2018) 41–97.
22. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
23. Feng X., H. Dai, L. Ma, Y. Fu, Y. Yu, H. Zhou, T. Guo, H. Zhu, H. Wang, Y. Zhang, Properties of Pickering emulsion stabilized by food-grade gelatin nanoparticles: influence of the nanoparticles concentration, Colloids and Surfaces B 196 (2020) Art. No. 111294.
24. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
25. Hermauer J., M. Qiu, J.J. Feng, J.-C. Loudet, Particle rotation speeds up capillary interactions, The Eouropean Physical Journal E 44 (2021) Art. No. 30.
26. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.
27. Zhao H., J. Li, S. Yang, J. Liu, W. Liu, Molecular dynamics study of structural properties of refining slag with various CaO/Al_2O_3 ratios, Materials 11 (2021) Art. No. 398.

136 I.B. Ivanov, K.G. Marinova, K.D. Danov, D. Dimitrova, K.P. Ananthapadmanabhan, A. Lips, Role of the counterions on the adsorption of ionic surfactants, Adv. Colloid Interface Sci. 134–135 (2007) 105–124. (**Citations: 45**)

1. Karakashev S.I., A.V. Nguyen, J.D. Miller, Equilibrium adsorption of surfactants at the gas–liquid interface, Advances in Polymer Science 218(1) (2008) 25–55.
2. Lima E.R.A., M. Bostrom, D. Horinek, E.C. Biscaia Jr., W. Kunz, F.W. Tavares, Co–ion and ion competition effects: ion distributions close to a hydrophobic solid surface in mixed electrolyte solutions, Langmuir 24 (2008) 3944–3948.
3. Leontidis E., A. Aroti, L. Bellioni, Liquid expanded monolayers of lipids as model systems to understand the anionic hofmeister series: 1. A tale of models, Journal of Physical Chemistry B 113(5) (2009) 1447–1459.
4. Maiti K., D. Mitra, S. Guha, S.P. Mulik, Salt effect on self–aggregation of sodium dodecylsulfate (SDS) and tetradecyltrimethylammonium bromide (TTAB): Physicochemical correlation and assessment in the light of Hofmeister (lyotropic) effect, Journal of Molecular Liquids 146(1–2) (2009) 44–51.
5. Paeslak R., Tensidbeeinflusster Metallionendurchtritt durch Flüssig-flüssig-Phasengrenzen im elektrischen Feld, PhD Thesis, Freiburg TU, 2009.
6. Aleiner G.S., O.G. Ys'yarov, Electrical double layer at ionic surfactant solution–air interface, Colloid Journal 72(6) (2010) 731–736.
7. Imai Y., K. Shimamoto, T. Takiue, H. Matsubara, M. Aratono, Study on surface adsorption from cationic surfactant–electrolyte mixed aqueous solution including BF (4) (–) ion, Colloid and Polymer Science 288(9) (2010) 1005–1011.
8. Leite E.F., Sínteses e propriedades físico-químicas de novos tensoativos a base de oleaginosas brasieliras, MSc Thesis, Escola de Engenharia de Lorena, 2010.
9. Skrzela R., G. Para, P. Warszynski, K.A. Wilk, Experimental and theoretical approach to nonequivalent adsorption of novel dicephalic ammonium surfactants at the air/solution interface, Journal of Physical Chemistry B 114(32) (2010) 10471–10480.
10. Wojciechowski K., M. Kucharek, W. Wroblewski, P. Warszynski, On the origin of the Hofmeister effect in anion–selective potentiometric electrodes with tetraalkylammonium salts, Journal of Electroanalytical Chemistry 638 (2010) 204–211.
11. De Ruiter R., R.W. Tjerkstra, M.H.G. Duits, F. Mugele, Influence of cationic composition and pH on the formation of metal stearates at oil-water interfaces, Langmuir 27(14) (2011) 8738–8747.
12. Li H.H., Y. Imai, M. Yamanaka, Y. Hayami, T. Takiue, H. Matsubara, M. Aratono, Specific counterion effect on the adsorbed film of cationic surfactant mixtures at the air/water interface, J. Colloid Interrface Science 359(1) (2011) 189–193.
13. Middleton S.R., N.R. Pallas, J. Mingins, B.A. Pethica, Thermodynamics of ionized monolayers: Surface manometry on very low density spread monolayers of sodium octadecyl sulfate at the air/water interface and analysis of ionic double layer contributions to the isotherms, Journal of Physical Chmisitry C 115(16) (2011) 8056–8063.
14. Rujirawanich V., S. Chavadej, J.H. O'Haver, R. Rujiravanit, Removal of trace Cd^{2+} using continuous multistage ion foam fractionation. Part III-Effect of salt addition, Colloids and Surfaces A 385(1–3) (2011) 171–180.
15. Striolo A., From interfacial water to macroscopic observables: A review, Adsorption Science and Technology 29(3) (2011) 211–258.
16. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.

17. Imai Y., H. Takumi, H. Tanida, I. Watanabe, T. Takiue, H. Matsubara. M. Aratono, Study of the distribution of binary mixed counterions in surfactant adsorbed films by total reflection XAFS measurements, J. Colloid Interface Science 388(1) (2012) 219–224.
18. Li Z., Y. Pang, Y. Ge, X. Giu, Adsorption of different molecular weight lignosulfonates on dimethomorph powder in an aqueous system, Journal of Industrial and Engineering Chemistry 18(1) (2012) 532–537.
19. Peterskova M., C. Valderrama, O. Gibert, J.L. Cortina, Extraction of valuable metal ions (Cs, Rb, Li, U) from reverse osmosis concentrate using selective sorbents, Desalination 286 (2012) 316–323.
20. Slavshov R., J.K. Novev, Surface tension of concentrated electrolyte solutions, Journal of Colloid and Interface Sci. 387(1) (2012) 234–243.
21. Imai Y., H. Li, T. Takiue, H. Matsubara, M. Aratono, Solvatation structure of counterion of ionic liquids at water wurface by total reflection XAFS, Anal Sci 34(4) (2013) 179–184.
22. Mucic N., A. Javadi, M. Karbashi, A. Shapirova, V. Fainerman, E. Aksenenko, N. Kovalchuk, R. Miller, Surfactant adsorption kinetics, Encyclopedia of Colloid and Interface Science, 2013, 1090–1126.
23. Saien J., F. Moghaddamnia, M. Mishi, Simultaneous influence of uni-univalent salt aqueous solutions and sodium dodecyl sulfate surfactant on interfacial tension of toluene-water, Korean Journal of Chemical Engineerign 30(5) (2013) 1125–1130.
24. Behera M.R., S.R. Varade, P. Ghosh, P. Paul, A.S. Negi, Foaming in micellar solutions: Effects of surfactants, salts, and oil concentrations, Industrial and Engineering Chemistry Research 53(48) (2014) 18497–18507.
25. Imai Y., Specific ion effects on counterion distribution in surfactant adsorbed films studied through surface tensiometry and total reflection XAFS, PhD Thesis, Kioto University, 2014.
26. Karakashev S.I., How to determine the adsorption energy of the surfactant's hydrophilic head? How to estimate easily the surface activity of every simple surfactant? J. Colloid Interface Sci. 432 (2014) 98–104.
27. Nguyen K.T., A.V. Nguyen, In situ investigation of halide co-ion effects on SDS adsorption at air-water interface, Soft Matter 10(34) (2014) 6558–6563.
28. Roche M., Z. Li, I.M. Griffiths, S. Le Roux, I. Cantat, A. Saint-Jalmes, H.A. Stone, Marangoni flow of soluble amphiphiles, Physical Review Letters 112(20) (2014) Art. No. 208302.
29. Wojciechowski K., Hoffmeister effect in ion-selective electrodes from the fluid-fluid interface perspective, in: Colloid and Interface Chemistry for Nanotechnology, 2014, 369–405.
30. Zhang H.Y. Influence of bivalent ion on oil/water interfacial properties, Advanced Materials Research 1033–1034 (2014) 486–490.
31. Gabdrachmanov D., D. Samarkina, V. Semenov, V. Syakev, R. Giniatulin, N. Gogoleva, V. Reznik, S. Latypov, A. Konovalov, A. Pokrovsky, Y. Zuev, L. Zakharova, Novel dicationic pyrimidinic surfactant: Self-assembly and DNA complexion, Colloid Surfaces A 480 (2015) 113–121.
32. Karakashev S.I., S.K. Smoukov, Fast estimation of equilibrium adsorption constants of ionic surfactants with account for ion-specific effects, Colloids Surfaces A 467 (2015) 143–148.
33. Sett S., S.I. Karakashev, S.K. Smoukov, A.I. Yarin, Ion-specific effects in foams, Advances in Colloid and Interface Science 225 (2015) 98–113.
34. Zhong H., L. Yang, G. Zeng, M.L. Brusseau, Y. Wang, Y. Li, Z. Liu, X. Yuan, F. Tan, Aggregate-based sub-CMC solubilisation of hexadecane by surfactants, RSC Advances 5(95) (2015) 78142–78149.
35. Peshkova T.V., I.L. Minkov, R. Tsekov, R.I. Slavchov, Adsorption of ions at uncharged insoluble monolayers, Langmuir 32(35) (2016) 8858–8871.
36. Shahir A.A., A.V. Nguyen, S.I. Karakashev, A quantification of immersion of the adsorbed ionic surfactants at liquid/fluid interfaces, Colloid Surfaces A 509 (2016) 279–292.
37. Wojciechowski K., Hofmeister effect in ion-selective electrodes from the fluid-fluid interface perspective, Colloid and Interface Chemistry for Nanotechnology 2016 369–401.
38. Martinez-Balbuena L., A. Arteaga-Jimenez, E. Fernandes-Zapata, C. Martinez-Beltran, Applicability of the Gibbs adsorption isotherm to the analysis of experimental surface-tension data for ionic and nonionic surfactants, Advances in Colloid and Interface Science 247 (2017) 178–184.
39. Zhang C., T. Geng, Y. Jiang, L. Zhao, H. Ju, Y. Wang, Impact of NaCl concentration on equilibrium and dynamic surface adsorption of cationic surfactants in aqueous solution, Journal of Molecular Liquids 238 (2017) 423–429.
40. Zhang C., Y. Jiang, H. Ju, Y. Wang, T. Geng, Lipophilic counterion effect on aggregation and adsorption behavior of quaternary ammonium surfactants, Journal of Dispersion Science and Technology 38 (2017) 1817–1823.
41. Hofmann M.J., Studies of ionic surfactant systems using surface rheology with a focus on the oscillating bubble technique, PhD Thesis, Regensburg University, Germany, 2018.
42. Karakashev S.I., M. Firuozi, J. Wang, L. Alexandrova, A.V. Nguyen, On the stability of thin films of pure water, Advances in Colloid and Interface Science 268 (2019) 82–90.
43. Sagir M., M. Mushtag, M.S. Tahir, M.B. Tahir, A.R. Shaik, Chalenges of chemical EOR, Surfactants for Enhanced Oil Recovery Applications, Springer (2020) 117–129.

44. Karakashev S.I., N.A. Grozev, The law of Parsemony and the negative charge of the bubbles, Coatings 10 (2020) Art. No. 1003.
45. Gabovich A.M., A.I. Voitenko, electrostatic image force energy for charges in three-layers structures: Exact formulas and their approximations, Journal of Physics Condensed Matter 33 (2021) Art. No. 205002.

135 V.K. Badam, V. Kumar, F. Durst, K.D. Danov, Experimental and theoretical investigations on interfacial temperature jumps during evaporation, Experimental Thermal and Fluid Sci. 32 (2007) 276–292. (**Citations: 112**)

1. Das K.S., Steady parallel flow in an evaporating fluid heated from sidewalls, Physica B 404 (2009) 3986–3990.
2. Duan F., C.A. Ward, Investigation of local evaporation flux and vapor–phase pressure at an evaporative droplet interface, Langmuir 25(13) (2009) 7424–7431.
3. Genceli F.E., M.R. Pascual, S. Kjelstrub, G.J. Witkamp, Coupled heat and mass transfer during crystallization of MgS04 7H2O on a cooled surface, Crystal Growth and Design 9(3) (2009) 1318–1326.
4. Glavatskiy K., Multi-component interfacial transport as described by the square gradient model: evaporation and condensation, PhD Thesis, Norwegian University of Science and Technology, Faculty of Natural Sciences and Technology, 2009.
5. Jafarnejad A., Exploration of the effects of pressure and temperature on the evaporation rate of selected liquids, PhD Thesis, University of Alberta, Canada, 2009.
6. Thompson I., F. Duan, C.A. Ward, Absence of Marangoni convection at Marangoni numbers above 27,000 during water evaporation, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 80(5) (2009) art. No. 056308.
7. Zao J.–F., Z.–D. Li, Z.–H. He, Note on jump conditions across liquid–gas interface with phase change, Kung Cheng Je Wu Li Hsueh Pao/Journal of Engineering Thermophysics 30(11) (2009) 1942–1945.
8. Bargery A.S., S.J. Lane, A. Barrett, L. Wilson, J.S. Gilbert, The initial responses of hot liquid water released under low atmospheric pressures: Experimental insights, Icarus 210(1) (2010) 488–506.
9. Das K.S., B.D. MacDonald, C.A. Ward, Stability of evaporating water when heated through the vapor and the liquid phases, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 81(3) (2010) art. No. 036318.
10. Duan F., Experimental study of water evaporation enhanced by surface heating, 14th International Heat Transfer Conference, IHTC14, 2010, Washington, 797–802.
11. Ghasemi H., C.A. Ward, Energy transport by thermocapillary convection during sessile–water–droplet evaporation, Phys. Rev. Letters 105(13) (2010) Art. No. 136102.
12. Glavatskiy K.S., D. Bedeaux, Transport of heat and mass in a two–phase mixture: From a continuous to a discontinuous description, Journal of Chemical Physics 133(14) (2010) Art. No. 144709.
13. Pan Z., H. Wang, Symmetry–to–asymmetry transition of Marangoni flow at a convex volatizing meniscus, Microfluidics and Nanofluidics 9(4–5) (2010) 657–669.
14. Persad A.H., C.A. Ward, Statistical rate theory examination of ethanol evaporation, Journal of Physical Chemistry B 114(18) (2010) 6107–6116.
15. Persad A.H., C.A. Ward, Statistical rate theory examination of ethanol evaporation, 61st International Astronautical Congress 2010, IAC 2010, 8 (2010) 6724–6734.
16. Widiyastuti W., R. Balgis, F. Iskandar, K. Okuyama, Nanoparticle formation in spray pyrolysis under low–pressure conditions, Chemical Engineering Science 65(5) (2010) 1846–1854.
17. Yu Q., S. Cai, Z. Zhu, Q. Liu, B. Zhou, Droplet image feedback control system in evaporation experiment, Microgravity Science and Technology 22(2) (2010) 139–144.
18. Zhou J., C. Shao, G.U. Boqin, Estimation of temperature jump at a solid liquid boundary of a nanoscale heat transfer system, 2010, paper.edu.cn.
19. Ghasemi H., Sessile water droplets: Equilibrium and evaporation, PhD Thesis, Department of Mechanical and Industrial Engineering, Toronto University, Canada, 2011.
20. Glavatskiy K., Multicomponent interfacial transport described by the square gradient model during evaporation and concensation introduction, Springer Theses – Recognizing Outstanding PhD Research, 2011, 1–15.
21. MacDonald B.D., C.A. Ward, Onset of Marangoni convection for evaporating liquids with spherical interfaces and finite boundaries, Phys. Rev. E 84(4) (2011) Art. No. 046319.
22. Persad A.H., C.A. Ward, Expressions for the eveporation and condensation coefficients in the Hertz-Knudsen relation, 62nd International Astronautical Congress 2011, IAC 2011;Cape Town; 3-7 October 2011;Code91159.
23. Ranjan R., J.Y. Murthy, S.V. Garimella, U. Vadakkan, A numerical model for transport in flat heat pipes considering wick microstructure effects, International Journal of Heat and Mass Transfer 54(1–3) (2011) 153–168.

24. Safiane K., M.E.R. Shanahan, M. Antoni, Wetting and phase change: Opportunities and challenges, Current Opinion in Colloid and Interface Science 16(4) (2011) 317–325.
25. Ancellin M., L. Brosset, J.-M. Ghidaglia, Influence of phase transition on sloshing impact pressures described by a generalized Bagnold's model, Proceeding of the International Offshore and Polar Engineering Conference 2012 300–310.
26. Savin T., K.S. Glavatskiy, S. Kjelstrub, H.C. Ottinger, D. Bedeaux, Local equilibrium of the Gibbs interface in two-phase systems, EPL 97(4) (2012) Art. 40002.
27. Smith K.M., A. Cihan, V.V. Ngo, T.H. Illangasekare, Reply to comment by Michael D. Novak on "Evaporation from soils under thermal boundary conditions: Experimental and modeling investigation to compare equilibrium and nonequilibrium aooriaches", Water Resources Research 48(5) (2012) Art. W05550.
28. Struchtrub H., S. Kjelstrup, D. Bedeaux, Temperature-difference-driven mass transfer through the vapor from a cold to a warm liquid, Physical Review E 85(6) (2012) Art. 061201.
29. Yu J., H. Wang, A molecular dynamics investigation on evaporation of thin liquid films, Int. Journal of Heat and Mass Transfer 55(4) (2012) 1218–1225.
30. Garcia M., Experimental and theoretical investigation of instability within a heated meniscus, PhD Thesis, Carleton University, Ottawa, Canada, 2013.
31. Glavatskiy K., D. Bedeaux, Non-equilibrium thermodynamics for surfaces; square gradient theory, European Physical Journal: Special Topics 222(1) (2013) 161–175.
32. Hoyos J.P.C.M., Surface steam sterelization: steam penetration in narrow channels, PhD Thesis, Eidhoven University, 2013.
33. Karatay E., P.A. Tsai, R.G.H. Lammertlink, Rate of gas adsorption on a slippery bubble mattress, Soft Matter 9(46) (2013) 11098–11106.
34. Pan Z., H. Wang, Benard-Marangoni instability if evaporating menisci in capillary chanels, International Journal of Heat and Mass Transfer, 63 (2013) 239–248.
35. Struchtrup H., S. Kjelstrup, D. Bedeaux, Analysis of temperature difference driven heat and mass transfer in the Phillips-Onsager cell, International Journal of Heat and Mass Transfer 58(1–2) (2013) 521–531.
36. Persad A.H., K. Safiane, C. Ward, Source of temperature and pressure pulsations during sessile droplet evaporation into multicomponent atmosphere, Langmuir 29(43) (2013) 13239–13250.
37. Zhu Z.-Q., Q.-S. Liu, Interfacial temperature discontinuities in a thin liquid layer during evaporation, Microgravity Science and Technology 25(4) (2013) 243–249.
38. Castaneda-Uribe O.A., J.C. Salcedo-Reyes, H.A. Mendez-Pinzon, A.M. Pedroza-Rodriquez, Fabrication of FCC-SiO_2 colloidal crystals using the vertical convective self-assemble method, AIP Conference Proceedings 1958 (2014) 43–46.
39. Gleason K., S.A. Putnam, Microdroplet evaporation with a forced pinned contact line, Langmuir 30(34) (2014) 10548–10555.
40. Gleason K., Experimental and numerical investigation of microdroplet evaporation with a forced pinned contact line, PhD Thesis, University of Central Florida, 2014.
41. Solomon A.B., K. Ramachandran, L. Godson Asirvatham, B.C. Pillai, Numerical analysis of a screen mesh wick heat pipe with Cu/water nanofluid, , International Journal of Heat and Mass Transfer 75 (2014) 523–533.
42. Still M., T. Gambaryan-Roisman, P. Stephan, Experimental investigation of the interfacial temperature evolution during evaporation of sessile droplet, IHTC 15 (2014) No 119334.
43. Alberts S., P. Srikanth, S.H. Collicotti, S. Heisterz, Experiment design for measuring accommodation coefficients for modeling of long-duration spaceflight cryogenic propellants, IECES (2015) Code 130529.
44. Foncubierta Blazquez J.L., I. Rodriguez Maestre, F.J. Gonzalez Gallero, O. Iglesias Bahia, Metofologia para el calculo de la tasa de evaporacion en piscinas cubiertas mediande CFD, IX Congreso Nacional de Ingenieria Termodinamica – Cartagena 3-5 de junio de 2015.
45. Gatapova E. Ya., I.A. Garaur, F. Sharipov, O.A. Kabov, The temperature and pressure jumps at the vapor-liquid interface: Application to two-phase cooling system, International Journal of Heat and Mass Transfer 83 (2015) 235–243.
46. Gerasimov D.N., E.I Yurin, Parameters determining kinetic properties on an evaporation surface, High Temperature 53(4) (2015) 502–508.
47. Gun'ko V.M., R. Nasiri, S.S. Sazhin, Effects of the surroundings and conformerisation of n-dodecane molecules on evaporation/condensation processes, The Journal of Chemical Physics 142(3) (2015) 034502.
48. Guner E.G., J. Wahlin, M. Hinge, S. Kjelstrup, The temperature jump at a growing ice-water interface, Chemical Physics Letters 622 (2015) 15–19.
49. Klink C., C. Waibel, J. Gross, Analysis of interfacial transport resistivities of pure components and mixtures based on density functional theory, Industrial and Engineering Chemistry Research 54 (2015) 11483–11492.
50. Qin T., Z. Tukovic, R.O. Grigoriev, Buoyancy-thermocapillary convection of volatile fluids under their vapors, International Journal of Heat and Mass Transfer 80 (2015) 38–49.

51. Schweizer M., Brownian and nonisothermal effects in nucleation theory: Towards systematic multiscale modeling, PhD Thesis, ETH Zurich, 2015.
52. Wang X., Numerical simulation of two-dimensional bubble dynamics and evaporation, PhD Thesis, Faculty of Engineering Science, KU Leuven, 2015.
53. Wilhelmsen O., T.T. Trinh, S. Kjelstrup, D. Bedeaux, Influence of curvature on the transfer coefficient for evaporation and condensation of Lenard-Jones fluid from square-gradient theory and nonequilibrium molecular dynamics, Journal of Physical Chemistry C 119(15) (2015) 8160–8173.
54. Yadavali Y., J.A. Weibel, S.V. Garimella, Performance-governing transport mechanicms for heat pipes at ultrathin form factors, IEEE Transactions on Components, Packaging and Manufacturing Technology 5(11) (2015) 1618–1627.
55. Farokhnia N., P. Iraijzad, S.S. Saijadi, H. Ghasemi, Rational micro/nanostructuring for thin-film evaporation, Journal of Physical Chemistry C 120(16) (2016) 8742–8750.
56. Guner F.E.G., Non-equilibrium thermodynamics of aqueous solution-crystal interfaces, in: Experimental Thermodynamics, Vol. X, Croydon, UK, 2016.
57. Heinen M., J. Vrabec, J. Fischer, Evaporation: Influence of heat transport in the liquid on the interface temperature and the particle flux, Journal of Chemical Physics 145(8) (2016) Art. No. 081101.
58. Lin T.Y., C.C. Wu, T.L. Chen, A novel method considered mass and energy conservation for both liquid and vapor in adsorption refrigeration systems, International Refrigeration and Air Conditioning Conference 2016 Pap. No. 1769.
59. Persad A.H., C.A. Ward, Expressions for the evaporation and condensation coefficients in the Hertz-Knudsen relation, Chemical Reviews 116(14) (2016) 7727–7767.
60. Qin T., Buoyancy-thermocapillary convection of volatile fluids in confined and sealed geometries, PhD Thesis, School of Mechanical Engineering, Georgia Institute of Technology, 2016.
61. Schweizer M., H.C. Ottinger, T. Savin, Physical Review E 93(5) (2016) Art. No. 052803.
62. Srikanth P., S. Alberts, S.H. Collicott, S. Heister, Numerical approach to measure accommodation coefficients for long-duration space ight cryogenic propellants, 52nd AIAA/SAE/ASEE Conference 2016, p. 13.
63. Adnadievic B., M. Gigov, J. Jovanovich, Comparative analyses on isothermal kinetics of water evaporation and PAAG hydrogel dehydration under the microwave heating conditions, Chemical Engineering Research and Design 122 (2017) 113–120.
64. Ancellin M., Sur la mod´elisation physique et num´erique duchangement de phase interfacial lors d'impacts de vagues, PhD Thesis, Universit´e Paris-Saclay, 2017.
65. Blazquez J.L.F., I.R. Maestre, F.J.G. Gallero, P.A. Gomez, A new practical CFD-based methodology to calculate the evaporation rate in indoor swimming pools, Energy and Buildings 149 (2017) 133–141.
66. Gatapova E.Y., I.A. Graur, O.A. Kabov, V.M. Aniskin, M.A. Filipenko, F. Sharipov, L. Tadrist, The temperature jump at water-air interface during evaporation, International Journal of Heat and Mass Transfer 104 (2017) 800–812.
67. Gerasimov D.N., E.I. Yurin, Potential energy distribution function and its application to the problem of evaporation, Journal of Physics: Conference Series 891(1) (2017) Art. No. 012005.
68. Kazemi M.A., D.S. Nobes, J.A.W. Elliott, Effect of the thermocouple on measuring the temperature discontinuity at a liquid-vapot interface, Langmuir 33(28) (2017) 7169–7180.
69. Kazemi M.A., D.S. Nobes, J.A.W. Elliott, Experimental and numerical study of the evaporation of water at low pressure, Langmuir 33(18) (2017) 4578–4591.
70. Lamorgese A., R. Mauri, L.M.C. Sagis, Modeling soft interface dominated systems: A comparison of phase field and Gibbs dividing surface models, Physics Reports 675 (2017) 1–54.
71. Liang Z., T. Biben, P. Keblinski, Molecular simulation of steady-state evaporation and condensation: Validity of the Schrage relationships, International Journal of Heat and Mass Transfer 114 (2017) 105–114.
72. Persad A.H., C.A. Ward, The quantum of energy transported during evaporation: Investigation of a fundamental constant, Proceedings of the International Astronautical Congress. IAC 4 (2017) 2332–2334.
73. Prosperetti A., Vapor bubbles, Annual Review of Fluid Mechanics 49 (2017) 221–248.
74. Qin T., Buoyancy-thermocapillary convection of volatile fluids in confined and sealed geometries, PhD Thesis, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, Georgia, USA, 2017.
75. Stewart M.E.M., Pressurization of a flightweight, liquid hydrogen tank: Evaporation & condensation at the liquid/vapor interface, AIAA Propulsion and Energy Forum Atlanfa GA (2017) Art. No. AIAA 2017–4916.
76. Ancellin M., L. Brosset, J.-M. Ghidaglia, Numerical study of phase change influence on wave impact loads in LNG tanks on floating structures, Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering 9 (2018) Art. No. 140007.
77. Ancellin M., L. Brosset, J.-M. Ghidaglia, Numerical simulation of wave-impact with interfacial phase change: An isothermal averaged model, European Journal of Mechanics 72 (2018) 631–644.

78. Bedeaux D., S. Kjelstrup, Fluid-fluid interfaces of multi-component mixtrues in local equilibrium, Entropy 20(4) (2018) Art. No. 250.
79. Egging H.J., A.J.H. Frijns, T.W.M. Janssen, G. Martin, Numerical and experimental feasibility study of vapor chambers for LED applications, SEMI-THERM-2018-Proceedings (2018) 71–80.
80. Kazemi M.A., J.A.W. Elliott, D.S. Nobes, The influence of container geometry and thermal conductivity on eveporation of water at low pressures, Scientific Reports 8 (2018) Art. No. 15121.
81. Kazemi M.A., D.S. Nobes, J.A.W. Elliott, Investigation of the phenomena occurring near the liquid-vapour interface during evaporation of water at low pressures, Physical Review Fluids 3 (2018) Art. No. 124001.
82. Gerasimov D.N., E.I. Yurin, Temperature jump on the evaporation surface, Kinetics of Evaporation, 2018, 233–270.
83. Polikarpov A.P., A. Graur, Heat and mass transfer in a rarefied gas confined between its two parallel condensed phases, International Journal of Heat and Mass Transfer 124 (2018) 967–979.
84. Soltanzadeh H., The extended Navier-Stokes equations and their application to the lay-out of diffusion dryers, PhD Thesis, Erlangen-Nuernberg Unuversity, Germany, 2018.
85. Wilhelmsen O., T.T. Trinh, A. Lervik, Temperature anisotropy at equilibrium reveals nonlocal entropic contributions to interfacial properties, Physical Review E 97 (2018) Art. No. 012126.
86. Zhao S., Y. Liu, Y. Liu, P. Na, CFD-based numerical simulation of water film flash evaporation with a new flash eveporatin model, Transactions of Tianjin University 2018.
87. Herrera B., F. Chejne, M.B.H. Mantelli, J. Mejia. K. Cacua, A. Gallego, Population balans for capillary limit modeling in a screen mesh wick heat pipe working with nanofluids, Interbational Journal of Thermal Science 138 (2019) 134–158.
88. Nazari M., A. Masoudi, P. Jafari, P. Irajizad, V. Kashyap, H. Ghasemi, Ultrahigh evaporative heat fluxes in nanoconfined geometries, Langmuir 35(1) (2019) 78–85.
89. Chandra A., P. Keblinski, O. Sahni, A.A. Oberai, A continuum framework for modeling liquid-vapor interfaces out of local thermal equilibrium, International Journal of Heat and Mass Transfer 144 (2019) Art. No. 118597.
90. Cruz C., D. Barragan, E. Magnanelli, A. Lervik, L. Kjelstrup, Non-equilibrium thermodynamics as a tool to compute temperature at the catalyst surface, Physical Chemistry Chemical Physics 21(27) (2019) 15195–15205.
91. Nazari M., M. Gorman, H. Ghasemi, Unprecedented capillary evaporative heat flux in nanochannels, 18th ITherm 2019 doi: 10.1109/ITHERM.2019.8757337.
92. Polykarpov A.P., I.A. Graur, E.Y. Gatapova, O.A. Kabov, Kinetic simulation of the non-equilibrium effects at the liquid-vapor interface, International Journal of Heat and Mass Transfer 136 (2019) 449–456.
93. Tang Y., S.-I. Zhu, L.-M. Qiu, Determination of mass transfer coefficient for condensation simulations, International Journal of Heat and Mass Transfer 143 (2019) Art. No. 118485.
94. Zigelman A., M. Abo Jabal, O. Manor, Analysis of the oscillatory wetting-sewetting motion of a volatile drop during the deposition of polymer on a solid substrate, Soft matter 15(17) (2019) 3580–3587.
95. Zudin Y.B., Binary schemes of vapour bubble growth, Mathematical Engineering 2019 157–184.
96. Srikanth P., S.H. Collicott, Estimation of thin-film contribution in phase change calculations involving cryogenic propellants, Journal of Spacecrafts and Rockets 56(5) (2019) 1646–1650.
97. Betsema R., S.V. Nedea, A.J.H. Frijns, Measurements of the interfacial temperature jump during steady-state evaporation of a droplet, Proceedings of the International Symposium on Thermal Effects in Gas Flow in Microscale (2019) ISTEGIM 2019–285315.
98. Donkers P. K. Gao, J. Houben, H. Huinink, B. Erich, O. Adan, Effect of non-condensable gasses on the performance of a vacuum thermochemical reactor, Energies 13 (2020) Art. No. 362.
99. Stierle R., C. Waibel, J. Gross, C. Steinhausen, G. Lamanna, On the selection of boundary conditions for droplet evaporation and condensation at high pressure and temperature conditions from interfacial transport resistivities, International Journal of Heat and Mass Transfer 151 (2020) Art. No. 119450.
100. Lamanna G., C. Steinhausen, B. Weigand, On the importance of kinetic effects in the modelling of droplet evaporation at high pressure and temperature conditions. In: Lamanna G., Tonini S., Cossali G., Weigand B. (eds) Droplet Interactions and Spray Processes. Fluid Mechanics and Its Applications, vol 121, Springer, (2020) 277–286.
101. Ancellin M., L. Brosset, J.-M. Ghidaglia, On the liquid-vapor phase-change interface conditions for numerical simulation of violent separated flows, Fuid Dynamics and Materials Processing 16 (2020) 359–381.
102. Bhendura M., K. Muralidhar, S. Khadekar, Introduction to evaporative heat transfer, Drop Dynamics and Dropwise Condensation and Texture Surfaces (2020) Springer 131–146.
103. Chandra A., P. Keblinski, Investigating the validity of Schrage relationships for water using molecular dynamics simulations, Journal of Chemical Physics 153 (2020) Art. No. 124505.

104. Guo R.-F., L. Zhang, D.-M. Mo, C.-M. Wu, Y.-R. Li, Measurement of temperature profile near the evaporating interface in an annular pool with radial temperature gradients at low pressures, Experimental Thermal and Fluid Science 119 (2020) Art. No. 110221.
105. Guo R., C. Wu, J. Yu, Y. Li, Experimental investigation on evaporation interface temperature and evaporation rate of water in its own vapor at low pressures, CIESC Journal 71 (2020) 5489–5497.
106. Kingston D., O. Wilhelmsen, S. Kjelstrup, The influence of interfacial transfer and film coupling in the modeling of distillation columns to separate nitrogen and oxygen mixtures, Chemical Engineering Science: X 8 (2020) Art. No. 100076.
107. Rokoni A., Y. Sun, Probing the temperature profile across a liquid-vapor interface upon phase change, Journal of Chemical Physics 153 (2020) Art. No. 144706.
108. Benet J.C., S. Ouoba, F. Ouedraogo, F. Cherblanc, Experimental study of water evaporation rate, at the surface of aqueous solution, under the effect of a discontinuity of chemical potential – Effect of water activity and air pressure, Experimental Thermal and Fluid Science 121 (2021) Art. No. 110233.
109. Chandra A., Z. Liang, A.A. Oberai, O. Sahni, P. Keblinski, On the applicability of continuum scale models for ultrafast nanoscale liquid-vapor phase change, International Journal of Multiphase Flow 135 (2021) Art. No. 103508.
110. Davoodabadi A., H. Ghasemi, Evaporation in nano/molecular materials, Advances in Colloid and Interface Science (2021) Art. No. 102385.
111. Guo R.-F., L. Zhang, D.-M. Mo, C.-M. Wu, Y.-R. Li, Study of evaporation characteristics of water in annular liquid pool at low pressures, ACS Omega 6 (2021) 5933–5944.
112. He Y., K. Xiong, E. Xia, Growth of dry patches in an evaporating film flowing around a horizontal circular tube, International Communications in Heat and Mass Transfer 125 (2021) Art. No. 105291.

134 E.S. Basheva, P.A. Kralchevsky, K.D. Danov, K.P. Ananthapadmanabhan, A. Lips, The colloid structural forces as a tool for particle characterization and control of dispersion stability, Phys. Chem. Chem. Phys. 9 (2007) 5183–5198. (**Citations: 37**)

1. Blawzdziewicz J., E. Wajnryb, Equilibrium and nonequilibrium thermodynamics of particle–stabilized thin liquid films, Journal of Chemical Physics 129(19) (2008) art. no. 194509.
2. Wasan D., A. Nikolov, Thin liquid films containing micelles or nanoparticles, Current Opinion in Colloid and Interface Science 13 (3) (2008) 128–133.
3. Tolosa J., U.H.F. Bunz, Water Soluble Cruciforms: Effect of Surfactants on Fluorescence, Chemistry – an Asian journal 4(2) (2009) 270–276.
4. Nikolov A., K. Kondiparty, D. Wasan, Nanoparticle self–structuring in a nanofluid film spreading on a solid surface, Langmuir 26(11) (2010) 7665–7670.
5. Verbrugghe M., E. Cocguit, P. Saveyn, P. Sabatino, D. Sinnaeve, J.C. Martins, P. van der Meeren, Quantification of hydrophilic ethoxylates in polysorbate surfactants using diffusion 1H NMR spectroscopy, Journal of Pharmaceutical and Biomedical Analysis 51(3) (2010) 583–589.
6. von Klitzing R., E. Thormann, T. Nylander, D. Langevin, C. Stubenrauch, Confinement of linear polymers, surfactants, and particles between interfaces, Adv. Colloid Interface Sci. 155 (2010) 19–31.
7. Kondiparty K., A. Nikolov, D. Wasan, Wetting and spreading of nanofluids on solid surfaces driven by the structural disjoining pressure: Statics analysis and experiments, Langmuir 27(7) (2011) 3324–3335.
8. Stanimirova R., K. Marinova, S. Tcholakova, N.D. Denkov, S. Stoyanov, E. Pelan, Surface rheology of saponin adsorption layers, Langmuir 27(20) (2011) 12486–12498.
9. Wasan D., A. Nikolov, K. Kondiparty, The wetting and spreading of nanofluids on solids: Role of the structural disjoining pressure, Current Opinion in Colloid and Interface Science 16(4) (2011) 344–349.
10. Kondiparty K., A.D. Nikolov, D. Wasan, K.-L. Liu, Dynamic spreading of nanofluids on solids: I. Experimental, Langmuir 28(41) (2012) 14618–14623.
11. Liu K.-L., K. Kondiparty, A.D. Nikolov, D. Wasan, Dynamic spreading of nanofluids on solids: II. Modeling, Langmuir 28(47) (2012) 16274–16284.
12. Mezei A., L. Perez, A. Pinazo, F. Comalles, M.R. Infante, R. Pons, Self assembly of pH-sensitive cationic lysine based surfactants, Langmuir 28(49) (2012) 16761–16771.
13. Zeng Y., Scintific background, in: Colloidal Dispersions Under Silt-Pore Confinement, Springer, 2012, 2–51.
14. Zeng Y., Y. Zeng, Structuring of nonioinic surfactant micelles, in: Colloidal Dispersions Under Silt-Pore Confinement, Springer, 2012, 99–111.
15. Erramreddy V.V., S. Ghosh, Influence of emulsifier concentration on nanoemulsion gelation, Langmuir 30(37) (2014) 11062–11074.
16. Lee J., A. Nikolov, D.T. Wasan, Surfactant micelles containing solubilized oil decrease foam film thickness stability, J. Colloid Interface Science 415 (2014) 18–25.

17. Mehtala J.G., A. Wei, Nanometric resolution in the hydrodynamic size analysis of ligand-stabilibzed gold nanorods, Langmuir 30 (2014) 13737–13743.
18. Sett S., R.P. Sahu, S. Sinha-Ray, A.L. Yarin, Superspreaders versus “cousin” non-superspreaders: disjoining pressure in gravitational film drainage, Langmuir 30(10) (2014) 2619–2631.
19. Briscoe W.H., Depletion forces between particles immersed in nanofluids, Current Oppinion in Colloid and Interface Science 20(1) (2015) 46–53.
20. Erramreddy V.V., S. Ghosh, Influence of droplet size on repulsive and attractive nenoemulsion gelation, Colloids Surfaces A 484 (2015) 144–152.
21. Jin J., Y. Wang, H. Ma, Wetting transition anf water block removal of gas wetting nano SiO2 particles on rock cores, Drilling Fluid and Completion Fluid 32(6) (2015) 5–10.
22. Yoeun S., J.-I. Kim, O. Han, Cellular localization and detergent dependent oligomerization of rice allene oxide synthase-1, Journal of Plant Research 128(1) (2015) 201–209.
23. Ponomareva O.A., N.A. Trushkin, I.S. Filimonov, A.V. Krivoshey, V.I. Barkhatov, S.I. Mitrofanov, P.V. Vrzheshch, Prostaglandin H synthase kinetics in the two-phase aqueous-micellar system, Biochimica et Biophysica Acta – Biomembranes 1858(9) (2016) 2199–2207.
24. Zhang Y. S. Yilixiati, C. Pearsall, V. Sharma, Nanoscopic terraces, mesas, and ridges in freely standing thin films sculpted by supramolecular oscillatory surface forces, ACS Nano 10(4) (2016) 4678–4683.
25. Cho H.K., A.D. Nikolov, D.T. Wasan, Step-wise velocity of an air bubble rising in a vertical tube filled with a liquid dispersion of nanoparticles, Langmuir 33(11) (2017) 2920–2928.
26. Lotito V., t. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
27. Shariffa Y.N., T.B. Tan, U. Uthumporn, F. Abas, H. Mirhosseini, I.A. Nehdi, Y.-H. Wang, Productiong of lycopene nanodispersion: Formulation development and the effect of high pressure homogenization, Food Research International 101 (2017) 165–172.
28. Aljabali A.A.A., E. Hussein, O. Aljumaili, M.A. Zoubi, B. Altrad, K. Albatayneh, M.A.A. Al-razaq, Rapid magnetic nanobiosensor for the detection of Serratia marcescen, IOP Conference Series 305 (2018) Art. No. 012005.
29. Ludwig M., M.U. Witt, R. von Klitzing, Briging the gap between two different scaling laws for structuring of liquids under geometrical confinement, Advances in Colloid and Interface Science 269 (2019) 270–276.
30. Yilixitiati S., E. Wojcik, Y. Zhang, V. Sharma, Spinodal stratification in ultrathin micellar foam films, Molecular Systems Design amd Engineering 4(3) (2019) 626–638.
31. Bakhoum J.P., O.M.A. Mbaye, P.A. Diaw, L. Cisse, M. Mbaye, M.D. Gaye-Seye, A. Coly, B. Le Jeune, P. Giamarchi, Analysis of oxadiazon herbicide in natural water samples by a micellar-enhanced photo-induced fluorescence, Analytical Sciences 36 (2020) Art. No. P390.
32. Ludwig M., R. von Klitzing, Recent progress in measurements of oscillatory forces and liquid properties under confinement, Current Opinion in Colloid and Interface Science 47 (2020) 137–152.
33. Gross-Rother J., M. Blech, E. Preis, U. Bakowsky, P. Garidel, Particle detection and characterization for biopharmaceutical applications: Current principles for established and alternative techniques, Pharmaceutics 12 (2020) Art. No. 1112.
34. Ludwig M., R. von Klitzing, Untangling superposed double layer and structural forces across confined nanoparticle suspensions, Physical Chemistry Chemical Pyshics 23 (2021) 1325–1334.
35. Janssen F., A.G.B. Wouters, E. Chatzigiannakis, J.A. Delcour, J. Vermant, Thin film drainage dynamics of wheat and rye dough liquors and oat batter liquor, Food Hydrocolloids 116 (2021) Art. No. 106624.
36. Vafakish B., D.W. Lee, A review on recent progress of glycan-based surfactant micelles as nanoreactor systems for chemical synthesis applications, Polysaccharides 2 (2021) 168–186.
37. Trunov D., J.F. Wilson, M. Jezkova, O. Srom, J. Baranek, O. Dammer, M. Soos, Monitoring of particle sizes distribution during Valsartan precipitation in the presence of nonionic surfactant, International Journal of Pharmaceutics 600 (2021) Art. No. 120515.

133 P.A. Kralchevsky, K.D. Danov, C.I. Pishmanova, S.D. Kralchevska, N.C. Christov, K.P. Ananthapadmanabhan, A. Lips, Effect of the precipitation of neutral–soap, acid soap, and alkanoic acid crystallites on the bulk pH and surface tension of soap solutions, Langmuir 23 (2007) 3538–3553. (**Citations: 42**)

1. Fernandez–Leyes M.D., P.C. Schulz, P.V. Messina, pH and surface tension dependence of mixed sodium deoxycholate–sodium dehydrocholate pre–micellar aggregation in aqueous solution, Colloids and Surfaces A: Physicochemical and Engineering Aspects 329(1–2) (2008) 24–30.
2. Jiang W., J. Hao, Z. Wu, Anisotropic ionogels of sodium laurate in a room–temperature ionic liquid, Langmuir 24 (2008) 3150–3156.

3. Prisle N.L., T. Raatikainen, R. Sorjamaa, B. Svenningsson, A. Laaksonen, M. Bilde, Surfactant partitioning in cloud droplet activation: A study of C8, C10, C12 and C14 normal fatty acid sodium salts, Tellus, Series B: Chemical and Physical Meteorology 60B(3) (2008) 416–431.
4. Andreev V.A., J.M. Prausnitz, C.J. Radke, Meniscus–shear particle detachment in foam–based cleaning of silicon wafers with an immersion/withdrawal cell, Industrial and Engineering Chemistry Research 49(24) (2010) 12461–12470.
5. Jarek E., T. Jasinski, W. Barzyk, P. Warszynski, The pH regulated surface activity of alkanoic acids, Colloid Surfaces A 354(1–3) (2010) 188–196.
6. Svensson, M., Surfactants based on natural fatty acids, in: Surfactants from Renewable Resources, Kjellin, M. and Johansson, I., Eds.; Wiley, New York, 2010; Ch. 1, p. 15.
7. Andreev V.A., E.M. Freer, J.M de Larios, J.M. Praisnitz, C.J. Radke, Silicon–wafer cleaning with aqueous surfactant–stabilized gas/solid suspensions, Journal of the Electrochemical Society 158(1) (2011) H55–H62.
8. Cape J.L., P.-A. Monnardab, J.M. Boncella, Prebiotically relevant mixed fatty acid vesicles support anionic solute encapsulation and photochemically catalyzed trans-membrane charge transport, Chemical Science 2(4) (2011) 661–671.
9. Chernyshova I.V., S. Ponnurangam, P. Somasundaran, Adsorption of fatty acids on iron (hydr)oxides from aqueous solutions, Langmuir 27(16) (2011) 10007–10018.
10. Eastoe J., M.H. Hatzopoulos, P.J. Dowding, Action of hydrotropes and alkyl-hydrotropes, Soft Matter 7(13) (2011) 5917–5925.
11. Pereira R.F.P., M.J. Tapia, A.J.M. Valente, H.D. Burrows, Effect of Metal Ion Hydration on the Interaction between Sodium Carboxylates and Aluminum(III) or Chromium(III) Ions in Aqueous Solution, Langmuir 28(1) (2011) 168–177.
12. Fameau A.-L., J. Ventureira, B. Novales, J.-P. Douliez, Foaming and emusifying properties of fatty acids neutralized by tetrabutylammonium hydroxide, Colloid Surfaces A 403 (2012) 87–95.
13. Pereira R.F.P., A.J.M. Valente, M. Fernandes, H.D. Burrows, Whar drives the precipitation of long-chain carboxylates (soap) in aqueous solution? Physical Chemistry Chemical Physics 14(20) (2012) 7517–7527.
14. Pereira R.F.P., Interacções entre iões metálicos e surfactantes aniónicos, PhD Thesis, Departamento de Qumica, Universidade de Couimbra, Portugal, 2012.
15. Ponnurangam S., Chernishova I.V., Somasundaran P., Rational design of interfacial properties of ferric (Hydr)oxyde nanoparticles by adsorption of fatty acids from aqueous solutions, Langmuir 28(29) (2012) 10661–106171.
16. Ponnurangam S., Tailoting the (bio)activity of polymeric and metal oxide nano- and microparticles in biotic and abiotic anvironments, PhD Thesis, Columbia University, 2012.
17. Schelero N., R. von Klitzing, V.B. Fainerman, R. Miller, Chain length effect on complex formation in solitions of sodium alkanoates and tetradecyl trimethyl ammonium bromide, Collois Surfaces A 413 (2012) 115–118.
18. Chowdhury D., S. Bhunia, T.K. Barik, Study the liquid surface capillary wave profile by optical method, International Journal of Soft Computing and Engineering 2(6) (2013) 386–390.
19. Huang D., X. Chen, Z. Li, Formation of pyrrolidinium fatty acid soap and its lyotropic liquid crystalline phase behavior, Colloid Surfaces A 426 (2013) 55–62.
20. Jackson L.P., C. Townsend, B.P. Grady, Mixtures of nonionic surfactants made from renewable resources with alkyl sulfates and sodium n-alcanecarboxylates: comparison of mixing behavior using Rubingh's treatment, Journal of Surfactants and Detergents 16(6) (2013) 893–902.
21. Pereira R.F.P., A.J.M. Valente, H.D Burrows, V.M.M. Lobo, Potentiometric study of the interactions between divalent cations and sodium carboxilates in aqueous solution, Novel Materials 2013, 199–207.
22. Yu G., Surfactants derived from 2-hydroxy-4-(methylthio)butyric acid: phase behavior, interfacial activity, microemulsions and more, PhD Thesis, Norman, Oklahoma, 2013.
23. Douliez J.P., C. Gaillard, Self-assembly of fatty acids: from foams to protocell vesicles, New Journal of Chemistry 38(11) (2014) 5142–5148.
24. Jackson L.P., R. Andrade, I. Pleasent, B.P. Grady, Effect of pH and surfactant precipitation on surface tension and CMC determination of aqueous sodium n-alkyl carboxylatge solutions, Journal of Surfactants and Detergents 17(5) (2014) 911–917.
25. Pereira R.F.P., A.J.M. Valente, H.D Burrows, The interactions of long chain sodium carboxylates and sidum dodecylsulfate with lead(II) ions in aqueous solutions, J. Colloid Interface Sci. 414 (2014) 66–72.
26. Schelero N., R. Miller, R. von Klitzing, Affeects of oppositely charged hydrophobic additives (alkanoates) on the stability of C14TAB doam dilms, Colloid Surfaces A 460 (2014) 156–167.
27. Velikova G., I. Georgiev, M. Veneva, Effect of the precipitation of acid soap and alkanoic acid crystallites on the bulk pH, ESGI'104, Sofia, 2014.
28. Fainerman V.B., R. Miller, E.V. Aksenenko, Thermodynamics of adsorption at liquid interfaces, Computational Methods for Complex Liquid-Fluid Interfaces (2015) 3–40.

29. Forth J., D.J. French, A.V. Gromov, S. King, S. Trimuss, K.M. Lord, M.J. Ridout, P.J. Wilde, P.S. Clegg, Temperature- and pH-dependent shattering: Insoluble fatty ammonium phosphate films at water-oil interfaces, Langmuir 31(34) (2015) 9312–9324.
30. Yu G., S.A. Long, K.A. Karinshak, B.P. Grady, J.H. Harwell, G.B. Arhancet, Synthesis and characterization of novel surfactants based on 2-hydroxy-4-(methylthio)butanoic acid: Anionic surfactants, Journal of Surfactants and Detergents 18(5) (2015) 895–903.
31. Douliez J.-P., B.H. Houssou, A.-L. Fameau, L. Navailes, F. Nallet, A. Grelard, E.J. Dufourc, C. Gailard, Self-assembly of bilayer vesicles made of saturated long chain fatty acids, Langmuir 32(2) (2016) 410–410.
32. Garenne D., L. Navailles, F. Nallet, A. Grelard, E.J. Dufourc, J.P. Douliez, Clouding in fatty acid dispersions for charge-dependent dye extraction, Journal of Colloid and Interface Science 468 (2016) 95–102.
33. Li F., X. Tang, M. Chen, W. Zhang, Effect of polyhydric alcohols, surfactants, emollients and emulsifiers on phase behaviors of ternary fatty acid soap solutions, Journal of Surfactants and Detergents 20 (2017) 1–13.
34. Li F., M. Chen, W. Zhang, Effect of binary/ternary fatty acids ratio and glycerin on the phase behaviors of soap solutions, Journal of Surfactants and Detergents 20(2) (2017) 425–434.
35. Najar M.H., O.A. Chat, P.A. Bhat, G.M. Rather, A.A. Dar, An investigation of microscopic precipitation and micellization of sodium deoxycholate in presence of Tween 40, Journal of Molecular Liquids 229 (2017) 599–608.
36. Jin J., J. Geng, D. Jing, Insights into the complex interaction between hydrophilic nanoparticles and ionic surfactants at the liquid/air interface, Physical Chemisry Chemical Physics 20(22) (2018) 15223–15235.
37. Shah R.A., R. Masrat, M.S. Lone, S. Afzal, U. Ashraf, G.M. Rather, A.A. Dar, Solution properties and micellization behaviour of binary mixtures of sodium salts of N-tetradeconyl alanine and N- tetradeconyl phenylalanine surfactants, Journal of Molecular Liquids 248 (2019) 569–576.
38. Farkuh L., P.T. Hennies, C. Nunes, S. Reis, L. Barreiros, M.A. Segundo, F.P. Oseliero, C.L.P. Oliveira, A. Cassago, R.V. Portugal, R.A. Muramoto, G.P.B. Carretero, S. Schreirer, H. Chaimovich, I.M. Cuccovia, Characterisation of phospholipid vesicles containing lauric acid: physicocjemical basis for process and product development, Helios 5(10) (2019) Art. No. e02648.
39. Wan D., H. Xiang, H. Xu, A laminar-jet-discharging method for measuring the interfacial tension of deformable surfaces, Measurement Science and Technology 31(3) (2019) Art. No. 035302.
40. Infantes-Garcia M.R., S.H.E. Verkenpinck, P.-G. Gonzales-Fuentes, M.E. Hendrickx, T. Grauwet, Lipolysis products formation during in vitro gastric digestion is affected by the emulsion interfacial composition, Food Hydrocolloids 110 (2021) Art. No. 106163.
41. Perez L., A. Pinazo, M.C. Moran, R. Pons, Aggregation behavior, antibacterial activity and biocompatibility of catanionic assemblies based on amino acid-derived surfactants, International Journal of Molecular Science 21 (2020) Art. No. 8912.
42. Kluh D., W. Waldmuller, M. Gaderer, Kolbe electrolysis for the conversion of carboxylic acids to valuable products – A process design study, Clean Technologies 3 (2021) 1–19.

132 K.D. Danov, I.B. Ivanov, K.P. Ananthapadmanabhan, A. Lips, Disjoining pressure of thin films stabilized by nonionic surfactants, Adv. Colloid Interface Sci. 128–130 (2006) 185–215. (**Citations: 14**)

1. Vanturelli W.H., Estudos da atividade antiespumante de ésteres etílicos derivados de óleos vegetais, MSc Thesis, Faculty of Chemistry, Ribeiro Preto, Brazil, 2008.
2. Saramago B., Thin liquid wetting films, Current Oppinion in Colloid and Interface Science 15(5) (2010) 330–340.
3. Kumar D., S.K. Biswas, Effect of surfactant dispersed in oil on interaction force between an oil film and a steel substrate in water, Colloid Surfaces A 377(1–3) (2011) 195–204.
4. Babchin A.J., L.L. Schramm, Osmotic repulsion force due to adsorbed surfactants, Colloids and Surfaces B: Biointerfaces 91(1) (2012) 137–143.
5. Thiele U., A.J. Archer, M. Plapp, Thermodynamically consisint description of the hydrodynamic of free surfaces covered by insoluble surfactants of high concentration, Physics of Fluids 24(10) (2012) Art. No. 102107.
6. Ejtemaei M., M. Gharabaghi, M. Irannajad, A review of zinc oxide mineral beneficiation using flotation method, Advances in Colloid Interface Science 206 (2014) 66–78.
7. Yang B., X. Ye, C. Li, Effect of the disjoining pressure on spreading of droplet containing surfactant over different topography surfaces, Journal of North China Electric Power University 42(3) (2015) 71–77.
8. Beltramo P.J. J. Vermant, Simple optical imaging of nanoscale futures in free-standing film, ACS Omega 1(3) (2016) 363–370.
9. Azadzadeh Shahir A., D. Arabadzieva, H. Petkova, S.I. Karakashev, A.V. Nguyen, E. Mileva, Effect of under-monolayer adsorption on foamability, rheological characteristics, and dynamic behavior of fluid interfaces:

Experimental evidence for the Guggenheim extended interface model, Journal of Physical Chemistry C 121(21) (2017) 11472–11487.
10. Joshi K., Behaviour of thin colloidal films and fundamental studies of convective deposition, PhD Thesis, Lehigh University, 2017.
11. Han Z., H. Xu, W. Fan, R. Zhao, Z. Wang, Comparison of thermodynamic performance and economic efficiency of ORC system for low temperature fue gas, Chemical Industry and Engineering Progress 36(11) (2017) 4010–4016.
12. Joshi K., J.F. Gilchrist, Effect of added surfactant on convective-assembly of monosized microspheres, Applied Physics Letters 116 (2020) Art. No. 083702.
13. Wei P., K. Guo, Y. Xie, Polysaccharide-stabilized oil-laden foam for enhancing oil recovery, Journal of Petroleum Science and Engineering 195 (2020) Art. No. 107597.
14. Rondepierre G., F. Lequeux, E. Verneuil, N. Passade-Boupat, L. Talini, spinodal stratification in micellar films between oil and silica, Physical Review E 103 (2021) Art. No. 052801.

128 K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Influence of electrolytes on the dynamic surface tension of ionic surfactant solutions: expanding and immobile interfaces, J. Colloid Interface Sci. 303 (2006) 56–68. (**Citations: 9**)

1. Parker, P.M., Editor, Ionic: Webster's Timeline History, 2006 – 2007, ICON Group International Inc., San Diego, CA, 2009; p. 8.
2. Diaz Ramirez C.C., L. Villafuerte Robles, Elements influencing the assessment of the electrolytes effect on the extension of a drop of shampoo, Revista Mexicana de Ciencias Farmaceuticas 43(2) (2012) 31–45.
3. Gabrielli R., G. Loglio, P. Pandolfini, A. Fabbri, M. Simoncini, V.I. Kovalchuk, B.A. Noskov, A.V. Makievski, J. Kragel, R. Miller, F. Ravera, L. Liggieri, Spherical cap-shape emulsion films: thickness evaluation at the nanoscale level by the optical evanescent wave effect, Colloid Surfaces A 413 (2012) 101–107.
4. Kuz'min S.M., S.A. Chulovskaya, V.I. Parfenyuk, Effect of anodic potential on process of formation of polyporphyrin film in solutions of tetrakis(p-aminophenyl)porphin in dichloromethane, Russian Journal of Electrochemistry 50(5) (2014) 429–437.
5. Pletnev M.Y., A.A. Semenova, S.Y. Zaitsev, Adsorption characteristics of N'-undecylenamidopropyl-N''-trimethylammonium methyl sulfate at the air-water interface, Mendellev Communications 24(3) (2014) 185–186.
6. Lauth G.J., J. Kowalczyk, Einführung in die Physik und Chemie der Grenzflächen und Kolloide, Springer, 2016.
7. Ju H., Y. Jiang, T. Geng, Y. Wang, C. Zhang, Equilibrium and dynamic surface tension of quaternary ammonium salts with different hydrocarbon chain length of counterions, Journal of Molecular Liquids 225 (2017) 606–612.
8. Kinoshita K., E. Parra, D. Needham, Adsorption of ionic surfactants at microscopic air-water interfaces using the micropipette interfacial area-expansion method: Measurement of the diffusion coefficient and renormalization of the mean ionic activity for SDS, Journal of Colloid and Interface Science 504 (2017) 765–779.
9. Chai J.L., X.C. Cui, X.Y. Zhang, M.M. Song, J. Wang, J.J. Lu, Adsorption equilibrium and dynamic surface tension of alkyl polyglucosides and their mixed surfactant systems with CTAB and SDS in the surface of aqueous solutions, Journal of Molecular Liquids 264 (2018) 442–450.

127 N.C. Christov, K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Maximum bubble pressure method: universal surface age and transport mechanism in surfactant solutions, Langmuir 22 (2006) 7528–7542. (**Citations: 52**)

1. Chytil M., J. Krouska, P. Kulilova, M. Pekar, Maximum bubble pressure and the de Nouy platinum ring method of surface tension measurements of sodium dodecyl sulfate and sodium hyaluronate, Chem. Listy 102 (2008) s1139–s1141.
2. Kulilova P., Dynamic tensiometry of biocolloids, PhD Thesis, Brno University, 2008.
3. Li D., D. Shi, G. Gao, J. Dong, L. Wang, An improved method for measuring surface tension of liquid metals and alloys, Kovove Materialy 46(4) (2008) 239–242.
4. Ivanov I.B., K.G. Marinova, V. Vulchev, D.T. Dimitrova, Method and device for fast creation of fluid interfaces and use of this device for determination of liquid–liquid and liquid–gas interfacial properties, Patent EP2072996 (A2), 2009.
5. Roche M., M. Aytouna, D. Bonn, H. Kellay, Effect of surface tension variations on the pinch–Off behavior of small fluid drops in the presence of surfactants, Phys. Rev. Letters 103(26) (2009) art. 264501.

6. Parker, P.M., Editor, Aging: Webster's Timeline History, 2006 (A–L), ICON Group International, Inc., San Diego, CA, 2009; p. 84.
7. Tagashira H., Y. Takata, A. Hyono, H. Ohshima, Adsorption of surfactant ions and binding of their counterins at an air/water interface, J. Oleo Sci. 58(6) (2009) 285–293.
8. Терезян А.М., Ш.А.Макарян, Dynamic surface tension measurements fo dibutylsulfoxide aqueous solutions, Ученые записки Ереванского государственого университета: Химия и Биология, 219(2) (2009) 10–14.
9. Chevallier E., A. Mamane, H.A. Stone, C. Tribet, F. Lequeux, C. Monteux, Pumnping-out photo-surfactants from an air/water interface using light, Soft Matter 7(17) (2011) 7866–7874.
10. Ivanova D.S., Z. Angarska, S.I. Karakashev, E.D. Manev, Drainage of foam films stabilized by n-dodecyl-β-d-maltoside or dodecyl trimethylammonium bromide and their mixtures, Colloid and Surfaces A 382(1–3) (2011) 93–101.
11. Lim J., D. Han, Synthesis of dialkylamidoamine oxide surfactant and characterization of its dual function of detergency and softness, Colloid and Surfaces A 398(1–3) (2011) 166–174.
12. Martin J.D., J.N. Marhefka, K.B. Migler, S.D. Hudson, Interfacial rheology through microfluidics, Advanced Materials 23(3) (2011) 426–432.
13. Pressure assisted ozonation of persistent organic contaminated sediments, Environmental Engineering, Airiti Lybrary 1 (2011) 1–91.
14. Ritacco H., D. Langevin, H. Diamant, D. Andelman, Dynamic surface tension of aqueous soluitons of ionic surfactants: role of electrostatics, Langmuir 27(3) (2011) 1009–1014.
15. Stanimirova R., K. Marinova, S. Tcholakova, N.D. Denkov, S. Stoyanov, E. Pelan, Surface rheology of saponin adsorption layers, Langmuir 27(20) (2011) 12486–12498.
16. Chevallier E., Cascade d'e ets induits par la lumi ere aux interfaces liquides: du photo-surfactant a la mousse, PhD Thesis, Material chemistry, Universite Pierre et Marie Curie - Paris VI, 20, 2012.
17. De Saint Vincent M.R., J. Petit, M. Aytouna, J.P. Delville, D. Bonn, H. Kellay, Dynamic interfacial tension effects in the rupture of liquid necks, Journal of Fluid Mechanics 692 (2012) 499–510.
18. Giusti F., J.-L. Popot, C. Tribet, Well-defined critical association concentration and rapid adsorption at the air/water interface of a short amphiphilic polymer, amphipol A8-35: a study by foerster resonance energy transfer and dynamic surface tension measurements, Langmuir 28(28) (2012) 10372–10380.
19. Glawdel T., C.L. Ren, Droplet formation in microfluidic T-junction generators operating in the transitional regime. III. Dynamic surface effect, Physical Review E 86(2) (2012) Art. 026308.
20. Glawdel T., Droplet production and transport in microfluidic networks with pressure driven flow control, PhD Thesis, University of Waterloo, 2012.
21. Jouyban A., A. Fathi-Azarbayjani, Experimental and computational methods pertaining to surface tension of pharmaceuticals, in: Toxicity and Drug Testing, W. Acree (ed.), InTech, 2012, Ch. 3.
22. Shi Y., G. Shan, Dynamic surface tension of surfactant-free emulsion polymerization system of styrene and methyl methacrylate in aqueous solution of poly(ethylene glycol), Huagong Xuebao/CIESC Journal 63(7) (2012) 2170–2175.
23. Theiner E.R., High throughput evaluation of the influence of inorganic salt solutions on nonionic, PhD Thesis, Lehigh Univeristy, 2012.
24. Ampatzidis C.D., Varka E.-M.A., Karapantsios T.D., Adsorption behavior of non-conventional eco-friendly tyrosine glycerol ether surfactants, Colloid Surfaces 438 (2013) 104–111.
25. Chevallier E., A. Saint-Jalmes, I. Cantat, F. Lequeux, C. Monteux, Light induced flows opposing drainage in foams and thin-films using photosurfactants, Soft Matter 9(29) (2013) 7054–7060.
26. Chevallier E., Cascade d'effects induits par la lumiere aux interfaces liquides, PhD Thesis, Pierre and Marie Curie University, 2013.
27. Petkova R., Tcholakova S., N.D. Denkov, Role of polymer-surfactant interactions in foams: Effects of pH and surfactant head group for cationic polyvinylamine and anionic surfactant, Collod Surfaces A 438 (2013) 174–185.
28. Shi Y.-M., G.-R. Shan, Effect of poly(ethylene glycol) molecular weight on the stability of surfactant-free emulsion polymerization system consisting of styrene and methyl methacrylate, Hournal of Chemical Engineering of Chinese Universities, 27(2) (2013) 272–276.
29. Ampatzidis C.D., Varka E.-M.A., Karapantsios T.D., Dynamic surface properties of eco-friendly phenylalanine glycerol ether surfactants at the W/A interfaces, Colloid Surfaces 441 (2014) 872–879.
30. Pletnev M.Y., A.A. Semenova, S.Y. Zaitsev, Adsorption characteristics of N'-undecylenamidopropyl-N"-trimethylammonium methyl sulfate at the air-water interface, Mendellev Communications 24(3) (2014) 185–186.
31. Viswanathan U.M., Study of antimicrobial, biochemical and nanotechnological aspects of novel sulphur, selenium and telutium compounds, PhD Thesis, Universitat Saarlandes, Germany, 2014.

32. Brun G., Formulation de capsules a coeur aqueux pour la deliverance stimulable de proteins, PhD Thesis, Universite Pierre et Marie Curie, Paris, 2015.
33. Schellart N.M.C., M. Rozloznik, C. Balestra, Relationships between plasma lipids, proteins, surface tension and post-dive bubbles, UHM 42 (2015) 133–141.
34. Hristov J., A unified nonlinear fractional equation of the diffusion-controlled surfactant adsorptioin: Reappraisal and new solution of the Ward-Tordai problem, Journal of King Saud University – Science 28(1) (2016) 7–13.
35. Zaitsev S., Dynamic surface tension measurements as general approach to the analysis of animal blood plasma and serum, Advances in Colloid and Interface Science 235 (2016) 201–213.
36. Casandra A., M.-C. Chung, B.A. Noskov, S.-Y. Lin, Adsorption kinetics of sodium dodecyl sulfate at perturbed air-water interface, Colloids and Surfaces A 518 (2017) 241–248.
37. Fereidooni Moghadam F., S. Azizian, S. Wettig, Effect of spacer length on the interfacial behavior of N,N′-bis(dimethylalkyl)-α,ω-alkanediammonium dibromide gemini surfactants in the absence and presence of ZnO nanoparticles, Journal of Colloid and Interface Science 486 (2017) 204–210.
38. Kinoshita K., E. Parra, D. Needham, Adsorption of ionic surfactants at microscopic air-water interfaces using the micropipette interfacial area-expansion method: Measurement of the diffusion coefficient and renormalization of the mean ionic activity for SDS, Journal of Colloid and Interface Science 504 (2017) 765–779.
39. Kinoshita K., E. Parra, D. Needham, New sensitive micro-measurements of dynamic surface tension and diffusion coefficients: Validated and tested for the adsorption of 1-Octanol at a microscopic air-water interface and its dissolution into water, Journal of Colloid and Interface Science 488 (2017) 166–179.
40. Stubenrauch C., M. Hamann, N. Preisig, V. Chauhan, R. Bordes, On how hydrogen bonds affect foam stability, Advances in Colloid and Interface Science 247 (2017) 435–443.
41. Wang Y., Y. Zhu, C. Zhang, J. Li, Z. Guan, Transparent, superhydrophobic surface with varied surface tension responsiveness in wettability based on tunable porous silica structure for gauging liquid surface tension, ACS Applied Materials and Interfaces 9(4) (2017) 4142–4150.
42. Ranieri D., N. Preisig, C. Stubenrauch, On the influence of intersurfactant H-bonds on foam stability: A study with technical grade surfactants, Tenside Surfactants Detergents 55(1) (2018) 6–16.
43. Tian C., J. Feng, H.J. Cho, S.S. Datta, R.K. Prud'home, Adsorption and denaturation of structured polymeric nanoparticles at an interface, Nano Letters 18(8) (2018) 4854–4860.
44. Needham D., K. Kinoshita, A. Utoft, Micro-surface and -interfacial tensions measured using the micropipette technique: Applications in ultrasound-microbubbles, oil-recovery, lung-surfactants, nanoprecipitation, and microfluidics, Micromashines 10 (2019) Art. No. 105.
45. Gan N.N.G.M.A., N.A.M. Taib, G. Krishnan, K.A. Dasuki, A review of surface tension measurements by optical method for medical application, Malaysian Journal of Science , Health and Technology 4 (2019) Art. No. 2601-0003.
46. An S., P. Ranaweera, L. Luo, Harnessing bubble behaviors for developing new analytical strategies, Analyst 145 (2020) 7782–7795.
47. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
48. Simon S., J. Ruwoldt, J. Sjoblom, A critical update of experimental techniques of bulk and interfacial components for fluid characterization with relevance to well fluid processing and transport, Advances in Colloid and Interface Science 277 (2020) Art. No. 102120.
49. Clarke C., F. Spyropoulos, I.T. Norton, A flow velocity dependence of dynamic surface tension in Plareau borders of foam, Journal of Colloid and Interface Science 573 (2020) 348–359.
50. Baldygin A., J.S. Marin Quintero, T. Willers, P.R. Waghmare, Rapid prototyping in the application to the dynamic surface tension measurements, International Journal of Wettability Science and Technology 1 (2020) 171–188.
51. Zhao Y., B. Jeong, D.-H. Kang, S. Dai, Impacts of motile Escherichia coli on air-water surface tension, E3S Web of Conferences 205 (2020) Art. No. 08003.
52. Wang D., Z. Hu, G. Peng, Y. Yin, Surface energy of curved surface based on Lennard-Jones potential, Nanomaterials 11 (2021) Art. No. 686.

126 K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Interpretation of surface–tension isotherms of *n*–alkanoic (fatty) acids by means of the van der Waals model, J. Colloid Interface Sci. 300 (2006) 809–813. (**Citations: 21**)

1. Burden D.K., A.M. Johnson, G.M. Nathanson, HCl Uptake through Films of Pentanoic Acid and Pentanoic Acid/Hexanol Mixtures at the Surface of Sulfuric Acid, J. Phys. Chem. A 113 (2009) 14131–14140.

2. Johnson C.M., E. Tyrode, A. Kumpulainen, C. Leigraf, Vibrational sum frequency spectroscopy study of the liquid/vapor interface of formic acid/water solutions, Journal of Physical Chemistry C 113(30) (2009) 13209–13218.
3. Rodrigues–Abreu C., E. Rodriguez, C. Solans, Monomeric and dimeric anionic surfactants: A comparatice study of self–aggregation and mineralization, J. Colloid Interface Sci. 340 (2009) 254–260.
4. Jarek E., T. Jasinski, W. Barzyk, P. Warszynski, The pH regulated surface activity of alkanoic acids, Colloid Surfaces A 354(1–3) (2010) 188–196.
5. Stanimirova R., K. Marinova, S. Tcholakova, N.D. Denkov, S. Stoyanov, E. Pelan, Surface rheology of saponin adsorption layers, Langmuir 27(20) (2011) 12486–12498.
6. Slavchov R., S.I. Karakashev, I.B. Ivanov, Ionic surfactants and ion-species effects: adsorption; micellization; thin liquid films, in: Surfactant Science and Technology: Retrospects and Prospects, Taylor and Frances, 2012.
7. Lee L., J. Salimon, M.A. Yarmo, R. Syafri, M. Hisam, Effect of structure on surfactant properties, J. Dispersion Scince and Technology 34(7) (2013) 914–922.
8. Slavchov R.I., I.M. Dimitrova, I.B. Ivanov, Cohesive and non-cohesive adsorption of surfactants at liquid interfaces, Understanging Complex Systems (2013) 199–225.
9. Kuz'min S.M., S.A. Chulovskaya, V.I. Parfenyuk, Effect of anodic potential on process of formation of polyporphyrin film in solutions of tetrakis(*p*-aminophenyl)porphin in dichloromethane, Russian Journal of Electrochemistry 50(5) (2014) 429–437.
10. Ruehl C.L., K.R. Wilson, Surface organic monolayers control the hygroscopic growth of submicrometer particles at high relative humidity, Journal of Physical Chemicstry A 118(22) (2014) 3952–3966.
11. Pan A., A.K. Rakshit, S.P. Moulik, Dwelling on the adsorption of surfactant at the air/water interface in relation to its states in the bulk: A comprehensive analysis, Colloid Surfaces A 464 (2014) 8–16.
12. Ikari K., Y. Sakuma, T. Jimbo, A. Kodama, M. Imai, P.-A. Monnard, S. Rasmussen, Dynamics of fatty acid vesicles in response to pH stimuli, Soft Matter 11(31) (2015) 6327–6334.
13. Cochran R.E., T. Jayarathne, E.A. Stone, V.H. Grassian, Selectivity across the interface: a test of surface activity in the composition of organic-enriched aerosols from bubble bursting, Journal of Physical Chemistry Letters 7(9) (2016) 1692–1696.
14. Ikizler B., G. Arslan, E. Kipcak, C. Dirik, D. Celenk, T. Aktuglu, S.S. Helvaci, S. Peker, Surface adsorption and spontaneous aggregation of rhamnolipid mixtures in aqueous solutions, Colloids and Surfaces A 519 (2017) 125–136.
15. Muhamad R., M. Misran, Adsorption kinetics of partially ionized fatty acids at oil/water interface of their monomeric and liposomal solutions, Colloids and Surfaces A 528 (2017) 23–29.
16. Slavchov R., I.B. Ivanov, Adsorption parameters and phase behaviour of non-ionic surfactants at liquid interfaces, Soft Matter 13(46) (2017) 8829–8848.
17. Wellen B.A., E.A. Lach, H.C. Allen, Surface pKa of octanoic, nonanoic, and decanoic fatty acids at the air–water interface: applications to atmospheric aerosol chemistry, Physical Chemistry Chemical Physics 19(39) (2017) 26551–26558.
18. Slavchov R., I.B. Ivanov, Effective osmotic cohesion due to the solvent molecules in a delocalized adsorbed monolayer, Journal of Colloid and Interface Science 532 (2018) 746–757.
19. Rudd B., Fundamental surface properties of simple fatty acid model systems of sea spray aerosols and the sea surface monolayer, PhD Thesis, Ohio State University, 2018.
20. Peng M., A.V. Nguyen, Adsorptioin of ionic surfactants at the air/water interface: The gap between theory and experiment, Advances in Colloid and Interface Science 275 (2020) Art. No. 102052.
21. Luo M., N.A. Wauer, K.J. Angle, A.C. Dommer, M. Song, C.M. Nowak, R.E. Amaro, V.H. Grassian, Insights into the behavior of nonanoic acid and its conjugate base at the air/water interface through a combined experimental and theoretical approach, Chemical Science 11 (2020) 10647–10656.

125 K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Micellar surfactant solutions: dynamics of adsorption at fluid interfaces subjected to stationary expansion, Colloids Surfaces A 282–283 (2006) 143–161. (**Citations: 6**)

1. Song Q., A. Couzis, P. Somasundaran, C. Maldarelli, A transport model for the adsorption of surfactant from micelle solutions onto a clean air/water interface in the limit of rapid aggregate disassembly relative to diffusion and supporting dynamic tension experiments, Colloids Surfaces A 282–283 (2006) 162–182.
2. Miller R., B.A. Noskov, V.B. Fainerman, J.T. Petkov, Impact of micellar kinetics on dynamic interfacial properties of surfactant solutions, Highlights in Colloid Science (2008) 247–259.
3. Bhole N.S., F. Huang, C. Maldarelli, Fluorescence visualization and modeling of a micelle–free zone formed at the interface between an oil and an aqueous micellar phase during interfacial surfactant transport, Langmuir 26(20) (2010) 15761–15778.

4. Song Q., M. Yuan, Visualization of an adsorption model for surfactant transport from micelle solutions to a clean air/water interface using fluorescence microscopy, J. Colloid Interface Sci. 357 (2011) 179–188.
5. Adami N., Surface tension and buoyancy in vertical soap films, PhD Thesis, Faculty of Sciences, Physics Department, University of Liege, 2013.
6. Lee L., J. Salimon, M.A. Yarmo, R. Syafri, M. Hisam, Effect of structure on surfactant properties, J. Dispersion Scince and Technology 34(7) (2013) 914–922.

124 K.D. Danov, P.A. Kralchevsky, Electric forces induced by a charged colloid particle attached to the water–nonpolar fluid interface, J. Colloid Interface Sci. 298 (2006) 213–231. (**Citations: 41**)

1. Pitkonen M., Polarizability of the dielectric double–sphere, J. Math. Physics 47(10) (2006) Art. No. 102901.
2. Dominquez A., M. Oettel, S. Dietrich, Theory of capillary–induced interactions beyond the superposition approximation, J. Chem. Phys. 127(20) (2007) Art. No. 204706.
3. Colloidal paricles at liquid interfaces, PCCP 9 (2007) 6298–6299.
4. Frydel D., S. Dietrich, M. Oettel, Charge renormalization for effective interactions of colloids at water interfaces, Phys. Rev. Lett. 99(11) (2007) Art. No. 118302.
5. Pitkonen M., An explicit solution for the electric potential of the asymmetric dielectric double sphere, J. Physics D: Applied Physics 40(5) (2007) 1483–1488.
6. Aubry N., P. Singh, Electrostatic forces on particles floating within the interface between two immiscible fluids, ASME International Mechanical Engineering Congress and Exposition, Proceedings, 8 B (2008) 1969–1976.
7. Aubry N., P. Singh, Physics underlying controlled self–assembly of micro– and nanoparticles at a two–fluid interface using an electric field, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 77(5) (2008) Art. No. 056302.
8. Dominquez A., M. Oettel, S. Dietrich, Force balance of particles trapped at fluid interfaces, Journal of Chemical Physics 128 (11) (2008) Art. No. 114904.
9. Dominquez A., M. Oettel, S. Dietrich, Multipole expansion of the electrostatic interaction between charged colloids at interfaces, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 77 (2) (2008) Art. No. 020401.
10. Oettel M., S. Dietrich, Colloidal interactions at fluid interfaces, Langmuir 24(4) (2008) 1425–1441.
11. Park B.J., J.P. Patina, E.M. Furst, M. Oettel, S. Reynaert, J. Vermant, Direct measurements of the effects of salt and surfactant on interaction forces between colloidal particles at water–oil interfaces, Langmuir 24 (5) (2008) 1686–1694.
12. Steinchen A., From dispersed nano–objects to solutions – A thermodynamic approach, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 323(1–3) (2008) 163–166.
13. Ao Z., Z. Yang, J. Wang, G. Zhang, T. Nqai, Emulsion–templated liquid core – Polymer shell microcapsule formation, Langmuir 25(5) (2009) 2572–2574.
14. Ma H., L.L Dai, Structure of multi–component colloidal lattices at oil water interface, Langmuir 25(19) (2009) 11210–11215.
15. Dominguez A., Capillary forces between colloidal particles at fluid interfaces, in: Structure and Finctional properties of Colloidal Systems, 2010, Ch. 2.
16. Ma H., L.L. Dai, Structure of multi–component colloidal lattices at oil–water interfaces, 2010 AIChE Annual Meeting, 10AIChE; Salt Lake City, UT; 7 November 2010 through 12 November 2010; Code 83459.
17. Pitkonen M., Exact solution for some spherical electrostatic scattering problems, PhD Thesis, Faculty of Electronics, Aalto University, Finland, 2010.
18. Aubry N.N., Pushpendra S., S. Nuburupati, M.M. Janjua, Apparatuses and methods for control and slef-assembly of particles into adaptable monolayers, US Patent and Trademark Office Granted Patent, november 2011.
19. Ma H., L.L. Dai, Particle self–assembly in ionic liquid–in–water pickering emulsions, Langmuir 27(2) (2011) 508–512.
20. Jung J., T.G. Pedersen, Polarizability of of supported metal nanoparticles: Mehler-Fock approach, Journal of Applied Physics 112(6) (2012) Art. No. 064312.
21. Sang W., V.L. Morales, W. Zhang, C.R. Stoof, B. Gao, A.L. Schatz, Y. Zhang, T.S. Steenhuis, Quantification of colloid retention and release by straining and energy minima in variably saturated porous media, Environmental Science and Technology 47(15) (2013) 8256–8264.
22. Liemert A., Explicit solution for the electrostatic potential of the conductiong double sphere, Journal of Applied Physics 115(16) (2014) Art. No. 164907.

23. Maestro A., Guzman E., Ortega F., Rubio R.G., Contact angle of micro- and nanoparticles at fluid interfaces, Current Oppinion in Colloid and Interface Science 19(4) (2014) 355–367.
24. Tsabet E., De la particule au procede: modelisation de la production d'emulsions de pickering, PhD Thesis, Montreal Unicersity, 2014.
25. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
26. Bossa G.V., J. Roth, K. Bohinc, S. May, The apparent charge of nanoparticles trapped at a water interface, Soft Matter 12(18) (2016) 4229–4240.
27. Bossa G.V., K. Bohinc, M.A. Brown, S. May, Dipole moment of a charged particle trapped at the air-water interface, Journal of Physical Chemistry B 120(26) (2016) 6278–6285.
28. Esquena J., Low-density solid foams prepared by simple methods using highly concentrated emulsions as templates, Colloid and Interface Chemistry for Nanotechnology 2016 199–218.
29. Lishchuk S.V., Dilatational viscosity of dilute particle-laden fluid interface at different contact angles, Physical Review E 94(6) (2016) Art. No. 063111.
30. Joung Y.S., R.B. Ramirez, E. Bailey, R. Adenekan, C.R. Buie, Conductive hydrogel films produced by freestanding electrophoretic deposition and polymerization at the interface of immiscible liquids, Composites Science and Technology 153 (2017) 128–135.
31. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
32. Dietrich K., G. Volpe, M.N. Sulaiman, D. Renglli, I. Buttinoni, L. Isa, Active atoms and interstitials in two-dimensional colloid crystals, Physical Review Letters 120(26) (2018) Art. No. 268004.
33. Eigenbrod M., F. Bihler, S. Hardt, Electrokinetics of a particle attached to a fluid interface: Electrophoretic mobility and interfacial deformation, Physical Review Fluids 3 (2018) Art. No. 103701.
34. Hu Y., P. Vlahovska, M.J. Miksis, Dielectric spherical particle on an interface in an applied electric field, SIAM Journal of Applied Mathemetics 70(3) (2019) 850–875.
35. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
36. Dietrich K., Artificial microswimmers at liquid-liquid interfaces, PhD Thesis, ETH, Zurich, 2020.
37. Hardt S., J. Hartmann, S. Zhao, A. Bandopadhyay, Electric field-inducced pattern formation in layers of DNA molecules at the interface between two immiscible liquids, Physical Review Letters 124 (2020) Art. No. 064501.
38. Avazpour R., M. Latifi, J. Chaouki, L. Fradette, An environmentally friendly route for beneficiation of rare earth-bearing minerals by Pickering emulsification: adjusting the interfacial and formulation parameters, Green Chemistry 22 (2020) 5771–5784.
39. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
40. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.
41. I. Buttinoni, R.P.A. Dullens, Mechanical properties of colloidal crystals at fluid interfaces, J. Phys. Materials 4 (2021) Art. No. 025001.

123 K.D. Danov, P.A. Kralchevsky, M.P. Boneva, Shape of the capillary meniscus around an electrically charged particle at a fluid interface: comparison of theory and experiment, Langmuir 22 (2006) 2653–2667. (**Citations: 29**)

1. Loudet J.C., A.G. Yodh, B. Pouligny, Wetting and contact lines of micrometer–sized ellipsoids, Phys. Rev. Lett. 97(1) (2006) Art. No. 018304.
2. Würger A., Curvature–induced capillary interaction of spherical particles at a liquid interface, Phys. Rev. E 74(4) (2006) Art. No. 041402.
3. Dominquez A., M. Oettel, S. Dietrich, Theory of capillary–induced interactions beyond the superposition approximation, J. Chem. Phys. 127(20) (2007) Art. No. 204706.
4. Ray M.A., L. Jia, Micropatterning by non–densely packed interfacial colloidal crystals, Advanced Materials 19(15) (2007) 2020–2022.
5. Dominquez A., M. Oettel, S. Dietrich, Force balance of particles trapped at fluid interfaces, Journal of Chemical Physics 128(11) (2008) Art. No. 114904.
6. Oettel M., S. Dietrich, Colloidal interactions at fluid interfaces, Langmuir 24(4) (2008) 1425–1441.
7. Oettel M., A. Dominquez, M. Tasinkevych, S. Dietrich, Effective interactions of colloids on nematic films, European Physical Journal E 28(2) (2009) 99–111.
8. Ray M.A., N. Shewmon, S. Bhawalkar, L. Jia, Y. Yang, E.S. Daniels, Submicrometer surface patterning using interfacial colloidal particle self–assembly, Langmuir 25(13) (2009) 7265–7270.

9. Domingues, A., Structure and Functional Properties of Colloidal Systems, Hidalgo–Alvarez, R. (Ed.), CRC Press, Boca Raton, FL, 2010; p. 55.
10. Lenhert S., C.A. Mirkin, H. Fuchs, In situ lipid dip–pen nanolithography under water, Scanning 32(1) (2010) 15–23.
11. Gharby M.A., Comportement de colloides pieges aux interfaces de nematiques, PhD Thesis, University Monpellier II, 2011.
12. Loudet J.C., B. Pouligny, How do mosquito eggs self-assemble on the water surface? European Physical Journal E 34(8) (2011) Art, No. 76.
13. Yang S., Y. Lei, Recent progress on surface pattern fabrications based on monolayer colloidal crystal templates and related applications, Nanoscale 3(7) (2011) 2768–2782.
14. Brileya K.A., Ecophysiology of methanococcus maripaludis and desulfovibrio: The role of structure in relation to function, PhD Thesis, Montana State University, 2013.
15. Inui N., K. Goto, Thermal fluctuation of a metal disk levitated by the Casimir force above a liquid-liquid interface, Journal Physical Society Japan 84 (2015) Art. No. 044007.
16. Wang D., R. Hu, M.J. Skaug, D.K. Schwartz, Temporally anticorrelated motion of nanoparticles at a liquid interface, J. Physical Chemistry Letters 6(1) (2015) 54–59.
17. Esquena J., Low-density solid foams prepared by simple methods using highly concentrated emulsions as templates, Colloid and Interface Chemistry for Nanotechnology 2016 199–218.
18. Ridel L., M.-A. Bolzinger, N. Gilon-Delepine, P.-Y. Dugas, Y. Chevalier, Pickering emulsions stabilized by charged nanoparticles, Soft Matter 12(36) (2016) 7564–7576.
19. Luo A.M., Rheology and thermodynamics of particle-stabilized fluid interfaces, PhD Thesis, Eth Zurich, 2017.
20. Eigenbrod M., F. Bihler, S. Hardt, Electrokinetics of a particle attached to a fluid interface: Electrophoretic mobility and interfacial deformation, Physical Review Fluids 3 (2018) Art. No. 103701.
21. Gabovich A.M., A.I. Voitenko, Electrostatic interaction near the interface between dielectric media taking into account the nonlocality of the Coulomb field screening, Journal of Molecular Liquids 267 (2018) 166–176.
22. Lokanathan M., E. Wikramanayake, V. Bahadur, R. Bonnecaze, Dielectrophoretic control of a droplet at the interface of two liquids in a three liwuid systems, ASME Proceedings (IMECE) 7 (2018) Art. No. 144113.
23. Wu L., X. Wang, G. Wang, G. Chen, In situ X-ray scattering observation of two-dimensional interfacial colloidal crystallization, Nature Communications 9(1) (2018) Art. No. 1335.
24. Eslami F., J.A.W. Elliot, Gibbsian thermodynamic study of capillary meniscus depth, Scientific Reports 9(1) (2019) Art. No. 657.
25. Luo A.M., J. Vermant, P. Ilg, Z. Zhang, L.M.C. Sagis, Self-assembly of colloidal particles at fluid-fluid interfaces with and empirical pair potential, Journal of Colloid and Interface Science 534 (2019) 205–214.
26. Zhu X., D. Wang, V.S.J. Craig, Interaction of particles with surfactant thin films: Implications for dust suppression, Langmuir 35(24) (2019) 7641–7649.
27. Elsami F., J.A.W. Elliott, Gibsian thermodynamic study of capillary meniscus depth, Scientific Reports 9 (2019) Art. No. 657.
28. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
29. Li Y., L. Wang, J. Li, S. Yang, C. Chen, C. Li, X. Li, In-situ observation on the agglomeration and dispersion of particles at the interface of high-temperature melts, ISIJ Inernational 61 (2021) 753–762.

122 K.D. Danov, P.A. Kralchevsky, N.D. Denkov, K.P. Ananthapadmanabhan, A. Lips, Mass transport in micellar surfactant solutions. 2. Theoretical modeling of adsorption at a quiescent interface, Adv. Colloid Interface Sci. 119 (2006) 17–33. (**Citations: 24**)

1. Delgado C., D. Lopez–Diaz, M.D. Merchan, M.M. Velazquez, Effect of micelles on the dynamic surface tension of zwitterionic surfactants, Tenside, Surfactants, Detergents 43(4) (2006) 192–196.
2. Fainerman V.B., V.D. Mys, A.V. Makievski, J.T. Petkov, R. Miller, Dynamic surface tension of micellar solutions in the millisecond and submillisecond time range, J. Colloid Interface Sci. 302(1) (2006) 40–46.
3. Song Q., A. Couzis, P. Somasundaran, C. Maldarelli, A transport model for the adsorption of surfactant from micelle solutions onto a clean air/water interface in the limit of rapid aggregate disassembly relative to diffusion and supporting dynamic tension experiments, Colloids Surfaces A 282–283 (2006) 162–182.
4. Fainerman V.B., J.T. Petkov, R. Miller, Surface dilational viscoelasticity of $C_{14}EO_8$ micellar solution studied by bubble profile analysis tensiometry, Langmuir 24 (2008) 6447–6452.

5. Vassilieff C.S., B.N. Nickolova, E.D. Manev, Thinning of foam films of micellar surfactant solutions. Nonionic surfactants $C_{10}H_{21}(OC_2H_4)_8OH$ and $C_{12}H_{25}(OC_2H_4)_8OH$, Colloid Polym. Sci. 286 (2008) 475–480.
6. Fainerman V.B., A.V. Mys, E.V. Aksenenko, A.V. Makievski, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of Triton surfactants. 4. Dynamic surface tension and dilational visco–elasticity of micellar solution, Colloids and Surfaces A: Physicochemical and Engineering Aspects 334(1–3) (2009) 22–27.
7. Miller R., B.A. Noskov, V.B. Fainerman, J.T. Petkov, In: Highlights in Colloid Science, D. Platikanov and D. Exerowa (Eds.), Wiley, New York, 2009; 247–259.
8. Bhole N.S., F. Huang, C. Maldarelli, Fluorescence visualization and modeling of a micelle–free zone formed at the interface between an oil and an aqueous micellar phase during interfacial surfactant transport, Langmuir 26(20) (2010) 15761–15778.
9. Fainerman V.B., E.V. Aksenenko, A.V. Mys, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed SDS/C_nEO_m, solutions. 3. Dynamics of adsorption and surface dilational rheology of micellar solutions, Langmuir 26(4) (2010) 2424–2429.
10. Fainerman V.B., S.V. Lylyk, E.V. Aksenenko, J.T. Petkov, J. Yorke, R. Miller, Surface tension isotherms, adsorption dynamics and dilational visco–elasticity of sodium dodecyl sulphate solutions, Colloid Surfaces A 354(1–3) (2010) 8–15.
11. Merchan M.D., M.M. Velazguez, Properties of CHAPS micelles modulated by different polyelectrolytes, Colloids Surfaces A 366(1–3) (2010) 12–17.
12. Miller R., J.K. Ferri, A. Javadi, J. Kragel, N. Mucic, R. Wustneck, Rheology of interfacial layers, Colloid and Polumer Science 288(9) (2010) 937–950.
13. Miller, R., Fainerman, V. B., Kovalchuk, V. I., Liggieri, L., Loglio, G., Noskov, B. A., et al. (2010). Surface dilatational rheology. In P. Somasundaran, & A. Hubbard (Eds.), Encyclopedia of Surface and Colloid Science (pp. 1-18). New York: Taylor & Francis.
14. Fainerman V.B., R. Miller, Maximum bubble pressure tensiometry: theory, analysis of experimental constrains and applications, Bubble and Drop Interfaces, Progres in Colloid and Interface Science, Vol.2, 2011, 75–118.
15. Gregson C.M., Y. Rong, M. Sillick, A. Parker, Measurement of Dynamic Interfacial Tension in a Carbohydrate Melt at High Temperature Using a Drop Volume Tensiometer, Food Biophysics 6(1) (2011) 94–105.
16. Maia F.C.B., Estudo da interação interfacial entre polímeros semicondutores e metais ou surfactantes, PhD Thesis, Instituto de Fisika, Sao Carlos, 2011.
17. Song Q., M. Yuan, Visualization of an adsorption model for surfactant transport from micelle solutions to a clean air/water interface using fluorescence microscopy, J. Colloid Interface Sci. 357 (2011) 179–188.
18. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Influence of solubilized dodecane on the dynamic surface tension and dilatational rheology of micellar Triton-X45 and SDS solutions, Colloid Surfaces A 413 (2012) 125–129.
19. Gabrieli R., G. Loglio, P. Pandolfini, A. Fabbri, M. Simoncini, V.I. Kovalchuk, B.A. Noskov, A.V. Makievski, J. Kragel, R. Miller, F. Ravera, L. Liggieri, Spherical cap-shaped emulsion films: Thickness evaluation at the nanoscale level by optical evanescent wave effect, Colloids and Surfaces A 413 (2012) 101–107.
20. Theiner E.R., High throughput evaluation of the influence of inorganic salt solutions on noionic, PhD Thesis, Lehigh University, 2012.
21. Ampatzidis C.D., E.-M.A. Varka, T.D. Karapantsios, Adsorption behavior of non-conventional eco-friendly tyrosine glycerol ether surfactants, Colloid Surfaces 438 (2013) 104–111.
22. He Y., Study of the interfacial properties of surfactants and their interaction with DNA, PhD Thesis, Universite Paris-Sud, 2013.
23. Ampatzidis C.D., E.-M.A. Varka, T.D. Karapantsios, Dynamic surface properties of eco-friendly phenylalanine glycerol ether surfactants at the W/A interfaces, Colloid Surfaces 441 (2014) 872–879.
24. Lapucha J., Liquid content predictors for aqueous foams, PhD Thesis, Tulane University, 2018.

121 K.D. Danov, P.A. Kralchevsky, N.D. Denkov, K.P. Ananthapadmanabhan, A. Lips, Mass transport in micellar surfactant solutions. 1. Relaxation of micelle concentration, aggregation number and polydispersity, Adv. Colloid Interface Sci. 119 (2006) 1–16. (**Citations: 35**)

1. Delgado C., D. Lopez–Diaz, M.D. Merchan, M.M. Velazquez, Effect of micelles on the dynamic surface tension of zwitterionic surfactants, Tenside, Surfactants, Detergents 43(4) (2006) 192–196.
2. Fainerman V.B., V.D. Mys, A.V. Makievski, J.T. Petkov, R. Miller, Dynamic surface tension of micellar solutions in the millisecond and submillisecond time range, J. Colloid Interface Sci. 302(1) (2006) 40–46.

3. Song Q., A. Couzis, P. Somasundaran, C. Maldarelli, A transport model for the adsorption of surfactant from micelle solutions onto a clean air/water interface in the limit of rapid aggregate disassembly relative to diffusion and supporting dynamic tension experiments, Colloids Surfaces A 282–283 (2006) 162–182.
4. Fainerman V.B., J.T. Petkov, R. Miller, Surface dilational viscoelasticity of $C_{14}EO_8$ micellar solution studied by bubble profile analysis tensiometry, Langmuir 24 (2008) 6447–6452.
5. Haller, J., Ultraschallabsorbtionsspectroskopie zur Untersuchung schneller molekularer Prozesse in Alkylglykosit–Loesungen, Ph.D Thesis, Goetingen University, 2008.
6. Vassilieff C.S., B.N. Nickolova, E.D. Manev, Thinning of foam films of micellar surfactant solutions. Nonionic surfactants $C_{10}H_{21}(OC_2H_4)_8OH$ and $C_{12}H_{25}(OC_2H_4)_8OH$, Colloid Polym. Sci. 286 (2008) 475–480.
7. Fainerman V.B., A.V. Mys, E.V. Aksenenko, A.V. Makievski, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of Triton surfactants. 4. Dynamic surface tension and dilational visco–elasticity of micellar solution, Colloids and Surfaces A: Physicochemical and Engineering Aspects 334(1–3) (2009) 22–27.
8. Miller R., B.A. Noskov, V.B. Fainerman, J.T. Petkov, Imapct of micellar kinetics on dynamic interfacial properties of surfactant solutions, in: Highlights in Colloid Science, D. Platikanov and D. Exerowa (Eds.), Wiley, New York, 2009, Ch. 13.
9. Bhole N.S., F. Huang, C. Maldarelli, Fluorescence visualization and modeling of a micelle–free zone formed at the interface between an oil and an aqueous micellar phase during interfacial surfactant transport, Langmuir 26(20) (2010) 15761–15778.
10. Dopierala K., K. Prochaska, Dynamics of adsorption in micellar and non micellar solutions of derivatives of lysosomotropic substances, Adv. Colloid Interface Sci. 156(1–2) (2010) 62–69.
11. Fainerman V.B., E.V. Aksenenko, A.V. Mys, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed SDS/C_nEO_m, solutions. 3. Dynamics of adsorption and surface dilational rheology of micellar solutions, Langmuir 26(4) (2010) 2424–2429.
12. Fainerman V.B., S.V. Lylyk, E.V. Aksenenko, J.T. Petkov, J. Yorke, R. Miller, Surface tension isotherms, adsorption dynamics and dilational visco–elasticity of sodium dodecyl sulphate solutions, Colloid Surfaces A 354(1–3) (2010) 8–15.
13. Merchan M.D., M.M. Velazguez, Properties of CHAPS micelles modulated by different polyelectrolytes, Colloids Surfaces A 366(1–3) (2010) 12–17.
14. Fainerman V.B., R. Miller, Maximum bubble pressure tensiometry: theory, analysis of experimental constrains and applications, Bubble and Drop Interfaces, Progres in Colloid and Interface Science, Vol.2, 2011, 75–118.
15. Song Q., M. Yuan, Visualization of an adsorption model for surfactant transport from micelle solutions to a clean air/water interface using fluorescence microscopy, J. Colloid Interface Sci. 357 (2011) 179–188.
16. Gabrielli R., G. Loglio, P. Pandolfini, A. Fabbri, M. Simoncini, V.I. Kovalchuk, B.A. Noskov, A.V. Makievski, J. Kragel, R. Miller, F. Ravera, L. Liggieri, Spherical cap-shape emulsion films: thickness evaluation at the nanoscale level by the optical evanescent wave effect, Colloid Surfaces A 413 (2012) 101–107.
17. Heinzelmann G., W. Figueired, M. Girardi, Micellar dynamics and water-water hydrogen-bonding from temperature-jump Monte-Carlo simulations, Chemical Physics Letters 550 (2012) 83–87.
18. Hoskins C., P.K.T. Lin, L. Tetley, W.P. Cheng, Novel fluorescent amphiphilic poly(allylamine) and their supramacromolecular self-assemblies in aqueous media, Polymers for Advanced Technologies 23(3) (2012) 710–719.
19. Theiner E.R., High throughput evaluation of the influence of inorganic salt solutions on noionic, PhD Thesis, Lehigh University, 2012.
20. Wang W., S. Hao, K. Li, J. Gong, Prediction of the interfacial rheological properties of the iol-water emulsion droplets, paper.edu.cn, 2012.
21. Zeng Y., Y. Zeng, Structuring of nonionic surfactant micelles, in: Colloidal Dispersions Under Slit-Pore confinement, Springer, 2012, 99–111.
22. Ampatzidis C.D., E.-M.A. Varka, T.D. Karapantsios, Adsorption behavior of non-conventional eco-friendly tyrosine glycerol ether surfactants, Colloid Surfaces 438 (2013) 104–111.
23. He Y., Study of the interfacial properties of surfactants and their interaction with DNA, PhD Thesis, Universite Paris-Sud, 2013.
24. Javadi A., N. Mucic, M. Karbaschi, J.Y. Won, M. Lolfi, A. Dan, V. Ulaganathan, G. Gochev, A.V. Makievski, V.I. Kovalchuk, N.M Kovalchuk, J. Kragel, R. Miller, Characterization methods for liquid interfacial layers, European Physical Journal: Special Topics 222(1) (2013) 7–29.
25. Wang W., K. Li, S. Hao, J. Gong, Interfacial rheological properties of oil/water droplet with dynamic adsorption models, CIESC Journal 64(8) (2013) 2947–2955.

26. Ampatzidis C.D., E.-M.A. Varka, T.D. Karapantsios, Dynamic surface properties of eco-friendly phenylalanine glycerol ether surfactants at the W/A interfaces, Colloid Surfaces 441 (2014) 872–879.
27. Babintsev I.A., L.T. Adzhemyan, A.K. Shchekin, Multi-scale times and modes of fast and slow relaxation in solutions with coexisting spherical and cylindrical micelles according to the difference Becker-Döring kinetic equations, J. Chem. Phys. 141(6) (2014) Art. No. 064901.
28. Heinzelmann G., P. Seide, W. Figueiredo, Dynamics of micelle formation from temperature-jump Monte-Carlo simulations, Physical Review E 92(5) (2015) Art. No. 052305.
29. Mushtag M., I.M. Tan, U. Rashid, M. Sagir, M. Mumtaz, Effect of pH on the static adsorption of foaming surfactants on Malaysian sandstone, Arabian Journal of Geosciences 8(10) (2015) 8539–8548.
30. Yuan F., S. Wang, R.G. Larson, Potentials of Mean Force and Escape Times of Surfactants from Micelles and Hydrophobic Surfaces Using Molecular Dynamics Simulations, Langmuir 31(4) (2015) 1336–1343.
31. Владимировна Ш.Ю., Матричная полимеризация йонных мономеров на мицелах противоположно заряженных ПАВ: синтез, структура и свойства продуктов, Дисертация доктора химических наук, Волгоградский Государственны Технический Университет, Волгоград 2016.
32. Shchekin A.K., L.T. Adzhemyan, I.A. Babinsev, N.A. Volkov, Kinetiks of aggregation and relaxation in micellar surfactant solutions, Colloid Journal 80(2) (2018) 107–140.
33. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
34. Sagir M., M. Mushtag, M.S. Tahir, M.B. Tahir, A.R. Shaik, Chalenges of chemical EOR, Surfactants for Enhanced Oil Recovery Applications, Springer (2020) 117–129.
35. Kumar N., A. Mandal, Wettability alteration of sandstone rock by surfactant stabilized nanoemulsion for enhanced oil recovery—A mechanistic study, Colloids and Surfaces A 601 (2020) Art. No. 125043.

120 K.D. Danov, P.A. Kralchevsky, Reply to comment on electrodipping force acting on solid particles at a fluid interface, Langmuir 22 (2006) 848–849. (**Citations: 22**)

1. Ngai T., H. Auweter, S.H. Behrens, Environmental responsiveness of microgel particles and particle–stabilized emulsions, Macromolecules 39(23) (2006) 8171–8177.
2. Reynaert S., P. Moldenaers, J. Vermant, Control over colloidal aggregation in monolayers of latex particles at the oil–water interface, Langmuir 22(11) (2006) 4936–4945.
3. Colloidal particles at fluid interfaces, PCCP 9 (2007) 6298–6299.
4. Dominquez A., M. Oettel, S. Dietrich, Theory of capillary–induced interactions beyond the superposition approximation, J. Chem. Phys. 127(20) (2007) Art. No. 204706.
5. Wu S., A. Nikolov, D. Wasan, Role of collective interactions in self–assembly of charged particles at liquid interfaces, Can. J. Chem. Eng. 85(5) (2007) 562–569.
6. Bohley C., R. Stannarius, Inclusions in free standing smectic liquid crystal films, Soft Matter 4(4) (2008) 683–702.
7. Dominquez A., M. Oettel, S. Dietrich, Force balance of particles trapped at fluid interfaces, Journal of Chemical Physics 128 (11) (2008) Art. No. 114904.
8. Fan D., P.J. Thomas, P. O'Brien, Pyramidal leed sulfide crystallites with heigh energy {113} facets, J. of the Americal Chemical Society 130(33) (2008) 10892–10894.
9. Lehle H., M. Oettel, Stability and interactions of nanocolloids at fluid interfaces: Effects of capillary waves and line tensions, Journal of Physics: Condensed Matter 20(40) (2008) Art. No. 404224.
10. Lewandowski E.P., J.A. Bernate, P.C. Searson, K.J. Stebe, Rotation and alignment of anisotropic particles on nonplanar interfaces, Langmuir 24(17) (2008) 9302–9307.
11. Oettel M., S. Dietrich, Colloidal interactions at fluid interfaces, Langmuir 24 (4) (2008) 1425–1441.
12. Oettel M., A. Dominquez, M. Tasinkevych, S. Dietrich, Effective interactions of colloids on nematic films, European Physical Journal E 28(2) (2009) 99–111.
13. Dominquez A., Capillary forces between colloidal particles at fluid interfaces, in: Structure and Functional Properties of Colloidal Systems, CRC Press, 2010, Ch. 2.
14. Xu H., J. Kirkwood, M. Lask, G. Fuller, Charge interaction between particle–laden fluid interfaces, Langmuir 26(5) (2010) 3160–3164.
15. Ma H., L.L. Dai, Particle self–assembly in ionic liquid–in–water pickering emulsions, Langmuir 27(2) (2011) 508–512.
16. Thomas P.J., D. Fan, P. O'Brien, Interfacial synthesis of pyramidal lead sulfide crystallites with high energy {331} facets, J. Colloid Interface Sci. 354(1) (2011) 210–218.
17. Zeng C., Capillary interactions among microparticles and nanoparticles at fluid interfaces, PhD Thesis, University of Massachusetts, 2011.

18. Thomas P.J., E. Mbufu, P. O'Brien, Thin films of metals, metal chalcogenides and oxides deposited at the water-oil interface using molecular precursors, Chemical Communications 49(2) (2013) 118−127.
19. Al Chaghouri, M.A. Malik, P.J. Thomas, P. O'Brien, Assembly of submicron sized Ag, Co and Ni particles into thib films at liquid/liquid interfaces, Journal of Nanosicence and Nanotechnology 16(5) (2016) 5420–5425.
20. Eigenbrod M., F. Bihler, S. Hardt, Electrokinetics of a particle attached to a fluid interface: Electrophoretic mobility and interfacial deformation, Physical Review Fluids 3 (2018) Art. No. 103701.
21. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
22. Barakat J.M., T.M. Squires, Capillary force on an 'inert' colloid: A physical analogy to dielectrophoresis, Soft Matter 17 (2021) 3417–3442.

119 K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Particle−interface interaction across a nonpolar medium in relation to the production of particle−stabilized emulsions, Langmuir 22 (2006) 106–115. (**Citations: 45**)

1. Blonski S., P.M. Korczyk, T.A. Kowalewski, Analysis of turbulence in a micro−channel emulsifier, International Journal of Thermal Sciences 46(11) (2007) 1126−1141.
2. He Y., T. Li, X. Yu, S. Zhao, J. Lu, J. He, Tuning the wettability of calcite cubes by varying the sizes of the polystyrene nanoparticles attached to their surfaces, Applied Surface Scie. 253(12) (2007) 5320−5324.
3. Leunissen M.E., A. van Blaaderen, A.D. Hollingsworth, M.T. Sullivan, P.M. Chaikin, Electrostatics at the oil–water interface, stability, and order in emulsions and colloids, Proceedings of the National Academy of Sciences of the United States of America 104(8) (2007) 2585−2590.
4. Leunissen M.E., Manipulating Colloids with Charges and Electric Fields, Ph.D. Thesis, Utrecht University, The Netherlands, 2007.
5. Lunissen M.E., J. Zwanikken, R. van Roij, P.M. Chaikin, A. van Blaaderen, Ion partitioning at the oil–water interface as a source of tunable electrostatic effects in emulsions with colloids, Phys. Chem. Chem. Phys. 9(48) (2007) 6405−6414.
6. Slowicka A., Z.A. Walenta, Creating thin layers at the contact surface of two nonmixing liquids, Bulletin Polish Acad. Sci. 55(2) (2007) 173−178.
7. Zwanikken J., R. van Roij, Charged Colloidal Particles and Small Mobile Ions near the Oil–Water Interface: Destruction of Colloidal Double Layer and Ionic Charge Separation, Phys. Rev. Lett. 99 (2007) Art. No. 178301.
8. Zhao Y., Self-assembled lipid tubules: structures, mechanical properties, and applications, PhD Thesis, College of Engineering and Computer Science, University of Central Florida, 2007.
9. Lin I.–H., J.M. Koening Jr., J.J. de Pablo, N.L. Abbott, Ordering of solid microparticles at liquid crystal/water interfaces, Journal of Physical Chemistry B 112(51) (2008) 16552–16558.
10. Slowicka A., Badanie metoda dynamiki molekularnej powstawania wybranych nanostruktur w emulsjah, PhD Thesis, Instytut Podstawowych Problemow Techniki PAN, 2008.
11. Steinchen A., From dispersed nano−objects to solutions − A thermodynamic approach, Colloids and Surfaces A: Physicochemical and Engineering Aspects 323(1−3) (2008) 163−166.
12. Tsuji S., H. Kawaguchi, Thermosesitive Pickering emulsions stabilized by Poly(N–isopropylacrylamide)–caring particles, Langmuir 24 (2008) 3300−3305.
13. Xu T., M. Jin, Z. Xie, Z. Jiang, Q. Kuanng, H. Wu., R. Huang, L. Zheng, Tension of liquid interfaces: A general filter for the separation of micro-/nanoparticles, Langmuir 24(6) (2008) 2281–2283.
14. Barbadini F., A Fundamental Study of Particle-Substrate Interactions in Liquids of Low Polarity, PhD thesis, KU Leuven, Belgium, 2009.
15. Fortuna S., C.A.L. Colard, A. Troisi, S.A.F. Bon, Packing patterns of silica nanoparticles on surfaces of armored polystyrene latex particles, Langmuir 25(21) (2009) 12399−12403.
16. Parker, P.M., Editor, Interaction: Webster's Timeline History, 2006 (A–M), ICON Group International, Inc., San Diego, CA, 2009; p. 78.
17. Wu, Chin–Yuan, Particle Dynamics and Microrheology at Liquid–Liquid Interface, PhD Thesis, Texas Tech University, Lubbock, TX, USA, 2009.
18. Zwanikken J.W., Looking deeper into emulsions and suspensions ionic screening, fractionation, and adsorption, PhD Thesis, Utrecht University, 2009.
19. Constantino M.A., Ions em interfaces dieletricas de fluidos imisciveis: efeitos do tamanho ionico e curvatura interfacial, PhD Thesis, Universidade Estadual de Campinas, Brasil, 2010.
20. Tamashiro M.N., M.A. Constantino, Ions at the Water–Vapor Interface, Journal of Physical Chemistry B 114(10) (2010) 3583−3591.

21. Kwek J.W., I.U. Wakarelski, W.K. Ng, J.Y.Y. Heng, R.B.H. Tan, Novel parallel plate condenser for single particle electrostatic force measurements in atomic force microscope, Colloids and Surfaces A 385 (1–3) (2011) 206–212.
22. Abras D., G. Pranami, N.L. Abbott, The mobilities of micro- and nano-particles at interfaces of nematic liquid crystals, Soft Matter 8(6) (2012) 2026–2035.
23. Botto L., E.P. Lewandowski, M. Cavalarro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
24. Calzolari D.C.E., D. Pontoni, M. Deutsch. H. Reichert, J. Daillant, Nanoscale structure of surfactant-induced nanoparticle monolayers at the oil-water interface, Soft Matter 8(45) (2012) 11478–11483.
25. Garbin V., J.C. Crocker, K.J. Stebe, Nanoparticles at fluid interfaces: exploiting capping ligands to control adsorption, stability and dynamics, Journal of Colloid and Interface Sci. 387(1) (2012) 1–11.
26. Matope S., An application of Van der Waals's forces in micro-material handling, PhD Thesis, Faculty of Engineering, University of Stellenbosh, 2012.
27. Wang H., V. Singh, S.H. Behrens, Inage charge effects on the formation of pickering emulsions, Journal of Physical Chemistry Letters 3(20) (2012) 2986–2990.
28. Wang A., D.M. Kaz, R. McGorty, V.N. Manoharan, Relaxation dynamics of colloidal particles at liquid interfaces, AIP Conference Proceedings 1518 (2013) 336–343.
29. Nallamilli T., E. Mani, M.G. Basavaraj, A model for the prediction of droplet size in pickering emulsions stabilized by oppositely charged particles, Langmuir 30(31) (2014) 9336–9345.
30. Buchcic C., R.H. Tromp, M.B.J. Meinders, M.A. Cohen Stuart, Assembly of jammed colloidal shells onto micron-sized bubbles by ultrasound, Soft Matter 11(7) (2015) 1326–1334.
31. Boglaienko D., B. Tansel, Gravity induced densification of floating crude oil by granular materials: Effect of particle size and surface morphology, Science of the Total Environment 556 (2016) 146–153.
32. Everts J.C., Colloidal dispersions of repulsive nanoparticles: tunable effective interactions, phase behavior and anisotropy, PhD Thesis, Utrech University, 2016.
33. Everts J.C., S. Samin, R. Van Roij, Tuning colloid-interface interactions by salt partitioning, Physical Review Letters 117(9) (2016) Art. No. 098002.
34. Hu Y.-Q., S.-W. Yin, J.-H. Zhu, J.-R. Qi, J. Guo, L.-Y. Wu, C.-H. Tang, X.-Q. Yang, Fabrication and characterization of novel Pickering emulsions and Pickering high internal emulsions stabilized by gliadin colloidal particles, Food Hydrocolloids 61 (2016) 300–310.
35. Ridel L., M.-A. Bolzinger, N. Gilon-Delepine, P.-Y. Dugas, Y. Chevalier, Pickering emulsions stabilized by charged nanoparticles, Soft Matter 12(36) (2016) 7564–7576.
36. Schmuck M., S. Kalliadasis, General framework for adsorption processes on dynamic interfaces, Journal of Physics A 49(12) (2016) Art. No. 155502.
37. Wang L.-J., S.-W. Yin, L.-Y. Wu, J.-R. Qi, J. Guo, X.-Q. Yang, Fabrication and characterization of Pickering emulsions andoil gels stabilized by highly charged zein/chitosan complex particles, Food Chemistry 213 (2016) 462–469.
38. Boglaienko D., B. Tansel, Preferential positioning and phase exposure of granular particles at hydrophobic liquid-water interface, Journal of Cleaner Production 142 (2017) 2629–2636.
39. Amoanu D., Voltage-tunable 2D and 3D structures og gold nanoparticles at a water/1,2-dichloroethane interface, PhD Thesis, University of Illinois of Chikago, 2018.
40. Facal Marina P., J. Xu, X. Wu, H. Xu, Thinking outside the box: Placing hydrophilic particles in an oil phase for the formation and stabilization of Pickering emulsions, Chemical Science 9(21) (2018) 4821–4829.
41. Zhang J., Y. Song, D. Li, Electrokinetic motion of the polystyrene particle at a liquid-liquid interface, Journal of Colloid and Interface Science 509 (2018) 432–439.
42. Sofla S.J.D., L.A. James, Y. Zhang, Understanding the behanior of H^+-protected silica nanoparticles at the oil-water interface for enhanced oil recovery (EOR) applications, Journal of Molecular Liquids 274 (2019) 98–114.
43. Huang F., Y. Liang, Y. He, On the Pickering emulsions stabilized by calcium catbonate particles with various morphology, Colloids and Surfaces A 580 (2019) Art. No. 123722.
44. Wang A., J.W. Zvanikken, D.M. Kaz, R. McGorty, A.M. Goldfain, W.B. Rogers, V.N. Manoharan, Before the breach: Interactions between colloidal particles and liquid interfaces at nanoscale separations, Physical Review E 100 (2019) Art. No. 042605.
45. Taheri A., M. Kashaninejad, A.M. Tamaddon, S.M. Jafari, Comparison of binary cress seed mucilage (CSM)/β-lactoglobulin (BLG) and ternary CSG-BLG-Ca (calcium) complexes as emulsifiers: Interfacial behavior and freeze-thawing stability, Carbohydrate Polymers 266 (2021) Art. No. 118148.

118 I.B. Ivanov, K.D. Danov, K.P. Ananthapadmanabhan, A. Lips, Interfacial rheology of adsorbed layers with surface reaction: on the origin of the dilatational surface viscosity, Adv. Colloid Interface Sci. 114–115 (2005) 61–92. (**Citations: 99)**

1. Ravera F., M. Ferrari, E. Santini, L. Liggieri, Influence of surface processes on the dilational visco–elasticity of surfactant solutions, Adv. Colloid Interface Sci. 117(1–3) (2005) 75–100.
2. Aksenenko E.V., V.I. Kovalchuk, V.B. Fainerman, R. Miller, Surface dilational rheology of mixed adsorption layers at liquid interfaces, Adv. Colloid Interface Sci. 122(1–3) (2006) 57–66.
3. Andersen A., J. Oertegren, P. Koelsch, D. Wantke, H. Motschmann, Oscillating bubble SHG on surface elastic and surface viscoelastic systems: new insights in the dynamics of adsorption layers, J. Phys. Chem. B 110(37) (2006) 18466–18472.
4. Hannisdal A., Particle–Stabilized Emulsions and Heavy Crude Oils. Characterization, Stability Mechanism, and Interfacial Properties, PhD Thesis, Norwegian University of Science and Technology (NTNU), N–7491 Trondheim, Norway, 2006.
5. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
6. Ravera F., M. Ferrari, L. Liggieri, Modelling of dilational visco–elasticity of adsorbed layers with multiple kinetic processes, Colloids Surfaces A 282–283 (2006) 210–216.
7. Ritacco H., A. Cagna, D. Langevin, Oscillating bubble measurements of the compression viscoelasticity of mixed surfactant–polyelectrolyte surface layers, Colloids Surfaces A 282–283 (2006) 203–209.
8. Song X.W., Y.Y. Wang, X.L. Cao, L. Luo, L. Wang, L. Zhang, Y.X. Yue, S. Zhao, J.Y. Yu, Dilational viscoelastic properties of sodium alkyl benzene sulfonates with different structures at octane/water interface, Acta Physico–Chemica Sinica 22(12) (2006) 1441–1444.
9. Sosnowski T.R., M.K. Pawelec, L. Gradon, Influence of deformations on dynamic properties of gas–liquid interface in the presence of surfactants, Inzynieria Chemiczna i Procesowa 27(1) (2006) 93–106.
10. Wang L., R.–H. Yoon, Role of hydrophobic force in the thinning of foam films containing a nonionic surfactant, Colloids Surfaces A 282–283 (2006) 84–91.
11. Wang L., Surface Forces in Foam Films, PhD Thesis, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, 2006.
12. Wang L., R.–H. Yoon, Stability of foams in the presence of ionic and non-ionic surfactants, IMPC 2006, Proceedings, 2006, 453–458.
13. Aksenenko A.V., V.I. Kovalchuk, V.B. Fainerman, R. Miller, Surface dilational rheology of mixed surfactants layers at liquid interfaces, J. Phys. Chem. C 111(40) (2007) 14713–14718.
14. Friedrich C., Y.Y. Antonov, Interfacial relaxation in polymer blends and Gibbs elasticity, Macromolecules 40(4) (2007) 1283–1289.
15. Hannisdal A., P.V. Hemminqsen, A. Silset, J. Sjoblom, Stability of water/crude oil systems correlated to the physicochemical properties of the oil phase, J. Dispersion Science Technology 28(4) (2007) 639–652.
16. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30 oils, J. Dispersion Science Technology 28(3) (2007) 361–369.
17. Nobre T.M., T. Wokg, M.E.D. Zaniquelli, Equilibrium and dynamic aspects of dodecyltrimethylammonium bromide adsorption at the air/water interface in the presence of λ–carrageenan, J. Colloid Interface Sci. 305(1) (2007) 142–149.
18. Pavinatto F.J., A. Pavinatto, L. Caseli, D.S. Dos Santos Jr., T.M. Nobre, M.E.D. Zaniquelli, O.N. Oliveira Jr., Interaction of chitosan with cell membrane models at thr air–water interface, Biomacromolecules 8(5) (2007) 1633–1640.
19. Pavinatto F.J., L. Caseli, A. Pavinatto, D.S. Dos Santos Jr., T.M. Nobre, M.E.D. Zaniquelli, H.S. Silva, O.N. De Oliveira Jr., Probing chitosan and phospholipid interactions using Langmuir and Langmuir–blodgett films as cell membrane models, Langmuir 23(14) (2007) 7666–7671.
20. Caseli L., F.J. Pavinatto, T.M. Nobre, M.E.D. Zaniquelli, T. Vitala, O.N.Jr. Oliveira, Chitosan as a removing agent of β–lactoglobulin from membrane models, Langmuir 24(8) (2008) 4150–4156.
21. Hasenhuettl G.L., Forecasting the future of food emulsifiers, Food emulsiofiers and Their Applications, 2008, 359–402.
22. Kazakov V.N., V.B. Fainerman, P.G. Kondratenko, A.F. Elin, O.V. Sinyachenko, R. Miller, Dilational rheology of serum albumin and blood serum solutions as studied by oscillating drop tensiometry, Colloids and Surfaces B: Biointerfaces 62 (1) (2008) 77–82.
23. Li Y.M., G.Y. Xu, X. Xin, X.R. Cao, D. Wu, Dilational surface viscoelasticity of hydroxypropyl methyl cellulose and CnTAB at air–water surface, Carbohydrate Polymers 72 (2) (2008) 211–221.
24. Malysa K., K. Lunkenheimer, Foams under dynamic conditions, Current Opinion in Colloid and Interface Science 13(3) (2008) 150–162.

25. Ravera F., M. Ferrari, L. Liggieri, G. Loglio, E. Santini, A. Zanobini, Liquid–liquid interfacial properties of mixed nanoparticle–surfactant systems, Colloids and Surfaces A: Physicochemical and Engineering Aspects 323(1–3) (2008) 99–108.
26. Wang L., R.H. Yoon, Effects of surface forces and film elasticity on foam stability, Int. J. Mineral Processing 85(4) (2008) 101–110.
27. Yoon R.–H., L., Wang, A response to the comment on "hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: Effect of electrolyte", Langmuir 24(9) (2008) 5194–5196.
28. Zhang H., G. Xu, D. Wu, S. Wang, Aggregation of cetyltrimethylammonium bromide with hydrolyzed polyacrylamide at the paraffin oil/water interface: Interfacial rheological behavior study, Colloids and Surfaces A: Physicochemical and Engineering Aspects 317(1–3) (2008) 289–296.
29. Zhang L., X.–C. Wang, Q.–T. Gong, L. Zhang, L. Luo, S. Zhao, J.–Y. Yu, Interfacial dilational properties of tri–substituted alkyl benzene sulfonates at air/water and decane/water interfaces, Journal of Colloid and Interface Science 327(2) (2008) 451–458.
30. Zhang L., L. Luo, S. Zhao, J.-Y. Yu, Ultra low interfacial tension and interfacial dilatational properties related to enhanced oil recovery, Petroleum Science Research Progress (2008) 81–140.
31. Fainerman V.B., Dilatational behavior of mixed protein-surfactant layers, in: Interfacial Rheology, R. Miller and L. Liggiery Eds., 2009, Ch. 9.
32. Fainerman V.B., E.V. Aksenenko, S.V. Lylyk, A.V. Makievski, F. Ravera, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of Tritons surfactants. 3. Dilational visco–elasticity, Colloids and Surfaces A: Physicochemical and Engineering Aspects 334(1–3) (2009) 16–21.
33. Henry C., Bubbles, thin films and ion specificity, PhD Thesis, The Australian Natural University, 2009.
34. Lan Q., J. Zhang, L.I. Gongrang, Y. Xue, Research progress made of foams under dynamic condition, Drilling Fluid and Completion Fluid 26(4) (2009) 62–65+94.
35. Li Z.Q., L. Zhang, F. Yan, L. Zhang, S. Zhao, J.Y. Yu, Surface dilatational properties of n–alcyltaurate amphiphiles with aromatic sode chains, Acta Physico Chimica Sinica 25(9) (2009) 1939–1944.
36. Liggieri L, F. Ravera, Rheologu of surfactant adsorption layers, in: Interfacial Rheology, R. Miller and L. Liggiery Eds., 2009, Ch. 5.
37. Pauchard V., J. Sjoblom, S. Kokal, P. Bouriat, C. Dicharry, H. Muller, A.A. Hajji, Role of naphthenic acids in emulsion tightness for a low–total–acid–number (TAN)/high–asphaltenes oil, Energy and Fuels 23(3) (2009) 1269–1279.
38. Sinyachenko O., V.B. Fainerman, Elasticity as a diagnostic tool in medicine, in: Interfacial Rheology, R. Miller and L. Liggiery Eds., 2009, Ch. 13.
39. Xulong C., C. Xiaohong, L. Xiulan, Z. Shengwen, Z. Yanyan, X. Guiying, Study on the aggregation behavior of surfactant at interface by the dilatational rheological methods, Chemistry Bulletin / Huaxue Tongbao 72(6) (2009) 507–515.
40. Zhang L., Q.–T. Gong, Z.–H. Zhou, W.–N. Wang, L. Zhang, S. Zhao, J.–Y. Yu, Study of interfacial dilational properties ny the spinning drop technique, Wuli Huaxue Xuebau / Acta Physico Chimica Sinica 25(1) (2009) 41–46.
41. Zhang L., X.C. Wang, Q. T. Gong, L. Luo, L. Zhang, S Zhau, J. Yong–Yu, Effect of Electrolyte on the Interfacial Dilational Properties of Sodium 4,5–Diheptyl–2–propylbenzene Sulfonate at the Oil–Water Interface, J. Dispersion Sci. Technology 30(2) (2009) 217–221.
42. Berg G., L.E. Lundgaard, N. Abi–Chebel, Electrically stressed water drops in oil, Chemical Engineering and Processing: Process Intensification 49(12) (2010) 1229–1240.
43. Fainerman V.B., E.V. Aksenenko, S.A. Zholob, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed SDS/C_nEO_m, solutions. II. Dilational viscoelasticity, Langmuir 26(3) (2010) 1796–1801.
44. Liggieri L., R. Miller, Relaxation of surfactants adsorption layers at liquid interfaces, Current Opinion in Colloid and Interface Science 15(4) (2010) 256–263.
45. Lunkenheimer K., K. Malysa, K. Winsel, K. Geggel, S. Siegel, Novel method and parameters for testing and characterization of foam stability, Langmuir 26(6) (2010) 3883–3888.
46. Miller R., J.K. Ferri, A. Javadi, J. Kragel, N. Mucic, R. Wustneck, Rheology of interfacial layers, Colloid and Polymer Science 288(9) (2010) 937–950.
47. Pavinatto F.J., Interação entre quitosana e modelos de membrana celular: filmes de Langmuir e Langmuir-Blodgett (LB), PhD Thesis, Interunidades em Ciencia e Engenharia de Materiais, University of Sao Paulo, 2010.
48. Ravera F., G. Loglio, V.I. Kovalchuk, Interfacial dilational rheology by oscillating bubble/drop methods, Current Opinion in Colloid and Interface Science 15(4) (2010) 217–228.
49. Yoon R.-H., I. Wang, Hydrophobic forces in foam films, Colloids and Interface Science Series vol. 1 (2010) 161–186.

50. Zhang F., Z. Wu, H. Yin, J. Bai, Effect of ionic strength on the foam fractionation of BSA with existence of antifoaming agent, Chemical Engineering and Processing: Process Intensification 49(10) (2010) 1084–1088.
51. He F., G. Xu, J. Pang, M. Ao, T. Han, H. Gong, Effect of amino acids on aggregation behaviors of sodium deoxycholate at air/water surface: Surface tension and oscillating bubble studies, Langmuir 27(2) (2011) 538–545.
52. Liggieri L., M. Ferrari, F. Ravera, Recent developments in dilatational viscoelasticity of surfactant layers, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 313–344.
53. Noskov B.A., G. Loglio, R. Miller, Dilational surface visco-elasticity of polyelectrolyte/surfactant solutions: Formation of heterogeneous adsorption layers, Advance in Colloid and Interface Science 168(1–2) (2011) 179–197.
54. Sagis L.M.C., Dynamic properties of interfaces in soft matter: Experiments and theory, Rev. Mod. Phys. 83 (2011) 1367–1403.
55. Sun H.Q., L. Zhang, Z.Q. Li, L. Zhang, L. Luo, S. Zhao, Interfacial dilatational rheology related to enhance oil recovery, Soft Matter 7(17) (2011) 7601–7611.
56. Zhang F., Z. Wu, Z. Wu, H. Wang, Effect of ionic strength on the foam separation of nisin from the fermentation broth, Separation and Purification Technology 78 (2011) 42–48.
57. Bouyer E., G. Mekhloufi, V. Rosilio, J.L. Grossiord, F. Agnely, Proteins, polysaccharides, and their complexes used as stabilizers for emulsions: alternatives to synthetic surfactants in pharmaceutical field? International Journal of Pharmaceutics, 436(1–2) (2012) 359–378.
58. Costa S., Rheologie multiechelle des mousses liquides, Ph. D. Thesis, Universitet Paris-Est, 2012.
59. Wang L., Drainage and rupture of thin goam films in the presence of ionic amd non-ionic surfactants, Int. Journal of Mineral Processing 102–103 (2012) 58–68.
60. Wang L., Inter-bubble attractions in aqueous solutions of flotation frothers, Separation Thechnologies for Minerals, Coal, and Earth Resources, International Symposium (2012) 35–45.
61. Cohen-Addad S., R. Hohler, O. Pitois, Flow in foams and flowing foams, Annual Review in Fluid Mechanics 45 (2013) 241–267.
62. Costa S., S. Cohen-Addad, A. Salonen, R. Hohler, The dissipative rheology of bubble momolayers, Soft Matter 9(3) (2013) 886–895.
63. Mucic N., A. Javadi, M. Karbashi, A. Shapirova, V. Fainerman, E. Aksenenko, N. Kovalchuk, R. Miller, Surfactant adsorption kinetics, Encyclopedia of Colloid and Interface Science, 2013, 1090–1126.
64. Reichert M.D., L.M. Walker, Interfacial tension dynamics, interfacial mechanics, and response to rapid dilution of bulk surfactant of a model oil-water-dispersand system, Langmuir 29(6) (2013) 1857–1867.
65. Sagis L.M.C., Modeling interfacial dynamics using nonequilibrium thermodynamics frameworks, European Physical Journal: Special Topics 222(1) (2013) 105–127.
66. Tovani C.B., J.F.V.D. Souza, T.D.S. Cavallini, G.J.F. Demets, A. Ito, M.B. Barioni, W.M. Pazin, M.E.D. Zaniquelli, Comparison between cucurbiturils and β-cyclodextrin interactions with cholesterol molecules present in Langmuir monolayers used as a biomembrane model, Colloids and Surfaces B 111 (2013) 398–406.
67. Zhai X., G. Xu, Y. Chen, T. Liu, J. Zhang, J. Yuan, Y. Tan, J. Zhang, Effect of inorganic salts on the aggregation behavior of branched block polyether at air/water and n-heptane/water interfaces, Colloid and Polymer Science 291(12) (2013) 2825–2836.
68. Chen T., G. Zhang, P. Jiang, J. Ge, Dilational rheology at air/water interface and molecular dynamics simulation research of hydroxyl sulfobetaine surfactant, J. Dispersion Science and Technology 35(3) (2014) 448–455.
69. Marinova K., Stanimirova R., Georgiev M., Alexandrov N., Basheva E., Kralchevsky P., Co-Adsorption of the Proteins β-Casein and BSA in Relation to the Stability of Thin Liquid Films and Foams, in: Colloid and Interface Chemistry for Nanotechnology. 2014, Ch. 18.
70. Noskov B., Protein conformation transitions at the liquid-gas interface as studied by dilatational surface rheology, Advances in Colloid Interface Science 206 (2014) 222–238.
71. Siegert M., J. Sitte, A. Galushko, M. Kruger, Starting up microbial enchanced oil recovery, Advances in Biochemical Engineering/Biotechnology 142 (2014) 1–94.
72. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2014.
73. Colliat-Dangus P., Interfacial complexation of polymers: features and stability of millimetric emulsions, PhD Thesis, Universite Pierre et Marie Curie, 2015.
74. Kotula A.P., S.I. Anna, Regular perturbation analysis of small amplitude oscillatory dilatation of an interface in a capillary pressure tensiometer, Journal of Rheology 59(1) (2015) 85–117.

75. Noskov B.A., A.G. Bykov, Dilatational surface rheology of polymer solutions, Russian Chemical Reviews 84(6) (2015) 634–652.
76. Reichert M., L.M. Walker, coalescence behavior of oil droplets coated in irreversibly-adsorbed surfactant layers, Journal of Colloid and Interface Science 449 (2015) 480–487.
77. Reichert M.D., N.J. Alvarez, C.F. Brooks, A.M. Grillet, L.A. Mondy, S.L. Anna, L.M. Walker, The importance of experimental design on measirememnts of dynamic interfacial tension and interfacial rheology in diffusion-limitted surfactant systems, Colloids Surfaces A 467 (2015) 135–142.
78. Wang L., Modeling of bubble coalescence in saline water in the presence of flotation frothers, International Journal of Mineral Processing 134 (2015) 41–49.
79. Zhang D., Y. Li, Z. Chen, J. Li, X. Geng, X. Chen, Shape evolution of free falling deformed droplets, Kexue Tongbau/Chinese Science Bulletin 60(10) (2015) 917–921.
80. Fainerman V.B., V.I. Kovalchuk, E.V. Aksenenko, R. Miller, Dilational viscoelasticity of adsorption layers measured by drop and bubble profile analysis: Reason for different results, Langmuir 32(22) (2016) 5500–5509.
81. Li Y., J.-L. Chai, Dilational viscoelasticity of imidazole-Based surface active ionic liquids at the air/water interface, Acta Physico – Chimica Sinica 32(5) (2016) 1227–1235.
82. Lyadinskaya V., Dilatational surface rheology of polyelectrolyte-surfactant adsorption films, Department of Chemical Engineering, National Taiwan University of Science and Technology, 2016.
83. Vitasari D., P. Grassia, P. Martin, Surfactant transport onto a foam film in the presence of surface viscous stress, Applied Mathematical Modeling 40(3) (2016) 1941–1958.
84. Wang J., A.V. Nguyen, S. Farrokhpay, A critical review of the growth, drainage and collapse of foams, Advances in Collid and Interface Science 228 (2016) 55–70.
85. Wang L., Prediction of the critical rupture thickness of foam films formed from saline water in the presence of flotation frothers, IMPC 2016, Art. No. 135047.
86. Desbrieres J., E. Lopez-Gonzales, A. Aguilera-Miguel, V. Sadtler, P. Marchal, C. Castel, L. Choplin, A. Durand, Dilational rheology of oil/water interfaces covered by amphiphilic polysaccharides derived from dextran, Carbohydrate Polymers 177 (2017) 460–468.
87. Guo L., Y. Zhu, Z. Xu, Q. Gong, Z. Jin, L. Zhang, L. Zhang, Effect of branched hydrophobic group on the surface dilatational rheology of betaine surfactants, Chemical Journal of Chinese Universities 38(8) (2017) 1399–1405.
88. Lamorgese A., R. Mauri, L.M.C. Sagis, Modeling soft interface dominated systems: A comparison of phase field and Gibbs dividing surface models, Physics Reports 675 (2017) 1–54.
89. Shu N.-K., Z.-C. Xu, Z.-Y. Liu, Z.-Q. Jin, J.-B. Huang, L. Zhang, Efect of short alkyl chain on interfacial properties of poly-substituted alkyl benzene sulfonate, Acta Phisico-Chimica Sinica 33(4) (2017) 803–809.
90. Truskowska D., F. Henrich, J. Schultze, K. Koynov, H.J. Rader, H.-J. Butt, G,K, Aurnhammer, Forced dewetting dynamics of heigh molecular weight surfactant, Colloids and Surfaces A 521 (2017) 30–37.
91. Ye X.-M., S.-D. Yang, C.-X. Li, Synergistic effect of disjoining pressure and surface viscosity on film drainage process, Physica Sinica 66(19) (2017) Art. No. 194701.
92. Abi Chebel N., A. Piedfert, B. Lalanne, C. Dalmazonne, C. Noik, O. Masbernat, F. Risso, Interfacial dynamics and rheology of a crude-oil droplet oscillating in water at high frequency, Langmuir 35(29) (2019) 9441–9455.
93. Jiang P., L. Zhang, D. Tang, L. Li, J. Ge, G. Zhang, H. Pei, Effect of nano-SiO_2 and surfactants on the oil-water interfacial properties, Colloid and Polymer Science 297(6) (2019) 903–915.
94. Bae J.-E., Jung J. B., Kim K., Lee S.-M., N.-G. Kang, A study of time concentration superposition of dilatational modulus and foaming behavior of sodium slkyl sulfate, Journal of Colloid and Interface Science 556 (2019) 704–716.
95. Kovalchuk V.I., E.V. Aksenenko, A.V. Makievski, V.B. Fainerman, R. Miller, Dilatational interfacial rheolohy of tridecyl dimethyl phosphine oxide adsorption layers at the water/hexane interface, Journal of Colloid and Interface Science 539 (2019) 30–37.
96. Goral I., K. Wojciechowski, Surface activity and foaming properties of saponin-rich plants extracts, Advances in Colloid and Interface Science 279 (2020) Art. No. 102145.
97. Furtado F.A.D.S., J.F.B. Escobar, A.M. Martinez, C. Giordani, J.M.A. Caiut, L. Caseli, C. Molina, Molecular information on the potential of europium complexes for local recognition of a nucleoside-based drug by using nanostructured interfaces assembled as Langmuir-Blodgett films, Langmuir 36 (2020) 3843–3852.
98. Kovalchuk V.I., G. Loglio, A.G. Bykov, M. Ferrari, J. Kragel, L. Liggieri, R. Miller, O.Yu. Milyaeva, B.A. Noskov, F. Ravera, E. Santini, E. Schneck, Effect of temperature on the dynamic properties of mixed surfactant adsorbed layers at the water/hexane interface under low-gravity conditions, Colloids and Interfaces 4 (2020) Art. No. 4030027.

99. Barrabino A., T. Holt, B. Bjorkvik, E. Lindeberg, First approach to measure interfacial rheology at high-pressure conditions by the oscillating drop technique, Colloids and Interfaces 5 (2021) Art. No. 23.

117 K.D. Danov, P.A. Kralchevsky, B.N. Naydenov, G. Brenn, Interactions between particles with an undulated contact line at a fluid interface: Capillary multipoles of arbitrary order, J. Colloid Interface Sci. 287 (2005) 121–134. (**Citations: 136**)

1. van Nierop E.A., M.A. Stijnman, S. Hilgenfeldt, Shape–induced capillary interactions of colloidal particles, Europh. Lett. 72(4) (2005) 671–677.
2. Bordacs S., A. Agod, Z. Horvolgyi, Compression of Langmuir films composed of fine particles: collapse mechanism and wettability, Langmuir 22(16) (2006) 6944–6950.
3. Horozov T.S., B.P. Binks, R. Aveyard, J.H. Clint, Effect of particle hydrophobicity on the formation and collapse of fumed silica particle monolayers at the oil–water interface, Colloids Surfaces A 282–283 (2006) 377–386.
4. Loudet J.C., A.G. Yodh, B. Pouligny, Wetting and contact lines of micrometer–sized ellipsoids, Phys. Rev. Lett. 97(1) (2006) Art. No. 018304.
5. Zeng C., H. Bissig, A.D. Dinsmore, Particles on droplets: from fundamental physics to novel materials, Solid State Communications 139(11–12) (2006) 547–556.
6. Huang W.A., Q. Lan, Y. Zhang, Colloid particles adsorption and interfacial assembly at the fluids interface, Progress in Chemistry 19(2–3) (2007) 212–219.
7. Lehle H., E. Noruzifar, M. Oettel, Ellipsoidal particles at fluid interfaces, European Physical Journal E 26(1–2) (2008), 151–160.
8. Lehle H., Fluktuations- und Kapillarkraefte zwischen Kolloiden and fluiden Granzflaeschen, PhD Thesis, Faculty of Mathematics and Physicsm, Studgart University, 2008.
9. Lewandowski E.P., J.A. Bernate, P.C. Searson, K.J. Stebe, Rotation and alignment of anisotropic particles on nonplanar interfaces, Langmuir 24(17) (2008) 9302–9307.
10. Oettel M., S. Dietrich, Colloidal interactions at fluid interfaces, Langmuir 24 (4) (2008) 1425–1441.
11. Xu T., M. Jin, Z. Xie, Z. Jiang, Q. Kuanng, H. Wu., R. Huang, L. Zheng, Tension of liquid interfaces: A general filter for the separation of micro-/nanoparticles, Langmuir 24(6) (2008) 2281–2283.
12. von Hartwig Lehle, V., Fluktuations– und Kpillarkräfte zwischen Kolloiden an fluiden Grenzflächen, Ph.D. Thesis (Supervisor: S. Dietrich), Fakultät für Mathematik und Physik der Universität Stuttgart, Germany, 2008.
13. Brugger B., S. Rutten, K.H. Phan, M. Moller, W. Richtering, The Colloidal Suprastructure of Smart Microgels at Oil–Water Interfaces, Angewandte Chemie–International Edition 48(22) (2009) 3978–3981.
14. Cheng H.-L., Spreading and jamming phenomena of particle-laden interfaces, PhD Thesis, Scool of Engineering, University of Pittsburgh, USA, 2009.
15. Genevieve M., Assemblage Dirig´e d’Objets `a Partir de Solutions Collo¨ıdales, PhD Thesis, INSA, Tolouse, 2009.
16. Kurella A.K., A.N. Samant, N.B. Dahotre, Laser surface multilevel self–assembly of CaP–TiO2 particles, J. Applied Physics 105(1) (2009) Pap. No. 014913.
17. Kurella A.K., Lase induced hierarchical coatings, PhD Thesis, University of Tennessee, 2009.
18. Loudet J.C., B. Pouligny, Self–assembled capillary arrows, Euro Physics Letters 85 (2009) Pap. No. 28003.
19. Wu, Chin–Yuan, Particle Dynamics and Microrheology at Liquid–Liquid Interface, PhD Thesis, Texas Tech University, Lubbock, TX, USA, 2009.
20. Dominguez A., M. Oettel, S. Dietrich, Dynamics of colloidal particles with capillary interactions Phys. Rev. E 82(1) (2010) Art. No. 011402.
21. Dominquez A., Capillary forces between colloidal particles at fluid interfaces, in: Structure and Functional Properties of Colloidal Systems, CRC Press, 2010, Ch. 2.
22. Guzowski J.J., Capillary interactions between colloidal particles at curved fluid interfaces, PhD Thesis, Studgard University, 2010.
23. Lewadnowski E.P., M. Cavallaro, L. Botto, J.C. Bernate, V. Garbin, K.J. Stebe, Orientation and Self–Assembly of Cylindrical Particles by Anisotropic Capillary Interactions, Langmuir 26(19) (2010) 15142–15154.
24. McGorty R., J. Fung, D. Kaz, V.N. Manoharan, Collodial self–assembly at an interface, Materials Today 13(6) (2010) 34–42.
25. Pozrikidis C., Computation of three–dimensional hydrostatic menisci, IMA Journal of Applied Mathematics 75(3) (2010) 418–438.
26. Pozrikidis C., Hydrostatic meniscus between two eccentric circular cylinders, J. Colloid Interface Sci. 349(1) (2010) 366–373.

27. Cavallaro M., L. Botto, E.P. Lewandovski, M. Wang, K.J. Stebe, Curvature-driven capillary migration and assembly of rod-like particles, PNAS 108(52) (2011) 20923–20928.
28. Delgadilo S.M.A., Pickering emulsions as templates for smart colloidosomes, PhD Thesis, Georgia Institute of Technology, 2011.
29. Guzowski J., M. Tasinkevich, S. Dietrich, Effective interactions and equilibrium configurations of colloidal particles on a sessile droplet, Soft Matter 7(9) (2011) 4189–4197.
30. Jiang X., T, Zhang, L. Xu, C. Wang, X. Zhou, N. Gu, Surfactant-induced formation of honeycomb pattern on micropipette with curvature gradient, Langmuir 27(9) (2011) 5410–5419.
31. Loudet J.C., B. Pouligny, How do mosquito eggs self-assemble on the water surface? European Physical Journal E 34(8) (2011) Art, No. 76.
32. Masschaele K., Vermant J., Electric field controlled capillary traps at water/oil interfaces, Soft Matter 7 (2011) 105971–10600.
33. McNamee C.E., S. Yamamoto, H.–J. Butt, K. Higashitani, A straightforward way to form close–packed TiO_2 particle monolayers at an air/water interface, Langmuir 27(3) (2011) 887–894.
34. Morriss G., S.J. Neethling, J.J. Cilliers, A model for investigating the behaviour of non–spherical particles at interfaces, J. Colloid Interface Sci. 354(1) (2011) 380–385.
35. Park B.J., T. Brugarolas, D. Lee, Janus particles at an oil-water interface, Soft Matter 7(14) (2011) 6413–6417.
36. Pozrikidis C., Shape of hexagonal hydrostatic menisci, International Journal for Numerical Methods in Fluids 65(6) (2011) 625–637.
37. Zeng C., Capillary interactions among microparticles and nanoparticles at fluid interfaces, PhD Thesis, University of Massachusetts, 2011.
38. Botto L., E.P. Lewandowski, M. Cavalarro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
39. Chatterjee N., S. Lapin, M. Fluri, Capillary forces between sediment particles and an air-water interface, Environmental Science and Technology 46(8) (2012) 4411–4418.
40. Cooray H., P. Cicuta, D. Vella, The capillary interactions between two vertical cylinders, Journal of Physics Condensed Matter 24(28) (2012) Art. 284104.
41. Iwafuji Y., C.E.McNamee, Use of attractive forces to create a self-assembled film of charged nano-particles with a controlled packing, Colloid Surfaces A 398 (2012) 24–31.
42. McBride S.P., Surface Science Experiments Involving the Atomic Force Microscope, PhD Thesis, Kansas State University, 2012.
43. Pozrikidis C., Capillary attraction of floating rods, Engineering Analysis with Boundary Elements 36(5) (2012) 836–844.
44. San-Miguel A., Behrens S.H., Influence of nanoscale particle roughness on tha stability of pickering emulisons, Langmuir 28(33) (2012) 12038–12043.
45. Vandewalle N., L. Clermont, D. Terwagne, S. Dorbolo, E. Mersch, G. Lumay, Symmetry breaking in a few-body system with magnetocapillary interactions, Physical Review E 85(4) (2012) Art. 041402.
46. Zeng C., F. Brau, B. Davidovitch, A.D. Dinsmore, Capillary interactions among spherical particles at curved liquid interfaces, Soft Matter 8(33) (2012) 8582–8594.
47. Chatterjee N., M. Flury, Effect of particle shape on capillary forces acting on particles at the air-water interface, Langmuir 29(25) (2013) 7903–7911.
48. Chatterjee N., Capillary forces on sediment particles, PhD Thesis, Washington State University, 2013.
49. Fung J., Measuring the 3D Dynamics of Multiple Colloidal Particles with Digital Holographic Microscopy, PhD Thesis, Harward University, 2013.
50. Kumar A., B.J. Park, F. Tu, D. Lee, Amphiphilic Janis particles at fluid interfaces, Soft Matter 9(29) (2013) 6604–6617.
51. Leandri J., A. Wurger, Trapping energy of a spherical particle on a curved liquid interface, Journal of Colloid and Interface Science 405 (2013) 249–255.
52. Mihiretie B., Mechanical effect of light on anisotropic micron-sized particles, PhD Thesis, Université Sciences et Technologies – Bordeaux, 2013.
53. Morgan A.R., N. Ballard, L.A. Rochford, G. Nurumbetov, T.S. Skelhon, S.A.F. Bon, Understanding the multiple orientations of isolated superellipsoidal hematite particles at the oil-water interface, Soft Matter 9(2) (2013) 487–491.
54. Park B.J., C.-H. Choi, S.-M. Kang, K.E. Tettey, C.-S. Lee, D. Lee, Double hydrophilic janus cylinders at an air-water interface, Langmuir 29(6) (2013) 1841–1849.
55. Park B.J., C.-H. Choi, S.-M. Kang, K.E. Tettey, C.-S. Lee, D. Lee, Geometrically and chemically anysotropic particles at an oil-water interface, Soft Matter 9(12) (2013) 3383–3388.

56. Rezvantalab H., S. Shojaei-Zadeh, Capillary interactions between spherical Janus particles at liquid-liquid interfaces, Soft Matter 9(13) (2013) 3640–3650.
57. Sang W., V.L. Morales, W. Zhang, C.R. Stoof, B. Gao, A.L. Schatz, Y. Zhang, T.S. Steenhuis, Quantification of colloid retention and release by straining and energy minima in variably saturated porous media, Environmental Science and Technology 47(15) (2013) 8256–8264.
58. Van Hooghten R., L. Imperiali, V. Boeckx, R. Sharma, J. Vermant, Rough nanoparticles at the air-water interfaces: their structure, rheology and applications, Soft Matter 9(45) (2013) 10791–10798.
59. Bleibel J., Cosmology in a petry dish? Simulation of collective of colloids at fluid interfaces, EPJ Web of Conferences 70 (2014) Art. No. 00048.
60. Cooray P.L.H.M., The capillary interaction between objects at liquid interfaces, PhD Thesis, Department of Physics, University of Cambridge, 2014.
61. Dasgupta S., M. Katavala, M. Faraj, T. Auth, G. Gompper, Cappilary assembly of microscale ellipsoidal, cubidal, and spherical particles, Langmuir 30(40) (2014) 11873–11882.
62. Kang S.-M., A. Kumar, C.-H. Choi, K.E. Tettey, C.-S. Lee, D. Lee, B.J. Park, Triblock cylinders at fluid-fluid interfaces, Langmuir 30 (2014) 13199–13204.
63. Park B.J., Behaviors of colloidal particles at fluid-fluid interfaces, Polymer Science and Technology 25(1) (2014) 21–27.
64. Park B.J., D. Lee, Particles at fluid-fluid interfaces: From single particle behacior to hierarchical assembly of materials, MRS Bulletin 39(12) (2014) 1089–1096.
65. Poty M., G. Lumay, N. Vandewalle, Customizing mesoscale self-assembly with three-dimensional printing, New Journal of Physics 16 (2014) Art. No. 023013.
66. Senbil N., Contact angles and contact lines around particles at isotropic and anisotropic liquid interfaces, PhD Thesis, University of Masachusetts, 2014.
67. Bae J., Assembly and deformation of amphiphilic copolymers and networks at fluid interfaces, PhD Thesis, Massachusetts University, 2015.
68. Davis G.B., Modelling colloidal particles adsorbed at fluid-fluid interfaces, PhD Thesis, University College London, 2015.
69. Davies G.B., L. Botto, Dipolar capillary interaction between tilted ellipsoidal particles adsorbed at fluid-fluid interfaces, Soft Matter 11(40) (2015) 7969–7976.
70. Deshmukh O., D. van den Ende, M.C. Stuart, F. Mugele, M.H.G. Duits, Hard and soft colloids at fluid interfaces: Adsorption, interactions, assembly, and rheology, Advances in Colloid and Interface Science 222 (2015) 215–227.
71. Dorr A., S. Hardt, Driven particles at fluid interfaces acting as capillary dipoles, Journal of Fluid Mechanics 770 (2015) 5–26.
72. Lee M., D. Lee, B.J. Park, Effect of interaction heterogeneity on colloidal arragements at a curved oil-water interface, Soft Matter 11(2) (2015) 318–323.
73. Park B.J., D. Lee, Dynamically tuning particle interactions and assemblies at soft interfaces: Reversible order-disorder transitions in 2D particle monolayers, Small 11(35) (2015) 4560–4567.
74. Park B.J., D. Lee, E.M. Furst, Interactions and conformations of particles at fluid-fluid interfaces, RSC Soft Matter 2015(3) (2015) 8–44.
75. Zhao W., T. Yang, C. Olguin, Step into micro-world: Dynamic simulation of coffee-ring effect, 14th International Conference on Computer-Aided Design and Computer Graphics (2015) Art. No. 15905350.
76. Barman S., G.F. Christopher, Role of capillarity and microstructure on the interfacial viscoelasticity of particle laden interfaces, Journal of Rheology 60(1) (2016) 35–45.
77. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
78. Hausmann R., Effective field theory of particle interactions mediated by fluid surfaces, PhD Thesis, Carnegie Mellon University, 2016.
79. Kang S.-M., C.-H. Choi, J. Kim, S.-J. Yeom, D. Lee, B.J. Park, C.-S. Lee, Capillarity-induced directed self-assembly of patchy hexagram particles at the air-water interface, Soft Matter 12(27) (2016) 5847–5853.
80. Karpistchka S., A. Padney, L.A. Lubbers, J.H. Weijs, L. Botto, S. Das, B. Andreotti, J.H. Snoeijer, Liquid drops attract or repel by the inverted Cheerios effect, PNAS 113(27) (2016) 7403–7407.
81. Kozina A., S. Ramos, P. Diaz-Leyva, R. Castillo, Out-of-equilibrium assembly of colloidal particles at air/water interface tuned by their chemical modification, Journal of Physical Chemistry C 120(30) (2016) 16879–16886.
82. Lee M., M. Xia, B.J. Park, Transition behaviors of configurations of colloidal particles at a curved oil-water interface, Materials 9(3) (2016) Art. No. 138.
83. Liu I.B., N. Shanfi-Mood, K. Stebe, curvature-driven assembly in soft matter, Philosophical Transactions of the Royal Society A 374(2072) (2016) Art, No. 201501333.

84. Newton B.J., D.M.A. Buzza, Magnetic cylindrical colloids at liquid interfaces exhibit non-volatile switching of their orientation in an external field, Langmuir 12(24) (2016) 5285−5296.
85. Shanfi-Mood N., I.B. Liu, K. Stebe, Capillary interactions on fluid interfaces: Opportunities for directed assembly, Proceedings of the International Scool of Physics “Enrico Fermi” 193 (2016) 165−215.
86. Soligno G., M. Dijkstra, R. Van Roij, Self-assembly of cubes into 2D hexagonal and honeycomb lattices by hexapolar capillary interactions, Physical Review Letters 116(25) (2016) Art. No. 258001.
87. Sun X., Y. Chen, J. Zhao, Highly stable aqueous foams generated by fumed silica particles hydrophobised in situ with a quaternary ammonium gemini surfactant, RSC Advances 6(45) (2016) 38913−38918.
88. Zanini N., L. Isa, Particle contact angles at fluid interfaces: Pushing the boundary beyond hard uniform spherical colloids, Journal of Physics Condensed Matter 28(31) (2016) Art. No. 313002.
89. Zhao W., T. Yang, C. Olguin, Step into micro-world: Dynamic simulations of the coffee-ring effect, CAD/Graphics 2015, Proceedings 2016, Art. No. 7450405, 113−120.
90. Bae J., N.P. Bende, A.A. Evans, J.-H. Na, C.D. Santangelo, R.C. Hayward, Programmable and reversible assembly of soft capillary multipoles, Materials Horizons 4(2) (2017) 228–235.
91. Bedi D.S., Critical mechanical structures – Thermal fluctuations and self-assembly, PhD Thesis, University of Michigan, 2017.
92. Cappelli S., A.M. De Jong, J. Baudry, M.W.J. Prins, Interparticle capillary forces at fluid-fluid interface with strong polymer-induced aging, Langmuir 33 (2017) 696−705.
93. Dasgupta S., T. Auth, G. Gompper, Nano- and microparticles at fluid and biological interfaces, Journal of Physics: Condensed Matter 29 (2017) Art. No. 373003.
94. De Leon A.C., B.J. Rodier, Q. Luo, C.M. Hemmindsen, P. Wei, K. Abbasi, R. Advincula, E.B. Pentzer, Disting chemical and physical properties of Janus nanosheet, ACS Nano 11(7) (2017) 7485−7493.
95. Fei W., Y. Gu, K.J.M. Bishop, Active colloidal particles at fluid-fluid interfaces, Current Opinion in Colloid and and Interface Science 32 (2017) 57–68.
96. Fernandez-Rodriguez M.A., B.P. Binks, M.A. Rodriguez-Valverde, M.A. Cabrerizo-Vilchez, R. Hidalgo-Alvarez, Particles adsorbed at various non-aqueous liquid-liquid interfaces, Advances in Colloid and Interface Science 247 (2017) 208–222.
97. Huang S., K. Gawlitza, R. Von Klitzing, W. Steffen, G.K. Aurenhammer, Structure and rheology of microgel monolayers at the water/oil interface, Macromolecules 50(9) (2017) 3680−3689.
98. Kang D.V., M. Lee, K.H. Kim, M. Xia, S.H. Im, B.J. Park, Electrostatic interactions between particles through heterogeneous fluid phases, Soft Matter 13 (2017) 6647−6658.
99. Pandey A., S. Karpitschka, L.A. Lubbers, J.H. Weijs, L. Botto, S. Das, B. Andreotti, J.H. Snoeijer, Dynamic theory of the inverted cheerios effect, Soft Matter 13(35) (2017) 6000–6010.
100. Arab D., A. Kantzas, S.I. Briant, Nanoparticle stabilized oil in water emulsions: A critical review, Journal of Petroleum Science and Engineering 163 (2018) 217–242.
101. Bresme F., Theoretical approaches to investigate anisotropic particles at fluid interfaces, Anisotropic Particle Assemblies: Synthesis, Assembly, Modeling, and Applications (2018) 233–260.
102. Dietrich K., G. Volpe, M.N. Sulaiman, D. Renglli, I. Buttinoni, L. Isa, Active atoms and interstitials in two-dimensional colloid crystals, Physical Review Letters 120(26) (2018) Art. No. 268004.
103. He W., Measured capillary forces on spheres at liquid interfaces and the mechanisms of particulate assemblies, PhD Thesis, University of Massachusetts, 2018.
104. Huerre A., M. De Corato, V. Garbin, dynamic capillary assembly of colloids at interfaces with 10000 g accelerations, Nature Communications 9(1) (2018) Art. No. 3620.
105. Lim J.H., J.Y. Kim, D.W. Kang, K.H. Choi, S.J. Lee, S.H. Im, B.J. Park, Heteregeneous capillary interactions of interface-trapped ellipsoid particles using the trap-relase method, Langmuir 34(1) (2018) 384–394.
106. Liu I.B., N. Sharifi-Mood, K.J. Stebe, Capillary assembly of colloids: Interactions on planar and curved interfaces, Annual Review of Condensed Matter Physics 9 (2018) 283–305.
107. Kim P.Y., A.D. Dinsmore, D.A. Hoagland, T.P. Russell, Wetting, meniscus structure, and capillary interactions of microspheres bound to a cylindrical liquid interface, Soft Matter 14(11) (2018) 2131–2141.
108. Mulla Y., G. Oliveri, J.T.B. Overvelde, G.H. Koendering, Crack initiation in viscoelastic materials, Physical Review Letters 120(26) (2018) Art. No. 268002.
109. Newton B.J., R. Mohammed, G.B. Davies, L. Botto, D.M.A. Buzza, Capillary interaction and self-assembly of tilted magnetic ellipsoidal particles at liquid interface, ACS Omega 3(11) (2018) 14962–14972.
110. Varanasi S., L. Henzel, L. Mendoza, E. Prathapan, W. Batchelor, R. Tabor, G. Gamier, Picleromh emulsions electrostatically stabilized by cellulose nanocrystals, Front Chemistry 6 (2018) 408.

111. Wang W., V. Kishore, L. Koens, E. Lauga, M. Sitti, Collectives of spinning mobile microrobots for navigation amd object manipulation at the air-water interface, IEEE International Conference on Intelligent Robots and Systems 2018 Art. No. 8593519 pp. 6186–6192.
112. Yu K., H. Zhang, S. Biggs, Z. Xu, O.J. Cayre, D. Harbottle, The rheology of polyvinylpyrrolidone-coated silica nanoparticles positioned at an air-aqueous interface, Jornal of Colloid and Interface Science 527 (2018) 346–355.
113. Zanini N., I. Lesov, E. Marini, C.-P. Hsu, C. Marshcelke, A. Synytska, S.E. Anachkov, L. Isa, Detachment of rough colloids from liquid-liquid interfaces, Langmuir 34(16) (2018) 4861–4873.
114. Rahman S.E., N. Laal-Dehghani, S. Barman, G.F. Christofer, Modifying interfacial interparticle forces to alter microstructure and viscoelasticity of densely packed particle laden interfaces, Journal of Colloid and Interface Science 536 (2018) 30–41.
115. Ballard N., A.D. Law, S.A.F. Bon, Colloidal particles at fluid interfaces, Soft Matter 15(6) (2019) 1186–1199.
116. Carrasco-Fadanelli V., R. Castillo, Measurements of the force between uncharged colloidal particles trappet at a flat air/water interface, Soft Matter 15(29) (2019) 5815–5818.
117. Kang D.W., K.H. Choi, S.J. Lee, B.J. Park, Napping anisotropic and heterogeneous colloidal interactions via optical laser tweezers, Journal of Physical Chemistry Letters 10(8) (2019) 1691–1697.
118. Koens L., W. Wamg, M. Sitti, E. Lauga, The near and far of a pair of magnetic capillary disks, Soft Matter 15(7) (2019) 1497–1507.
119. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
120. Lagarde A., C. Josserand, S. Protiere, The capillary interaction between pairs of granuilar rafts, Soft Matter 15(28) (2019) 5695–5702.
121. Nayak L., S. Mohanty, S.K. Nayak, A. Ramadoss, A review on inkjet printing of nanoparticle ink for flexible electronics, Journal of Materials Chemistry C 7(29) (2019) 8771–8795.
122. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
123. Arai N., S. Watanabe, M.T. Miyahara, R. Yamamoto, U. Hampel, G. Lecrivain, Direct observation of the attachment behaviour of hydrophobic colloidal particles onto a bubble surface, Soft Matter 16(3) (2020) 695–702.
124. Bi W., E.K.L. Yeow, Single-particle tracking of the formation of a pseudoequilibrium state prior to charged microgel cluster formation at interfaces, NPG Asia Materials 12 (2020) Art. No. 72.
125. Dietrich K., Artificial microswimmers at liquid-liquid interfaces, PhD Thesis, ETH, Zurich, 2020.
126. Goggin G.M., H. Zhang, E.M. Miller, J.R. Samaniuk, Interference provide clarity: Direct observation of 2D matrerials at fluid-fluid interfaces, ACS Nano 14 (2020) 777–790.
127. Perez-Juarez D., R. Sanchez, P. Diaz-Leyva, A. Kozina, Equilibrium clustering of colloidal particles at an oil/water interface due to competing long-range interactions, Journal of Colloid and Interface Science 571 (2020) 232–238.
128. Rojas-Martinez R.E., P. Diaz-Leyva, R. Sanchez, Dynamics of granular particles with interactions at a distance, Journal of Statistical Mechanics: Theory and Experiment 1 (2020) Art. No. 103207.
129. Lagarde A., S. Protiere, probing the erosion and cohesion of a granular raft in motion, Physical Review Fluids 5 (2020) Art. No. 044003.
130. Mears R., I. Muntz, J.H.J. Thijssen, Surface pressure of liquid interfaces laden with micron-sized particles, Soft Matter 16 (2020) 9347–9356.
131. Carrasco-Fadanelli V., R. Castillo, Measurement of the capillary interaction force between Janus colloidal particles trapped at a flat air/water interface, Soft Matter 16 (2020) 5910–5914.
132. Martinez-Pedrero F., Static and dynamic behavior of magnetic particles at fluid interfaces, Advances Colloid Interface Science 284 (2020) Art. No. 102233.
133. Ji X., X. Wang, Y. Zhang, D. Zang, Interfacial viscoelasticity and jamming of colloidal particles at fluid-fluid interfaces: A review, Reports on Progress in Physics 82 (2020) Art. No. 126601.
134. Correia E.L., N. Brown, S. Razavi, Janus particles at fluid interfaces: Stability and interfacial rheology, Nanomaterials 11 (2021) 1–29.
135. Joshi G., K. Okeyoshi, F.A.A. Yusof, T. Mitsumata, M.K. Okajima, T. Kaneko, Interfacial self-assembly of polysaccharide rods and platelets bridging over capillary lengthsm Journal of Colloid and Interface Science 591 (2021) 483–489.
136. Barakat J.M., T.M. Squires, Capillary force on an 'inert' colloid: A physical analogy to dielectrophoresis, Soft Matter 17 (2021) 3417–3442.

116 P.A. Kralchevsky, K.D. Danov, V.L. Kolev, T.D. Gurkov, M.L. Temelska, G. Brenn, Detachment of oil drops from solid surfaces in surfactant solutions: molecular mechanism at a moving contact line, Ind. Eng. Chem. Res. 44 (2005) 1309–1321. (**Citations: 49**)

1. Iliev S., N. Pesheva, On the quasi–static relaxation of a drop in a combined model of dissipation, Langmuir 22(4) (2006) 1580–1585.
2. Reynaert S., P. Moldenaers, J. Vermant, Control over colloidal aggregation in monolayers of latex particles at the oil–water interface, Langmuir 22(11) (2006) 4936–4945.
3. Detry J.G., P.G. Rouxhet, L. Boulange–Petermann, C. Deroanne, M. Sindic, Cleanability assessment of model solid surfaces with a radial–flow cell, Colloids Surfaces A 302(1–3) (2007) 540–548.
4. Muherei M.A., R. Junin, Potential of surfactant washing to solve drilling waste enviromental problems offshore, Emirates Journal for Engineering Research 12(2) (2007) 1–10.
5. Chengara A.W., A.D. Nikolov, D.T. Wasan, New paradigms for spreading of colloidal fluids on solid surfaces, Advances in Polymer Science 218(1) (2008) 117–141.
6. Causse J., S. Faure, Acidic surfactant solutions for tributylphosphate removal in nuclear fuel reprocessing plants: A formulation study, Chemical Engineering Journal 147(2–3) (2009) 180–187.
7. Fetzer R., M. Ramiasa, J. Ralston, Dynamics of liquid–liquid displacement, Langmuir 25(14) (2009) 8069–8074.
8. Илиев, Станимир Димитров, Статика и динамика при малки капилярни числа на течности, частично омокрящи твърдо тяло: вариационен подход, Дисертация за научната степен "доктор на науките", Ин–т по Механика, БАН, София, 2009 г.
9. Ren W.Q., D. Hu, E. Weinan, Continuum models for the contact line problem, Physics of Fluids 22(10) (2010) Art. 102103.
10. Chen P., Surfactant-enhanced spontaneous imbibition process in highly fractured carbonate reservoirs, PhD Thesis, University of Texas, Austin, 2011.
11. Kondiparty K., A. Nikolov, D. Wasan, Wetting and spreading of nanofluids on solid surfaces driven by the structural disjoining pressure: Statics analysis and experiments, Langmuir 27(7) (2011) 3324–3335.
12. Piroird K., Special dynamics of non-wetting drops, PhD Thesis, Soft Condensed Matter, Ecole Polytechnique, French, 2011.
13. Ramiasa M., J. Ralston, R. Fetzer, R. Sedev, Contact line friction in liquid-liquid displacement on hydrophobic surfaces, Journal of Physical Chemistry C 115(50) (2011) 24975–24986.
14. Sharma G., K.K. Mohanty, Wettability alteration in high temperature and high salinity carbonate reservoirs, Proceedings – SPE Annual Thechnical Conference and Exhibition 5 (2011) 4092–4106.
15. Wasan D., A. Nikolov, K. Kondiparty, The wetting and spreading of nanofluids on solids: Role of the structural disjoining pressure, Current Opinion in Colloid and Interface Science 16(4) (2011) 344–349.
16. Liu Q., S. Yuan, H. Yan, X. Zhao, Mechanics of oil detachment from a silica surface in aqueous surfactant solutions: Molecular dynamics simulations, Journal of Physical Chemistry B 116(9) (2012) 2867–2875.
17. Liu K.-L., K. Kondiparty, A.D. Nikolov, D. Wasan, Dynamic spreading of nanofluids on solids: II. Modeling, Langmuir 28(47) (2012) 16274–16284.
18. Agogo H.O., Mojado y avaporacion de disoluciones de tensioactivos y nanoemulsiones, PhD Thesis, Universidad Complutense de Madrid, Facultat de Ciencias quimica, 2013.
19. Chini S.F., V. Bertola, A. Amirfazli, A methodology ot determine the adhesion force of arbitrarily shaped drops with convex contact lines, Colloid Surfaces A 436 (2013) 425–433.
20. Li J., Z.-R. Song, Q. Meng, Application of rhamnolipid as laundry detergent, China Sirfactant Detergents and Cosmetics 43(5) (2013).
21. Radiom M., C. Yang, W.K. Chan, Dynamic contact angle of water-based titanium oxide nanofluid, Nanoscale Research Letters 8(1) (2013) 1–9.
22. Wang F.-C., H.-A. Wu, Enhanced oil droplet detachment from solid surfaces in charged nanoparticle suspensions, Soft Matter 9(33) (2013) 7974–7980.
23. Wu S., A. Nikolov, D. Wasan, Cleansing dynamics of oily soil using nanofluids, J. Colloid Interface Sci. 396 (2013) 293–306.
24. Yesudhason P., M. Al-Busaidi, W.A.K. Al-Rahbi, A.S. Al-Waili, A.K. Al-Nakhaili, N.A. Al-Mazrooei, S.H. Al-Habsi, Distribution patterns of toxic metals in the marine oyster Saccostrea cucullata from the Arabian See in Oman: spatial, temporal, and size variations, Springer Plus 2(1) (2013) 1–11.
25. Lin F., L. He, B. Primkulov, Z. Xu, Dewetting dynamics of a solid microsphere by emulsion drops, J. Phys. Chem. C 118(25) (2014) 13552–13562.
26. Mercade-Prieto R., S. Bakalis, Methodological study on the removal of solid oil and fat strains from cotton fabrics using abrasion, Textile Research Journal 84(1) (2014) 52–65.
27. Ramiasa M., J. Ralston, R. Fetzer, R. Sedev, The influence of topography on dynamic weting, Advances in Colloid Interface Science 206 (2014) 275–293.

28. Wasan D., A. Nikolov, G. Sethumadhavan, Role of structural forces in cleaning soiled surfaces, in: Oil Spill Remediation: Colloid Chemistry-Based Principles and Solutions, Wiley, 2014, Ch. 16.
29. Lamorgese A., R. Mauri, On the buoyancy-driven detachment of a wall-bound pendant drop: Results of phase-field simulations, Chemical Engineering Transactions 43 (2015) 1849−1854.
30. Li X., Q. Xue, T. Wu, Y. Jin, C. Ling, S. Lu, Oil detachment from silica surface modified by carboxy groups in aqueous cetyltriethylammonium bromide solution, Applied Surface Science 353 (2015) 1103–1111.
31. Yulianti K., A.Y. Gunawan, E. Soewono, I. Mucharam, A new approach for modeling of the surfactant effect on a sessile oil drop motion, AIP Conference Proceedings 1677 (2015) Art. No. 030009.
32. Jones S., E. Rio, C. Cazeneuve, L. Nicolas-Morgantini, F. Restagno, G.S. Luengo, Tribological influence of a liquid meniscus in human sebum cleaning, Colloids and Surfaces A 498 (2016) 268−275.
33. Lamorgese A., R. Mauri, Critical conditions for the buoyancy-driven detachment of a wall-bound pendant drop, Physics of Fluids 28(3) (2016) Art. No. 032103.
34. Lim S., H. Zhang, P. Wu, A. Nikolov, D.T. Wasan, The dynamic spreading of nanofluids on solid surfaces – Role of the nanofilm structural disjoining pressure, Journal of Colloid and Interface Science 470 (2016) 22–30.
35. Yuan S., S. Wang, X. Wang, M. Guo, Y. Wang, D. Wang, Molecular dynamics simulation of oil detachment from calcite surface in aqueous surfactant solution, Computational and Theoretical Chemistry 1092 (2016) 82–89.
36. Zheng W.-X., C.-G. Sun, T. Xiong, X.-M. Lu, B.-F. Bai, Effects of surface roughness on oil-water-solid three-phase contact line, Journal of Engineering Thermodynamics 37(9) (2016) 1901–1905.
37. Guthausen G., Diffusometric assessment of food double emulsions, Modern Magnetic Resonance 2017 1–13.
38. Lim S., Hard surface cleaning: A novel approach using wetting nanofluids, PhD Thesis, Illinois Institute of Technology, Chikago, 2017.
39. Lim S., D. Wasan, Structural disjoining pressure induced solid particle removal from solid substrates using nanofluids, Journal of Colloid and Interface Science 500 (2017) 96−104.
40. Shang X., Z. Luo, E.Y, Gatapova, O.A. Kabov, B. Bai, GNBC-based front-tracking method for the three-dimensional simulation of droplet motion on a solid surface, Computers and Fluids 172 (2018) 181−195.
41. Wu P., A.D. Nikolov, D.T. Wasan, Two-phase displacement dynamics in capillary-nanofluid reduces the frictional coefficient, Jornal of Colloid and Interface Science 532 (2018) 153–160.
42. Yulianti K., R. Marwati, Surfactant effect on contact line alteration of a liquid drop in a capillary rube, Journal of Physics: Conference Series 1013 (2018) Art. No. 012148.
43. Walker C., Rational surface nanoenginering for phase change and separation applications: From desublimation control to sunlight-driven antifogging, PhD Thesis, ETH Zurich, 2019.
44. Zheng W., C. Sun, B. Wen, B. Bai, Moving mechanism of the three-phase contact line in a water-deccane-silica system, RSC Advances 9 (2019) 3092–3101.
45. Nikolov A., P. Wu, D. Wasan, Novel approach for calculating the equilibrium foam nanofilm-meniscus contact angle and the film free energy, Journal of Colloid and Interface Science 557 (2019) 591−597.
46. Jha N.K., M. Lebedev, S. Iglauer, M. Ali, H. Roshan, A. Barifcani, J.S. Sangwai, M. Sarmadivaleh, Pore scale investigation of low salinity surfactant nanofluid injection into oil saturated sandstone via X-ray micro-tomography, Journal of Colloid and Interface Science 562 (2020) 370–380.
47. Kumar A., M.R. Gunjan, K. Jakhar, A. Thakur, R. Raj, Unified framework for mapping shape and stability of pendant drops including the effect of contact angle hysteresis, Colloids Surfaces A (2020) 124619.
48. Kumar A., M.R. Gunjan, R. Raj, On the validity of force balance models for predicting gravity-unduced detachment of pendant drops and bubbles, Physics of Fluids 32 (2020) Art. No. 101703.
49. Chen C., D. Li, N. Sun, X. Ma, G. Xiao, J. Zhou, Oil recovery from drilling cuttings by biosurfactant from kitchen waste oil, Energy Sources A 43 (2021) 314–325.

115 P.S. Denkova, S. Tcholakova, N.D. Denkov, K.D. Danov, B. Campbell, C. Shawl, D. Kim, Evaluation of the precision of drop−size determination in oil/water emulsions by low resolution NMR spectroscopy, Langmuir 20 (2004) 11402–11413. (**Citations: 61**)

1. Wolf G., Diffusionsuntersuchengen an (polymer–modifizierten) Mickroemulsionen mittels Feldgradientenimpils–NMR–Spektroskopie, PhD Thesis, Univeristy of Potsdam, Germany, 2005.
2. Guillemin, S. “Extraction aqueuse d'huile de colza assistée par hydrolyse enzymatique: optimisation de la réaction, caractérisation de l’émulsion et étude de procédés de déstabilisation.” PhD Thesis, 2006, l’Institut National Polytechnique de Lorraine, France.
3. Monduzzi M., S. Murgia, NMR of liquid crystals and micellar solutions, Nuclear Magnetic Resonance 35 (2006) 533−554.

4. Pena A.A., G.J. Hirasaki, In Emulsion and Emulsion Stability, Second Ed.; Sjöblom, J; Ed., 2006, CRC Press, Chapter 8, pp. 283–310.
5. Day L., M. Xu, P. Hoobin, I. Burgar, M.A. Augustin, Characterisation of fish oil emulsions stabilised by sodium caseinate, Food Chemistry 105(2) (2007) 469–479.
6. Flaum M., Fluid and rock characterization using new NMR diffusion-editing pulse sequences and two dimensional diffusivity-T2 maps, PhD Thesis, Rice University, 2007.
7. Johns M.L., K.G. Hollingsworth, Characterisation of emulsion systems using NMR and MRI, Progress in Nuclear Magnetic Resonance Spectroscopy 50(2–3) (2007) 51–70.
8. van Duynhoven J.P.M., B. Maillet, J. Schell, M. Tronquet, C.–J.W. Goudappel, E. Trezza, A. Bulbarello, D. van Dusschoten, A rapid benchtop NMR method for determination of droplet size distributions in food emulsions, European Journal of Lipid Science and Technology 109(11) (2007) 1095–1103.
9. Maass S., S. Horn, M. Kraume, Measurement techniques for drop size distribution, Szasopismo Techniszne. Mechanika 105(5) (2008) 219–230.
10. Metz H., K. Mader, Benchtop–NMR and MRI–A new analytical tool in drug delivery research, International Journal of Pharmaceutics 364(2) (2008) 170–175.
11. Gabriele D., M. Migliori, R. Di Sanzo, C.O. Rossi, S.A. Ruffolo, B. De Cindio, Characterisation of dairy emulsions by NMR and rheological techniques, Food Hydrocolloids 23(3) (2009) 619–628.
12. Johns M.L, NMR studies of emulsions, Current Opinion in Colloid and Interface Science 14(3) (2009) 178–183.
13. Maass S., J. Grunig, M. Kraume, Measurement techniques for drop size distributions in stirred liquid–liquid systems, Chemical and Process Engineering 30(4) (2009) 635–651.
14. Mariette F., Investigations of food colloids by NMR and MRI, Current Opinion in Colloid and Interface Science 14(3) (2009) 203–211.
15. Opedal N.T., G. Sorland, J. Sjoblom, Methods for droplet size distribution determinantion of water-in-oil emulsions using low-field NMR, Diffusion-Fundamentals.org 9 (2009) 1–29.
16. Voda M.A., J. van Duynhoven, Characterization of food emulsions by PFG NMR, Trends in Food Science and Technology 20 (11–12) (2009) 533–543.
17. Mine Y., M. Yang, Functional properties of egg components in food systems, Handbook of Poultry Science and Technology 1 (2010) 579–630.
18. Romoscanu A.I., A. Fenollosa, S. Acguistapace, D. Gunes, T. Martins–Deuchande, P. Clausen, R. Mezzenga, E. Hughes, Structure, diffusion, and permeability of protein–stabilized monodispersed oil in water emulsions and their gels: A self–diffusion NMR study, Langmuir 26(9) (2010) 6184–6192.
19. Kashaev R.S.-H., N.R. Faskhiev, Nuclear (Proton) Magnetic Resonance Relaxometry Study of the Effect of Rotating Magnetic Field on the Emulsion Structure, Applied Magnetic Resonance 41(1) (2011) 31–43.
20. Opedal N.T., NMR as a tool to follow destabilization of water-in-oil emulsions, PhD Thesis, Norwegian University of Science and Technology, 2011.
21. Popko A., Programming of pressure emulsification process based on Matlab Mathworks applications, Postepy Nauki I Techniki 10 (2011) 151–158.
22. Simon S., X. Pierrard. J. Sjoblom, G.H. Sorland, Separation profile of model water–in–oil emulsions followed by nuclear magnetic resonance (NMR) measurements: Application range and comparison with a multiple–light scattering based apparatus, J. Colloid Interface Sci. 356(1) (2011) 352–361.
23. Grimes B.A., C.A. Dorao, N.V.D.T. Dorao, I. Kralova, G.H. Sorland, J. Sjoblom, Population balance model for batch gravity separation of crude oil and water emulsions: Part II. Comparison to experimental crude oil separation data, Journal of Dispersion Science and Technology 33(4) (2012) 591–598.
24. Lingwood I.A., T.C. Chandrasekera, J. Kolz, E.O. Fridjonsson, M.L. Johns, mulsion droplet sizing using low-field NMR with chemical shift resolution and the block gradient pulse method, Journal of Magnetic Resonance 214 (2012) 281–288.
25. Abidin M.I.I.Z., A.A.A. Raman, M.I.M. Nor, Review on measurement techniques for drop size distribution in a stirred vessel, Industrial and Engineering Chemistry Research 52(46) (2013) 16085–16094.
26. Carroll N.J., P.F. Crowder, S. Pylypenko, W. Patterson, D.R. Ratnaweera, D. Perahia, P. Atanassov, D.N. Petsev, Microfludic synthesis of monodisperse nanoporous oxide particles and control of hierarchical pore structure, ACS Applied Materials and Interfaces 5(9) (2013) 3524–3529.
27. Gavlighi A., J.D. Mikkelsen, A.S. Meyer, Tragacanth Gum: Structural Composition, Natural Functionality and Enxymatic Conversion as Source of Potential Prebiotic Activity. Kgs. Lyngby: Technical University of Denmark. 2013.
28. Scartlien R., E. Sollum, H. Schumann, Droplet size distributions in turbulent emulsions: breakup criteria and surfactant effects from direct numerical simulations, Journal of Chemical Physics 139(17) (2013) Art. No. 174901.

29. Barrabino A., S. Kelesoglu, G.H. Sorland, S. Simon, J. Sjoblom, Phase inversion in emulsion studied by low field NMR, Colloid Surfaces A 443 (2014) 368–376.
30. Cimpeanu R., D.T. Papageorgio, Electrohydrodynamically induced pumping and mixing of multifluid systems in microchannels, 4th Micro and Nano Flows Conference, University College London, UK, 7-10 September 2014.
31. Fridjonsson E.O., B.F. Graham, M. Akhfash, E.F. May, M.L. Johns, Optimized droplet sizing of water-in-crude oil emulsions using nuclear magnetic resonanse, Energy and Fuels 28(3) (2014) 1756–1764.
32. Kaltisa O., I. Gatsi, S. Yanniotis, I. Mandala, Influence of ultrasonication parameters on physical characteristics of olive oil model emulsions containing xanthan, Food and Bioprocess Technology 7(7) (2014) 2038–2049.
33. Kirtil E., M.H. Oztop, liposomes as encapsulation agent for food applications: Structure, characterization, and stability, Academic Food Journal 12(4) (2014) 41–57.
34. Paulsen J.L., Y.-Q. Song, Two-dimensional diffusion time correlation experiment using a single direction gradient, Journal of Magnetic Resonance 244 (2014) 6–11.
35. Proverbio A., B.M. Siow, M.F. Lythgoe, D.C. Alexander, A.P. Gibson, Multimodality characterization of microstructure by the combination of diffusion NMR and time-domain diffuse optical data, Physics in Medicine and Biology 59(11) (2014) 2639–2658.
36. Proverbio A., B.M. Siow, D.C. Alexander, J.C. Hebden, A. Gibson, combined diffuse scatter spectroscopy and diffusion NMR for quantitative characterization of microstructure, Biomedical Optics, Miami, Florida, 2014.
37. Sandnes R., S. Simon, J. Sjoblom, G.H. Sorland, Optimization and validation of low field nuclear magnetic resonance sequences to determine low water contents and water profiles in W/O emulsions, Colloid Surfaces A 441 (2014) 441–448.
38. Vermeir L., M. Balcaen, P. Sabatino, K. Dewettinck, P. Van der Meeren, Influence of molecular exchange on the enclosed water volume fraction of W/O/W double emulsions as determined by low-resolution NMR diffusometry and T_2-relaxometry, Colloid Surfaces A 456(1) (2014) 129–138.
39. Bahram-Parvar M., A review of modern experimental technique for measurements of ice cream characteristics, Food Chemistry 188 (2015) 625–631.
40. Cimpeanu R., Modelling, analysis and simulation of incompressible multi-fluid flow, PhD Thesis, Imperial College London, 2015.
41. Cimpeanu R., D.T. Papageorgiou, Electrostatically induced mixing in controlled stratified multi-fluid systems, International Journal of Multiphase Flow 75 (2015) 194–204.
42. Ghahraee M., The effect of length scale on flow properties of micro, nano and macro-emulsions, PhD Thesis, Unversity of Wellington, NZ, 2015.
43. Ng S.M., Portable NMR-based sensors in medical diagnostic, Application of NMR Spectroscopy 2(23) (2015) 121–146.
44. Patel A.R., P. Dumlu, L. Vermeir, B. Lewille, A. Lesaffer, K. Deweltinck, Rheological characterization of gel-in-oil-in-gel structured emuslions, Food Hydrocolloids 46 (2015) 84–92.
45. Schumann H., M. Khatibi, M. Tukun, B. Pettersen, Z. Yang, O.J. Nydal, Droplet size measurements in oil-water dispersions: A comparison study using FBRM and PVM, Journal of Dispersion Science and Technology 36(10) (2015) 1432–1443.
46. Zhang H. L. Zhang, X. Sun, S. Xie, Applications of low-field pulsed nuclear magnetic resonance technique in lipid and food, Applications of NMR Spectroscopy 1 (2015) 3–56.
47. Kwamman Y., B. Mahisanunt, S, Matsukawa, Evaluation of electrostatic interaction between lysolecithin and chitosan in two-layer tuna oil emulsions by NMR spectroscopy, Food Biophysics 11(2) (2016) 165–175.
48. Song R., Y.-Q. Song, M. Vembusubramanian, J.L. Paulsen, The robust identification of exchange from T2-T2 time-domain features, Journal of Magnetic Resonance 256 (2016) 164–171.
49. Vermeir L., P. Sabatino, M. Balcaen, A. Declerc, K. Dewettinck, J.C. Martins, P. Van der Meeren, Effect of molecular exchange on water droplet size analysis in W/O emulsions as determined by diffusion NMR, Journal of Colloid and Interface Science 463 (2016) 128–136.
50. Vermeir L., P. Sabatino, M. Balcaen, A. Declerk, K. Dewettinck, J.C. Martins, G. Guthausen, P. Van der Meeren, Effect of molecular exchange on water droplet size analysis as determined by diffusion NMR: The W/O/W double emulsion case, Journal of Colloid and Interface Science 475 (2016) 57–65.
51. Wang C., H. Fang, Q. Gong, Z. Xu, Z. Liu, L. Zhang, S. Zhou, Roles of catanionic surfactant mixtures on the stability of foams in the presence of oil, Energy and Fuels 30(8) (2016) 6355–6364.
52. Linke A., T. Anzmann, J. Weiss, R. Kohlus, Advanced characterization of encapsulated lipid powders regarding microstructure by time domain-nuclear magnetic resonance, Journal of Microencapsulation 34(2) (2017) 140–150.

53. Masumdar M. S. Roy, Gravity induced coalescence in emulsions with high volume fractions of dispersed phase in the presence of surfactants, AIChE Journal 63(10) (2017) 4379–4389.
54. Guthausen G., Diffusometric assessment of food double emulsions, Modern Magnetic Resonance (2018) 1417–1429.
55. Koshiba Y., T. Tomita, H. Ohtani, Oil-in-water microemulsion containing ferrocene: A new fire suppressant, Fire Safety Journal 98 (2018) 82–89.
56. Norouzi H., M. Madhi, M. Seyyedi, M. Rezaee, Foam propagation and oil recovery potential at large distances from an injection well, Chemical engineering Research and Design 135 (2018) 67–77.
57. D’Agostino C., V. Preziosi, A. Khan, M. Mantle, E. Fridjonsson, S. Guido, Microstructure evolution during nano-emulsification by NMR and microscopy, Journal of Colloid and Interface Science 551 (2019) 138–146.
58. Mitchell J., Magnetic resonance diffusion measurements of droplet size in drilling fluid emulsions on a benchtop instrument, Colloid Surfaces A 564 (2019) 69–77.
59. Bielas R., Z. Rozynek, T. Hornowski, A. Josefczak, Ultrasound control of iol-in-oil Pickering emulsions preparation, Journal of Physics D 53 (2020) Art. No. 085301.
60. Hakansson A., Experimental methods for measuring the breakup frequency in turbulent emulsification: A critical review, ChemEngineering 52(4) (2020) 1–34.
61. Munoz S.C.M., Understanding submicron foulants in produced water and their interactions with ceramic materials, PhD Thesis, King Abdula University, 2020.

114 K.D. Danov, P.A. Kralchevsky, M.P. Boneva, Electrodipping force acting on solid particles at a fluid interface, Langmuir 20 (2004) 6139–6151. (**Citations: 94**)

1. Binks B.P., J.H. Clint, G. Mackenzie, C. Simcock, C.P. Whitby, Naturally occurring spore particles at planar fluid interfaces and in emulsions, Langmuir 21(18) (2005) 8161–8167.
2. Dominguez A., M. Oettel, S. Dietrich, Capillary–induced interactions between colloids at an interface, J. Physics: Condensed Matter 17(45) (2005) S3387–S3392.
3. Helseth L.E., R.M. Muruganathan, Y. Zhang, T.M. Fischer, Colloidal rings in a liquid mixture, Langmuir 21(16) (2005) 7271–7275.
4. Horozov T.S., B.P. Binks, Particle behaviour at horizontal and vertical fluid interfaces, Colloids Surfaces A 267(1–3) (2005) 64–73.
5. Horozov T.S., R. Aveyard, B.P. Binks, J.H. Clint, Structure and stability of silica particle monolayers at horizontal and vertical octane–water interfaces, Langmuir 21(16) (2005) 7405–7412.
6. Horozov T.S., R. Aveyard, J.H. Clint, B. Neumann, Particle zips: vertical emulsion films with particle monolayers at their surfaces, Langmuir 21(6) (2005) 2330–2341.
7. Kaptay G., Classification and general derivation of interfacial forces, acting on phases, situated in the bulk, or at the interface of other phases, J. Materials Science 40(9–10) (2005) 2125–2131.
8. Loudet J.C., A.M. Alsayed, J. Zhang, A.G. Yodh, Capillary interactions between anisotropic colloidal particles, Phys. Rev. Lett. 94(1) (2005) 1–4.
9. Oettel M., A. Dominguez, S. Dietrich, Attractions between charged colloids at water interfaces, J. Physics: Condens. Matter 17(32) (2005) L337–L342.
10. Oettel M., A. Dominguez, S. Dietrich, Effective capillary interaction of spherical particles at fluid interfaces, Phys. Rev. E 71(5) (2005) 1–16.
11. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Capillary forces between spherical particles floating at a liquid–liquid interface, Langmuir 21(24) (2005) 11190–11200.
12. Würger A., L. Foret, Capillary attraction of colloidal particles at an aqueous interface, J. Phys. Chem. B 109(34) (2005) 16435–16438.
13. Agod Attila, P. Szerkezetkepzodes modellezese nanoreszecskek Langmuir–filmjeiben, Ph.D. Thesis, Dept. Phys. Chem., Budapest University of Technology & Economics, Hungary, 2006.
14. Bergström L., Structure and formation of particle monolayers at liquid interfaces, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 77–107.
15. Binks B.P., T.S. Horozov, Colloidal particles at liquid interfaces: an introduction, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 1–76.
16. Bordacs S., A. Agod, Z. Horvolgyi, Compression of Langmuir films composed of fine particles: collapse mechanism and wettability, Langmuir 22(16) (2006) 6944–6950.
17. Dryfe R.A.W., Modifying the liquid/liquid interface: pores, particles and deposition, Phys. Chem. Chem. Phys. 8(16) (2006) 1869–1883.

18. Fernández–Toledano J.C., A. Moncho–Jordá, F. Martínez–López, R. Hidalgo–Álvarez, Theory for interactions between particles in monolayers, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 108–151.
19. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451–475.
20. Fuller G.G., E.J. Stancik, S. Melle, Particle–laden interfaces: rheology, coalescence, adhesion and buckling, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 169–185.
21. Ngai T., H. Auweter, S.H. Behrens, Environmental responsiveness of microgel particles and particle–stabilized emulsions, Macromolecules 39(23) (2006) 8171–8177.
22. Oettel M., A. Dominguez, S. Dietrich, Comment on electrodipping force acting on solid particles at a fluid interface, Langmuir 22(2) (2006) 846–847.
23. Reynaert S., P. Moldenaers, J. Vermant, Control over colloidal aggregation in monolayers of latex particles at the oil–water interface, Langmuir 22(11) (2006) 4936–4945.
24. Tsai, Wu–Liou, Interfacial Colloid–Clusters, M.Sc. Thesis, National Central University, Taiwan, 2006.
25. Vassileva N.D., Behavior of Two–Dimensional Aggregates in Shear Flow, PhD Thesis, Group of Complex Fluids, University of Twente, The Netherlands, 2006.
26. Würger A., Screened electrostatics of charged particles on a water droplet, Europ. Phys. J. 19(1) (2006) 5–15.
27. Zeng C., H. Bissig, A.D. Dinsmore, Particles on droplets: from fundamental physics to novel materials, Solid State Communications 139(11–12) (2006) 547–556.
28. Benkoski J.J., R.L. Jones, J.F. Douglas, A. Karim, Photocurable oil/water interfaces as a universal platform for 2–D self–assembly, Langmuir 23(7) (2007) 3530–3537.
29. Deak, A., Nanorészecskés Langmuir– és Langmuir– Blodgett–filmek: előállítás és jellemzés. Ph.D. Thesis, Budapest University of Technology and Economics, Hungary, 2007.
30. Dominquez A., M. Oettel, S. Dietrich, Theory of capillary–induced interactions beyond the superposition approximation, J. Chem. Phys. 127(20) (2007) Art. No. 204706.
31. Huang W.A., Q. Lan, Y. Zhang, Colloid particles adsorption and interfacial assembly at the fluids interface, Progress in Chemistry 19(2–3) (2007) 212–219.
32. Safouane M., D. Langevin, B.P. Binks, Effect of particle hydrophobicity on the properties of silica particle layers at the air–water interface, Langmuir 23(23) (2007) 11546–11553.
33. Wu S., A. Nikolov, D. Wasas, Role of collective interactions in self–assembly of charged particles at liquid interfaces, Canadian Journal of Chemical Engineering 85(5) (2007) 562–569.
34. Bohley C., R. Stannarius, Inclusions in free standing smectic liquid crystal films, Soft Matter 4(4) (2008) 683–702.
35. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Chemistry and Biochemistry, Florida State University, 2008.
36. Dhar P., V. Prasad, E.R. Weeks, T. Bohlein, T.M. Fischer, Immersion of charged nanoparticles in a salt solution/air interface, Journal of Physical Chemistry B 112(32) (2008) 9565–9567.
37. Dominquez A., M. Oettel, S. Dietrich, Force balance of particles trapped at fluid interfaces, Journal of Chemical Physics 128(11) (2008) art. no. 114904.
38. Fan D., P.J. Thomas, P. O'Brien, Pyramidal lead sulfide crystallites with high energy {113} facets, Journal of the American Chemical Society 130(33) (2008) 10892–10894.
39. Lewandowski E.P., J.A. Bernate, P.C. Searson, K.J. Stebe, Rotation and alignment of anisotropic particles on nonplanar interfaces, Langmuir 24(17) (2008) 9302–9307.
40. Nagy, L.N., Preparation and characterization of functional nanostructured thin layers composed of silica, ZnO and core/shell silica/ZnO particles, Ph.D. Thesis, Budapest University of Technology and Economics, Hungary, 2008.
41. Oettel M., S. Dietrich, Colloidal interactions at fluid interfaces, Langmuir 24(4) (2008) 1425–1441.
42. Toledano J.C.F., Interactions, structure and kinetic properties of colloidal monolayers, PhD Thesis, Department of Applied Physics, Granada University, Spain, 2008.
43. Chekman, I.S., Nanoscience: historical aspects and prospects of investigations, УКР. МЕД. ЧАСОПИС, **3** (71) – V/VI, 2009.
44. Chen W., S. Tan, Y. Zhou, T.K. Nq, W.T. Ford, P. Tonq, Attraction between weakly charged silica spheres at a water–air interface induced by surface–charge heterogeneity, Phys. Rev. E 79(4) (2009) Art. No. 041403.
45. De Graaf J., M. Dijkstra, R. Van Roij, Triangular tessellation scheme for the adsorption free energy at the liquid–liquid interface: Towards nonconvex patterned colloids, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 80(5) (2009) art. no. 051405.

46. Oettel M., A. Dominquez, M. Tasinkevych, S. Dietrich, Effective interactions of colloids on nematic films, European Physical Journal E 28(2) (2009) 99–111.
47. Dominquez A., Capillary forces between colloidal particles at fluid interfaces, in: Structure and Functional Properties of Colloidal Systems, CRC Press, 2010, Ch. 2.
48. Horvolgiu Z.D., Anorganikus reszecskek folyadek-fluidum hatarretegbeli diszperzioi es szilard hordozos filmjei, 2010.
49. Wu C., D. Lee, M.R. Zachariah, Aerosol–based self–assembly of nanoparticles into solid or hollow mesospheres, Langmuir 26(6) (2010) 4327–4330.
50. Xu H., J. Kirkwood, M. Lask, G. Fuller, Charge interaction between particle–laden fluid interfaces, Langmuir 26(5) (2010) 3160–3164.
51. Gharby M.A., Comportement de colloides pieges aux interfaces de nematiques, PhD Thesis, University Monpellier II, 2011.
52. Ma H., L.L. Dai, Particle self–assembly in ionic liquid–in–water pickering emulsions, Langmuir 27(2) (2011) 508–512.
53. Song Y., L.L. Dai, Formation and dynamics of capillary-flow-induced colloidal rings, Langmuir 27(12) (2011) 7361–7365.
54. Thomas P.J., D. Fan, P. O’Brien, Interfacial synthesis of pyramidal lead sulfide crystallites with high energy {331} facets, J. Colloid Interface Sci. 354(1) (2011) 210–218.
55. Thomas P.J., E. Albrasi, S.N. Mlondo, P. O’Brien, The assembly of metal nanocrystals into films mediated by amines at the water-oil interface, Journal of Physical Chemistry C 115(30) (2011) 14668–14672.
56. Zeng C., Capillary interactions among microparticles and nanoparticles at fluid interfaces, PhD Thesis, University of Massachusetts, 2011.
57. Микитюк М.В., Наночастинки та перспективи их застосуваня, Проблеми екологии и медицини 15(5-6) (2011).
58. Fuller G.G., J. Vermant, Complex fluid-fluid interfaces: rheology and structure, Annual Review of Chemical and Biomolecular Enginnering 3 (2012) 519–543.
59. Garbin V., J.C. Crocker, K.J. Stebe, Nanoparticles at fluid interfaces: exploiting capping ligands to control adsorption, stability and dynamics, Journal of Colloid and Interface Sci. 387(1) (2012) 1–11.
60. de Graaf J., Anysotropic nanocolloids: self-assembly, interfacial adsorption, and electrostatic screening, PhD Thesis, Utrech University, 2012.
61. Shrestha A., K. Bohinkc, S. May, Immersion depth of positively versus negatively charged nanoparticles at the air-water interface: A Poisson-Boltzmann model, Langmuir 28(40) (2012) 14301–14307.
62. Abkarian M., S. Protiere, J.M. Aristoff, H.A. Stone, Gravity-induced encapsulation of liquids by destavilization of granular rafts, Nature Communicaitons 4 (2013) Art. No. 1895.
63. Rezvantalab H., S. Shojaei-Zadeh, Role of geometry and amphiphilicity on capillary-induced interactrions between anisotropic janus particles, Langmuir 29(48) (2013) 14962–14970.
64. Sinha A., A.K. Mollah, S. Hardt, R. Ganguly, Particle dynamics and separation at liquid-liquid interfaces, Soft Matter 9(22) (2013) 5438–5447.
65. Thomas P.J., E. Mbufu, P. O’Brien, Thin films of metals, metal chalcogenides and oxides deposited at the water-oil interface using molecular precursors, Chemical Communications 49(2) (2013) 118–127.
66. Gao P., X. Xing, Y. Li, T. Ngai, F. Jin, Charging and discharging of single colloidal particles at oil/water interfaces, Scientific Reports 4 (2014) Art. No. 4778.
67. Jana M.K., B. Murali, S.B. Krupanidhi, K. Biswas, C.N.R. Rao, Fabrication of large area PbSe films at the organic-infrared photoresponse, Journal of Materials Chemistry C 2(31) (2014) 6283–6289.
68. Majee A., M. Bier, S. Dietrich, Electrostatic interaction between coloidal particles trapped at an electrolyte interface, Journal of Chemical Physics 140(16) (2014) Art. No. 164906.
69. Rezvantalab H., S. Shojaei-Zadeh, Designing patchy particles for optimum interfacial activity, Physical Chemistry Chemical Physics 16(18) (2014) 8283–8293.
70. Rezvantalab H., S. Shojael-Zadeh, Behavior of Janus particles at liquid interfaces, ASME 1D (2014) 109724.
71. Tsabet E., De la particule au procede: modelisation de la production d’emulsions de pickering, PhD Thesis, Montreal Unicersity, 2014.
72. Davies G.B., L. Botto, Dipolar capillary interaction between tilted ellipsoidal particles adsorbed at fluid-fluid interfaces, Soft Matter 11(40) (2015) 7969–7976.
73. Vora S.R., B. Bognet, H.S. Patanwala, F. Chinesta, A.W.K. Ma, Surface pressure and microstructure of carbon nanotubes at an iar-water interface, Langmuir 31(16) (2015) 4663–4672.
74. Al Chaghouri, M.A. Malik, P.J. Thomas, P. O’Brien, Assembly of submicron sized Ag, Co and Ni particles into thib films at liquid/liquid interfaces, Journal of Nanosicence and Nanotechnology 16(5) (2016) 5420–5425.

75. Bier M., General properties of ionic complex fluids, PhD Thesis, Stuttgard University, 2016.
76. Bossa G.V., J. Roth, K. Bohinc, S. May, The apparent charge of nanoparticles trapped at a water interface, Soft Matter 12(18) (2016) 4229–4240.
77. Bossa G.V., K. Bohinc, M.A. Brown, S. May, Dipole moment of a charged particle trapped at the air-water interface, Journal of Physical Chemistry B 120(26) (2016) 6278–6285.
78. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
79. Everts J.C., Colloidal dispersions of repulsive nanoparticles: tunable effective interactions, phase behavior and anisotropy, PhD Thesis, Utrech University, 2016.
80. Boglaienko D., B. Tansel, Preferential positioning and phase exposure of granular particles at hydrophobic liquid-water interface, Journal of Cleaner Production 142 (2017) 2629–2636.
81. Jeridi H., Comportements collo¨idaux dans des films minces de cristaux liquids, PhD Thesis, niversit´e de Tunis El Manar, Fran¸cais, 2017.
82. Kang D.W., M. Lee, K.H. Kim, M. Xia, S.H. Im, B.J. Park, Electrostatic interactions between particles thruogh heterogeneous fluid phases, Soft Matter 13(37) (2017) 6647–6658.
83. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide to nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.
84. Amoanu D., Voltage-tunable 2D and 3D structures og gold nanoparticles at a water/1,2-dichloroethane interface, PhD Thesis, University of Illinois of Chikago, 2018.
85. Eigenbrod M., F. Bihler, S. Hardt, Electrokinetics of a particle attached to a fluid interface: Electrophoretic mobility and interfacial deformation, Physical Review Fluids 3 (2018) Art. No. 103701.
86. Maestro A., E. Santini, E. Guzman, Physico-chemical foundarion of particle-laden fluid interfaces, The European Physical Journal E August (2018) 41–97.
87. Rivas N., S. Frijters, I. Pagonabarraga, J. Harting, Mesoscopic electrohydrodynamic simulations of binary colloidal suspensions, Journal of Chemical Physics 148(14) (2018) Art. No. 144101.
88. Yang X., A. Mayer, G. Bournival, R. Pugh, S. Ata, Experimental technique to study the interaction between a bubble and particle-laden interface, Frontiers in Chemistry 6 (2018) 348.
89. Hu Y., P. Vlahovska, M.J. Miksis, Dielectric spherical particle on an interface in an applied electric field, SIAM Journal of Applied Mathemetics 70(3) (2019) 850–875.
90. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
91. Hardt S., J. Hartmann, S. Zhao, A. Bandopadhyay, Electric field-inducced pattern formation in layers of DNA molecules at the interface between two immiscible liquids, Physical Review Letters 124 (2020) Art. No. 064501.
92. Correia E.L., N. Brown, S. Razavi, Janus particles at fluid interfaces: Stability and interfacial rheology, Nanomaterials 11 (2021) Art. No. 374.
93. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
94. Barakat J.M., T.M. Squires, Capillary force on an 'inert' colloid: A physical analogy to dielectrophoresis, Soft Matter 17 (2021) 3417–3442.

113 K.D. Danov, Effect of surfactants on drop stability and thin film drainage, in: V. Starov, I.B. Ivanov (Eds.), Fluid Mechanics of Surfactant and Polymer Solutions, Springer, New York, 2004, pp. 1–38. (**Citations: 27**)

1. Urbina–Villalba G., M. Garcia–Sucre, Role of the secondary minimum on the flocculation rate of nondeformable drops, Langmuir 21(15) (2005) 6675–6687.
2. Eliseeva O.V., Wetting films stabilized by block–copolymers, PhD Thesis, Wageningen University, The Netherland, 2006.
3. Frising T., C. Noik, C. Dalmazzone, The liquid/liquid sedimentation process: from droplet coalescence to technologically enhanced water/oil emulsion gravity separations: a review, J. Dispersion Science Technology 27(7) (2006) 1035–1057.
4. Sosnowski T.R., M.K. Pavelec, L. Gradon, Influence of deformations on dynamic properties of gas–liquid interface in the presence of surfactants, Inzynieria chemiczna i procesowa 27(1) (2006) 93–106.
5. Sosnowski T., Efekty dynamiczne w układach ciecz-gaz z aktywną powierzchnią międzyfazową, Prace Widzialu Inzinieri Chemichnei 30(2) (2006) 3–141.
6. Frising T., C. Noik, C. Dalmazzone, Y. Peysson, T. Palermo, Contribution of the sedimentation and coalescence mechanisms to the separation of concentrated water–in–oil emulsions, J. Dispersion Science Technology 29(6) (2008) 827–834.

7. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
8. Adkins S.S., Carbon dioxide and water emulsion stability and rheology with nonioinic hydrocarbon surfactants or perticles, PhD Thesis, University of Texas, 2009.
9. Adkins S.S., X. Chen, I. Chan, E. Torino, Q.P. Nguyen, A.W. Sanders, K.P. Johnston, Morphology and stability of CO_2–in–Water foams with nonionic hydrocarbon surfactants, Langmuir 26(8) (2010) 5335–5348.
10. Karakashev S.I., D.S. Ivanova, Thil liquid film drainage: ionic vs. non–ionic surfactants, J. Colloid Interface Sci. 343 (2010) 584–593.
11. Karakashev S.I., R. Tsekov, D.S. Ivanova, Dynamic effects in thin liquid films containing ionic surfactants, Colloids Surfaces A 356(1–3) (2010) 40–45.
12. Zhang L.–M., K. Zhang, L.–M. He, G. Mojtaba, Design, experiment and practical application of high voltage electrostatic coalescer, Gaudianya Jichu/High Voltage Engineering 36(7) (2010) 1797–1802.
13. Osorio P., G. Urbina-Villalba, Influence of drop deformability on the stability of decane-in-water emulsions, J. Surfactants and Detergents 14(2) (2011) 281–300.
14. Schmitte E.A., Herstellung unilamellarer Vesikel durch Phasentransferprozesse, PhD Thesis, Technical University, Dortmund, 2011.
15. Zhang L., K. Zhang, M. Ghadiri, A. Hassanpour, X. Chen, The electrostatic coalescence mechanism of surfactant droplets, Journal of Basic Science and Engineering 19(6) (2011) 877–885.
16. Zhang L., K. Zhang, X. Li, M. Ghadiri, A. Hassanpour, Electrostatic movement characteristics of droplets in a highly electric field, Shiyou Xuebao/Acta Petrolei Sinica 32(3) (2011) 524–528.
17. Kiran S.K., E.J. Acosta, HLD-NAC and the formation and stability of emulsions near the phase inversion point, Industrial and Engineering Chemistry Research 54(25) (2015) 6467–6479.
18. Ghosal S., J.D. Sherwood, Screened Coulomb interactions with non-uniform surface charge, Proceedings of the Royal Society A 473(2199) (2017) Art. No. 20160906.
19. Joshi K., Behaviour of thin colloidal films and fundamental studies of convective deposition, PhD Thesis, Lehigh University, 2017.
20. Calmelet C., V. Rosenhaus, C. Squellati, Invariant solutions of surfactant-driven flows, Acta Mechanica (2018) 1–19.
21. Dudek M.J., Produced water quality and microfluidic methods for studing drop-drop and drop-bubble interactions in produced water, PhD Thesis, Norwegian University of Sicence and Technology, 2018.
22. Guo L., S. Liu, Progress in micro-mechanism amd influencing factors pf electro-demulsification, Oilfield Chemistry 35(4) (2018) 750–756.
23. Dudek M., D. Fernandes, E.H. Hero, G. Oye, Microfluidic method for determining the drop-drop coalescence and contact times in flow, Colloid and Surfaces A (2019) Art. No. 124265.
24. Dudek M., E.A. Vik, S.V. Aanesen, G. Oye, Colloid chemistry and experimental techniques for understanding fundamental behaviour of produced water in oil and gas production, Advances in Colloid and Interface Science 276 (2020) Art. No. 102105.
25. Joshi K., J.F. Gilchrist, Effect of added surfactant on convective-assembly of monosized microspheres, Applied Physics Letters 116 (2020) Art. No. 083702.
26. Rezaei A., Z. Derikvand, R. Parsaei, M. Imanivarnosfaderani, Surfactant-silica nanoparticle stabilized N_2-foam flooding: A mechanistic study on the effect of surfactant type and temperature, Journal of Molecular Liquids 325 (2021) Art. No. 115091.
27. Rondepierre G., F. Lequeux, E. Verneuil, N. Passade-Boupat, L. Talini, spinodal stratification in micellar films between oil and silica, Physical Review E 103 (2021) Art. No. 052801.

111 K.D. Danov, S.D. Kralchevska, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Mixed solutions of anionic and zwitterionic surfactant (betaine): surface−tension isotherms, adsorption, and relaxation kinetics, Langmuir 20 (2004) 5445–5453. (**Citations: 110**)

1. Lopez−Diaz D., I. Garcia−Mateos, M.M. Velazquez, Synergism in mixtures of zwitterionic and ionic surfactants, Colloids Surfaces A 270−271(1−3) (2005) 153−162.
2. Wydro P., M.J. Paluch, A study of the interaction of dodecyl sulfobetaine with cationic and anionic surfactant in mixed micelles and monolayers at the air/water interface, J. Colloid Interface Sci. 286(1) (2005) 387−391.
3. Golemanov K., S. Tcholakova, N.D. Denkov, T. Gurkov, Selection of surfactants for stable paraffin−in−water dispersions, undergoing solid−liquid transition of the dispersed particles, Langmuir 22(8) (2006) 3560−3569.
4. Lopez−Diaz D., I. Garcia−Mateos, M.M. Velazquez, Surface properties of mixed monolayers of sulfobetaines and ionic surfactants, J. Coloid Interface Sci. 299(2) (2006) 858−866.

5. Angarska J., C. Stubenrauch, E. Manev, Drainage of foam films stabilized with mixtures of non–ionic surfactants, Colloids Surfaces A 309(1–3) (2007) 189–197.
6. Kalekar M.S., S.S. Bhagwat, Effect of additives on the dynamic behavior of surfactants in solution, J. Dispersion Science Technology 28(6) (2007) 907–911.
7. Singh K., D.G. Marangoni, Synergistic interactions in the mixed micelles of cationic gemini with zwitterionic surfactants: the pH and spacer effect, J. Colloid Interface Sci. 315(2) (2007) 620–626.
8. Wang, Z.–Y., Hu, X.–Y., Fang, Y., Zhang, S.–F., AIChE Annual Meeting, Conference Proceedings, 2007.
9. Wydro P., The influence of the size of the hydrophilic group on the miscibility of zwitterionic and nonionic surfactants in mixed monolayers and micelles, J. Colloid Interface Sci. 316(1) (2007) 107–113.
10. Behera K., S. Pandey, Ionic Liquid Induced Changes in the Properties of Aqueous Zwitterionic Surfactant Solution, Langmuir 24 (2008) 6462–6469.
11. Fournial A.–G., Contributions of advance NMR techniques to the deformulation of complex fluid systems, PhD Thesis, Lil University, France, 2008.
12. Mahajan R.K., K.K. Vohra, A. Shaheen, V.K. Aswal, Investigations on mixed micelles of binary mixtures of zwitterionic surfactants and triblock polymers: A cyclic voltammetric study, Journal of Colloid and Interface Science 326(1) (2008) 89–95.
13. Nasr–El–Din H.A., A.H. Al–Ghamdl, A. Al–Qahtani, M.M. Samuel, Impact of acid additives on the rheological properties of a viscoelastic surfactant and their influence on field application, SPE Journal 13(1) (2008) 35–47.
14. Qi L., Y. Fang, Z. Wang, M. Zhong, N. Ma, Investigation of surface activity of α-captic betaine zwitterionic surfactant, Journal of Jiangnan University 17(6) (2008) 725–729.
15. Shen W., L.–M. Wang, H. Tian, Quaternary ammonium salt gemini surfactants containing perfluoroalkyl tails catalyzed one–pot Mannich reactions in aqueous media, Journal of Fluorine Chemistry 129(4) (2008) 267–273.
16. Chai J.L., J. Liu, H.L. Li, Phase diagrams and chemical physical properties of dodecyl sulfobetain/alcohol/oil/water microemulsion system, Colloid Journal 71(2) (2009) 257–262.
17. Zhu Y., G. Xu, H. Gong, D. Wu, Y. Wang, Production of ultra–low interfacial tension between crude oil and mixed brine solution of Triton X–100 and its oligomer Tyloxapol with cetyltrimethylammonium bromide induced by hydrolyzed polyacrylamide, Colloids and Surfaces A: Physicochemical and Engineering Aspects 332(2–3) (2009) 90–97.
18. Chu Z., Y. Feng, X. Su, Y. Han, Wormlike micelles and solution properties of a C22–tailed amidosulfobetaine surfactant, Langmuir 26(11) (2010) 7783–7791.
19. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Adsorption layer characteristics of mixed oxyethylated surfactant solutions, Jornal of Physical Chemistry B 144(13) (2010) 4503–4508.
20. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Adsorption layer characteristics of multi–component surfactants solutions, Soft Matter 6(19) (2010) 4694–4700.
21. Fainerman V.B., E.V. Aksenenko, S.V. Lylyk, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed sodium dodecyl sulfate/C nEOm solutions 1. Dynamic and equilibrium surface tension, Langmuir 26(1) (2010) 284–292.
22. Hu X., Y. Li, H. Sun, X. Song, Q. Li, X. Cao, Z. Li, Effect of divalent cationic ions on the adsorption behavior of zwitterionic surfactant at silica/solution interface, J. Physcial Chemistry B 114(27) (2010) 8910–8916.
23. Lopez–Diaz D., E. Sarmiento–Gomez, C. Garza, R. Castillo, A rheological study in the dilute regime of the worm–micelle fluid made of zwitterionic surfactant (TDPS), anionic surfactant (SDS), and brine, J. Colloid Interface Sci. 348(1) (2010) 152–158.
24. Nachbar L.S., Effects of formulation conditions on micellar interactions and solution rheology in multicomponent micellar systems, PhD Thesis, MIT, 2010.
25. Wang Z.Y., S.F. Zhang, Y. Fang, L.Y.Qi, Synergistic Behavior Between Zwitterionic Surfactant alpha–Decylbetaine and Anionic Surfactant Sodium Dodecyl Sulfate, Journal of Surfactants and Detergents 13(4) (2010) 381–385.
26. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Equilibrium adsorption layer characteristics of mixed sodium dodecyl sulphate/Triton solutions, Colloids and Surfaces 385(1–3) (2011) 139–143.
27. Singh N., K.K. Ghosh, Micellar characteristics and surface properties of some sulfobetaine surfactants, Tenside, Surfactants, Detergents 48(2) (2011) 160–164.
28. Staszac K., D. Wieczorek, R. Zielinski, WŁAŚCIWOŚCI POWIERZCHNIOWE WODNYCH ROZTWORÓW KOKOBETAINY, 2011.
29. Wieczorek D., K. Michocka, K. Staszac, Properties of cocobetaine aqueous solutions, Zeszyty Naukowe 212 (2011) 148–158.
30. Xu Z., S.-L. Yuan, H. Yan, C.-B. Liu, Adsorption of histidine and histidine-containing peptides on Au(111): A molecular dynamics study, Colloid and Surfaces A 380(1–3) (2011) 135–142.

31. Zhang Y., D.J.F. Taylor, R.K. Thomas, J. Penfold, The effects of the addition of the polyelectrolyte, poly(ethyleneimine), on the adsorption of mixed surfactants of sodium dodecylsulfate and dodecyldimethylaminoacetate at the air–water interface, J. Colloid Interface Sci. 356 (2011) 647–655.
32. Banerjee C., S. Mandal, S. Ghosh, V.G. Rao, N. Sarkar, Tuning the probe location on zwitterionic micellar system with variation of pH and addition of surfactamts with different alkyl chains: solvent and rotational relaxation study, Journal of Physical Chemisry B 116(36) (2012) 11313–11322.
33. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.
34. de Souza T.P., H. Chaimovich, A. Fahr, B. Schweitzer, A.A. Neto, I.M. Cuccovia, Interfacial concentrations of chloride and bromide in zwitterionic micelles with opposite dipoles: Experimental determination by chemical trapping and a theoretical description, J. Colloid Interface Science 371(1) (2012) 62–72.
35. Duan Y., Z. Cheng, X. Ma, Study of reducing the content of sodim chloride in amphoteric surfactant dodecyl dimethyl hydroxypropyl sulfo lycine, Guangzhou Chemical Industry 40(22) (2012).
36. Garg R., Supramolecular chemistry of host-guest inclusion complexes, Natural Sceince, India, 2012.
37. Liu N., J. Chi, S. Gao, F. Shen, X. Ye, The method for the determination of anionic surfactants in water reuse on chloroform waste liquid, Guangzhou Chemical Industry 40(22) (2012).
38. Madunic-Cacic D., M. Sak-Bosnar, R. Matesic-Puac, M. Samardzic, Potemtiometric determination of anionic surfactants in formulation containing cocoamidopropyl betaine, Int. J. Electrochem. Sci. 7 (2012) 875–885.
39. Marquerie S., M. Pissavini, A. Boud, T. Carayol, A new chemical approach to optimize the in vitro SPF method on the HD6 PMMA plate, J. Cosmet. Sci. 63 (2012) 243–254.
40. Prajapati R.R., S.S. Bhagwat, Effect of foam boosters in the micellization and adsorption of sodium dodecyl sulfate, Journal of Chemical and Engineering Data 57(12) (2012) 3644–3650.
41. Rao V.G., C. Ghatak, S. Ghosh, S. Mandal, N. Sarkar, Ionic-liquid-induced changes in the properties of aqueous zwitterionic surfactant solution: Solvent and rotational relaxation stiduies, Journal of Physical Chemistry B 116(12) (2012) 3690–3698.
42. Rao V.G., C. Ghatak, S. Ghosh, S. Mandal, N. Sarkar, The chameleon-like nature of zwitterionic micelles; The effect of ionic liqiud addition on the properties of aqueous sulfobetaine micelles, ChemPhysChem 13(7) (2012) 1893–1901.
43. Wiechorek D., D. Kwasniewska, Właściwości powierzchniowe wybranych surfaktantów betainowych, 2012.
44. Gao J., M. He, Z.Y. Lee, W. Cao, W.-W. Xiong, R. Ganguli, T. Wu, Q. Zhang, A surfactant-thermal method to prepare four new three-dimensional heterometal-organic frameworks, Dalton Transactions 42(32) (2013) 11367–11370.
45. Gaynanova G. A., A. R. Valiakhmetova, D. A. Kuryashov, Y. R. Kurhashova, S. S. Lukashenko, V. V. Syakaev, S. K. Latypov, S. V. Bukharov, N. Y. Bashkirtseva, L. Y. Zakharova, The self-organization and functional activity of binary system based on erucyl amidopropyl betaine-alkylated polyethyleneimine, Chemical Physics Letters 588 (2013) 145–149.
46. Sala D., A. Mizerski, Wetting histeresis test of solids by different types of surfactants, Zeszyty Naukowe SGSP 48(4) (2013) 7–21.
47. Abdelgadir M., M. Salama, Enhancement of solubilization of ibuprofen using sucrose laurate, International Journal of Pharmacy and Pharmaceutical Sciences 6(1) (2014) 604–606.
48. Al-Sadat W., M.S. Nasser, F. Chang, H.A. Nasr-El-Din, I.A. Hussein, Laboratory evaluation of the effects of additives and pH on the thermorheological behavior of a viscoelastic zwitterionic surfactant used in acid stimulation, Journal of Petroleum Science and Engineering 122 (2014) 458–467.
49. Aranda-Bravo C.G., J.G. Mendez-Bermudez, H. Dominquez, Desorption of decane molecules from a grafite surface produced by sodium alpha olefin sulfate/betaine mixtures: a computer simulation study, Journal of Molecular Liquids 200 B (2014) 465–473.
50. Chen T., G. Zhang, P. Jiang, J. Ge, Dilational rheology at air/water interface and molecular dynamics simulation research of hydroxyl sulfobetaine surfactant, J. Dispersion Science and Technology 35(3) (2014) 448–455.
51. Kumar K., A study of influence of additives on physicochemical properties of conventional surfactants, PhD Thesis, Guru Nanak Dek University, India, 2014.
52. Lesov I., S. Tcholakova, N. Denkov, Factors controlling the formation and stability of foams used as precursors of porous materials, J. Colloid Interface Sci. 426 (2014) 9–21.
53. Li Y., W. Ly, X. Cao, X. Song, Q. Wang, Y. Li, Stydy of synergistic effect of sodium dodecyl sulfate and betaine at the air/water and oil/water interfaces, Acta Chimica Sinica 72(5) (2014) 615–623.

54. Mixed micellar properties of dodecyldimethyl(3-sulfopropyl)ammonium hydroxide with other surfactants, Journal of the Korean Oil Chemical Society 31(4) (2014) 602611.
55. Nandni D., Effect of different additives on the aggregation behavior of surfactant triblock polymers, PhD Thesis, Guru Nanak Dek University, India, 2014.
56. Onaizi S.A., M.S. Nasser, F. Twaiq, Adsorption and thermodynamics of biosurfactant, surfactin, monolayers at the air-buffered liquid interface, Colloid and Polymer Science 292(7) (2014) 1649−1656.
57. Sett S., R.P. Sahu, S. Sinha-Ray, A.L. Yarin, Superspreaders versus “cousin” non-superspreaders: disjoining pressure in gravitational film drainage, Langmuir 30(10) (2014) 2619–2631.
58. Xu J., Z. Xu, C.-D. Qiao, T.-D. Li, Effect of anionic surfactants on grafting density of gelatin modified with PDMS-E, Colloids Surfaces B 114 (2014) 310–315.
59. Zhao Z., G. Lu, Y. Zhang, S. Lian, N. Tian, Performance of EDAB-HCl acid blended system as fracturing fluids in oil fields, Chinese Journal of Chemical Engineering 22(2) (2014) 202–207.
60. Bagheri A., A. Adolhasani, Binary mixtures of cationic surfactants with triton X-100 and the studies of physicochemical parameters of the mixed micelles, Korean Journal of Chemical Engineering 32(2) (2015) 308–315.
61. Gu X.-F., J. Huo, R.-T. Wang, D.-C. Wu, Y.-L. Yan, Synergism in mixed zwiterionic surface activity ionic liquid and anionic surfactant solution: analysis of interfacial and micellar behavior, J. Dispersion Science and Technology 36(3) (2015) 334–342.
62. Guo S., H. Wang, J. Shi, B. Pan, Y. Cheng, Synthesis and properties of a novel alkyl-hydroxyl-sulfobetain zwitterionic surfactant for enchanced oil recovery, Journal of Petroleum Exploration and Production Technology 5(3) (2015) 321–326.
63. Kramer C., T.L. Kowald, R.H.F. Trettin, Pozzolanic hardened three-phase-foams, Cements and Concrete Composites 62 (2015) 44–51.
64. Rozanska S., Rheology of wormlike micelles in mixed solutiuons of cocoamidopropyl betaine and sodium dodecylbenzenesulfonate, Colloids and Surfaces A 482 (2015) 394–402.
65. Schmid A.J., R. Schroeder, T. Eckert, A. Radulescu, A. Pich, W. Richtering, Synthesis and solution behavior of stimuli-senzitive zwitterionic microgel, Colloid and Polymer Science 293 (2015) 3305–3318.
66. Staszak K., D. Wieczorek, K. Michocka, Effect of sodium chloride on surface and wetting properties of aqueous solutions of cocoamidopropyl betaine, J. Surfactants and Detergents 18(2) (2015) 321–328.
67. Thakkar K., B. Bharatiya, D.O. Shah, P. Bahadur, Investigations on zwitterionic alkylsofobetaines and nonionic Triton-X100 mixed aqueous solutions: effect on size, phase separation and mixed micellar characteristics, Journal of Molecular Liquids 209 (2015) 569–577.
68. Zhao J., C. Dai, Q. Ding, M. Du, H. Feng, Z. Wei, A. Chen, M. Zhao, The structure effect on the surface and interfacial properties of zwitterionic sulfobetaine surfactants for enhanced oil recovery, RSC Advances 5(18) (2015) 13993–14001.
69. Cao J.-H., Z.-H. Zhou, Z.-C. Xu, Q. Zhang, S.-H. Li, H.-B. Cui, L. Zhang, L. Zhang, Synergism/antagonism between crude oil frantions and novel betaine solutions in reducing interfacial tension, Energy and Fuels 30(2) (2016) 924–932.
70. Duran-Alvarez A., M. Maldonado-Domiquez, O. Gonzales-Antonio, C. Duran-Valencia, M. Romero-Avila, E. Barragan-Arroche, S. Lopez-Ramirez, Experimental-theoretical approach to the adsorption mechanism for anionic, cationic, and zwitterionic surfactants at the calcite-water interface, Langmuir 32(11) (2016) 2608–2616.
71. Feng Y., Z. Chu, Correlating surface activity with structural and environmental parameters for alkylamidosulfobetaine surfactants, Colloid and Polymer Science 294 (2016) 957–963.
72. Kotsiopoulou N.G., T.I. Liakos, N.K. Lazaridis, Melanoidin chromophores and betaine osmoprotectant separation from aqueous solutions, Journal of Molecular Liquids 216 (2016) 496–502.
73. Li P., K. Ma, R.K. Thomas, J. Penfold, Analysis of the asymmetric synergy in the adsorption of zwitterionic-ionic surfactant mixtures at the air-water interface below and above the critical micelle concentration, Journal of Physical Chemistry B 120(15) (2016) 3677–3691.
74. Qaraman A.F., The efficiency of mixed surfactants as air entraining agents in cement pastes, European Journal of Material Sciences 3(3) (2016) 12–22.
75. Qu G., C. Xue, M. Zhang, S. Liang, Y. Han, W. Ding, Molecular dynamics simulation of sulfobetaine-type zwitterionic surfactants at the decane/water Interface: Structure, interfacial properties. Journal of Dispersion Science and Technology 37(12) (2016) 1710–1717.
76. Yang G., J. Zhao, From reverse worms to reverse vesicles fromed by mixed zwitterionic and non-ionic surfactants in cyclohexane, RSC Advences 6(19) (2016) 15694–15700.
77. Alzobaidi S., C. Da, V. Tran, M. Prodanovich, K.P. Johnston, High temperature ultralow water content carbon dioxide-in-water foam stabilized with viscoelastic zwitterionic surfactants, Journal of Colloid and Interface Science 488 (2017) 79–91.

78. Fan Y., H. Tang, Y. Wang, Synergistic behavior and microstructure transition in mixture of zwitterionic surfactant, anionic surfactant, and salts in sorbitol/H2O solvent: 1. Effect of surfactant compositions, Journal of Surfactant and Detergents (2017) doi: 10.1007/s11743-017-1929-9.
79. Ergin G., M. Lbadauoi-Darvas, S. Takahama, Molecular structure inhibiting synergism in charged surfactant mixtures: An atomistic molecular dynamics study, Langmuir 33(49) (2017) 14093–14104.
80. Kramer C., M. Schauerte, T. Muller, S. Gebhard, R. Trettin, Application of reinforced three-phase-foam in UHPC foam concrete, Construction and Bilding Materials 131 (2017) 746–757.
81. Maneedaeng A., A.E. Flood, Synergisms in binary mixtures of anionic and pH-insensitive zwitterionic surfactants and their precipitation behavior with calcium ions, Journal of Surfactants and Detergents 20(1) (2017) 263–275.
82. Niemszak M., L. Chrzanowski, T. Praszyk, J. Pernak, Biodegradable herbicid ionic liquids based on synthetic auxins and analogues of betaine, New Journal of Chemistry 41(16) (2017) 8066–8077.
83. Shin J.-A., S.-J. Oh, H.-Y. Lee, Y.-G. Lim, An efficient Cu-catalyzed azide-alkyne cycloaddition (CuAAC) reaction in aqueous medium with a zwitterionic ligand, betaine, Catalysis Science and Technology 8(12) (2017) 2450–2456.
84. Tang X., W. Zou, P.H. Koenig, S.D. McConaughy, M.R. Weaver, D.M. Eike, M.J. Schmidt, R.G. Larson, Multiscale modeling of the effects of salt and parfume raw materials on the rheological properties of commercial threadlike micellar solutions, Jounal of Physical Chemistry B 121(11) (2017) 2468–2485.
85. Vafakish B., Synergistic Effect of Cationic Surfactants on the Rheological Behavior of Erucyl Amidosulfobetaine, Tenside, Surfactants, Detergents 54(3) (2017) 220–223.
86. Alves L., B. Lindman, B. Klotz, A. Botcher, H.-M. Haake, F.E. Antunes, On the rheology of mixed systems of hydrophobically modified polyacrylate microgels and surfactants: Role of the surfactant architecture, Journal of Colloid and Interface Science 513 (2018) 489–496.
87. Da C., S. Alzobaidi, G. Jian, L. Zhang, S.L. Biswal, G.J. Hirasaki, K.P. Johnston, Carbon dioxide/water foams stabilized with zwitterionic surfactant at temperature up to 150 ºC in high salinity brine, Journal of Petroleum Science and Engineerign 166 (2018) 880–890.
88. Hua X., M.A. Bevan, J. Frechette, Competetive adsorption between nanoparticles and surface active ions for the oil water interface, Langmuir 34(16) (2018) 4830–4842.
89. Matsuoka K., H. Miura, S. Karima, C. Taketaka, S. Uono, Y. Moroi, Removal of alkali metal from aqueous solution by foam separation method, Journal of Molecular Liquids 263 (2018) 89–95.
90. Guo X., S. Geng, M. Zhuo, Y. Chen, M.J. Zavorotko, P. Chen, Z. Zhang, The utility of the temperature effect in metal-organic frameworks, Coordination Chemistry Reviews 391 (2019) 44–68.
91. Qu C., J. Wang, H. Yin, G. Lu, Z. Li, Y. Feng, Condensate oil-tolerant foams stabilized by am anionic-sulfobetaine surfactant mixture, ACS Omega 4(1) (2019) 1738–1747.
92. Keshavarzi B., A. Javadi, A. Bahramian, R. Miller, Formation and stability of colloidal gas aphron bassed drilling fluid considering dynamic surface properties, Journal of Petroleum Science and Engineering 174 (2019) 468–475.
93. Liu Q., A. Yang, S. Peng, R. Zhang, J. Li, G. Chen, Synthesis of new surfactants from lauramidopropyl betaine and surface activity evaluation, Materials Science Forum 953 (2019) 153–159.
94. Mohamad-Aziz S.N., P. Mishra, A.W. Zularisam, A.M.M. Sakinah, Isooctane-based anionic and zwitterionic surfactant: Synergistic interaction of mixed reverse micelle and solubilisation of erythromycin, Journal of Molecular Liquids 286 (2019) Art. No. 110882.
95. Chican I.E., D. Varasteanu, I. Fierascu, R.C. Fierascu, M. Deaconu, Surface properties in surfactant systems containing amino-acid based surfactants, IOP Conference Series: Material Science and Engineering 572 (2019) Art. No. 012009.
96. Erfani A., N.H. Flynn, J.D. Ramsey, C.P. Aichele, Increasing protein stability by association with zwitterionic amphiphile cocamidopropyl betaine, Journal of Molecular Liquids 295 (2019) Art. No. 111631.
97. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
98. Zhou J., P.G. Ranjith, W.A.W. Wanniarachchi, different strategies of foam stabilization in the use of foam as a fracturing fluid, Advances in Colloid and Interface Science 276 (2020) Art. No. 102104.
99. Zhou J., M. Scrivastava, R. Hahn, V. Dwarakanath, Evaluation of an amphoteric surfactant for CO_2 foam applications: A comparative study, Preceedings – SPE Symposium on Improved Oil Recovery (2020) Art. No. 162753.
100. Mushi S.J., W. Kang, H. Yang, P. Wang, X. Hou, Viscoelasticity and microstructural properties of zwitterionic surfactant induced by hydroxybenzoate salt for fracturing, Journal of Molecular Liquids 301 (2020) Art. No. 112485.

101. Keshavarzi B., M. Mahmoudvand, A. Javadi, A. Bahramian, R. Miller, K. Eckert, Salt effect on formation and stability of colloidal gas aphrons produced by anionic and zwitterionic surfactants in xanthan gum solution, Colloids and Interfaces 4 (2020) 9.
102. Sun H.-Q., Z.-Y. Guo, X.-L. Cao, Y.-W. Zhu, B.-L. Pan, M. Liu, L. Zhang, L. Zhang, Interfacial interactions between oleic acid and betaine molecules at decane-water interface: A study of dilational rheology, Journal of Molecular Liquids 316 (2020) Art. No. 113784.
103. Salazar-Arriaga A.B., H. Domiguez, Decane structure on a graphite surface with sodium dodecyl sulfate and betaine surfactant mixtures: A molecular dynamics study, Chemical Physics 539 (2020) Art. No. 110945.
104. Erfani A., S. Khosharay, N.H. Flynn, J.D. Ramsey, C.P. Aichele, Effect of zwitterionic betaine surfactant on interfacial behavior of bovine serum albumin (BSA), Journal of Molecular Liquids 318 (2020) Art. No. 114067.
105. Creatto E.J., B.C. Alvarenga, P.G. de Moura, A. Perez-Gramadgez, Viscosity-driven stabilization of CO_2-in-brine foams using mixtures of cocamidopropyl hydroxysultaine and sodium dodecyl sulfate, Journal of Molecular Liquids 329 (2021) Art. No. 115614.
106. Moldes A.B., L. Rodriguez-Lopez, M. Rincon-Fontan, A. Lopez-Prieto, X. Vecino, J.M. Cruz, Synthetic and bio-derived surfactants versus microbial biosurfactants in the cosmetic industry: An overview, International Journal of Molecular Sciences 22 (2021) Art. No. 2371.
107. Li M., W. Kang, Z. Li, H. Yang, X. Kang, R. Jia, A. Xie, B. Sarsenbekula, M. Gabdullin, Fluid phase transition mechnism of a ternary component aqueous solution based on dynamic covalent bond, Journal of Molecular Liquids 332 (2021) Art. No. 115849.
108. Liu Q., Y. Bai, S. Dong, J. Li, Z. Song, S. Chen, J. Zhang, G. Chen, Preparation and the foaming activity study of hydroxymethyl cetyltrimethyl ammonium chloride, Tenside, Surfactants, Detergents 58 (2021) 153–160.
109. Goral I., A. Stochmal, K. Wojciechowski, Surface activity of the oat, horse chestnut, cowherb, soybean, quinoa and soapwort extracts – Is it only due to saponins? Colloid and Interface Science 42 (2021) Art. No. 100400.
110. Birant S., Y. Duran, M. Gokalp, T. Akkoc, F. Seymen, Effects of different detergent-containing children's toothpastes on the viability, osteogenic and chondrogenic differentiation of human dental periodontal ligament stem cells and gingival stem cells in vitro, Tissue and Cell 72 (2021) Art. No. 101538.

110 J.K. Angarska, B.S. Dimitrova, K.D. Danov, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, Detection of the hydrophobic surface force in foam films by measurements of the critical thickness of the film rupture, Langmuir 20 (2004) 1799–1806. (**Citations: 64**)

1. Postema M., P. Marmottant, C.T. Lancee, S. Hilqenfeldt, N.D. Jong, Ultrasound−induced microbubble coalescence, Ultrasound Medicine Biology 30 (10) (2004) 1337−1344.
2. Rimmer H.W., E101538stablishment of the Center for Advanced Separation Technologies, Ann. Pechnical Progress Report, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, 2004.
3. Wang L., R.–H. Yoon, Hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: effect of electrolyte, Langmuir 20(26) (2004) 11457−11464.
4. Geyl L., Drop through liquid flm, Thesis, Royal Institute of Technology, Department of Signals, Sensors and Systems, Stockholm, 2005.
5. Hull C.E., Crosscutting technology development at the center for advenced separation technologies, Technical Report DE-FC26-02NT41607, Ceneter for Advenced Separaton Technologies, Virginia Polytechnic Institute, 2005.
6. Tcholakova S., N.D. Denkov, D. Sidzhakova, I.B. Ivanov, B. Campbell, Effects of electrolyte concentration and pH on the coalescence skontogtability of β–lactoglobulin emulsions: experiment and interpretation, Langmuir 21(11) (2005) 4842−4855.
7. Wang L.G., R.–H. Yoon, Hydrophobic forces in thin aqueous films and their role in film thinning, Colloids Surfaces A 263(1−3) (2005) 267−274.
8. Wang L.G., R.–H. Yoon, Hydrophobic interactions between the air bubbles in water, in: C.A. Young, J.J. Kellar, M.L. Free, J. Drelich, P. King (Eds.), Innovations in Natural Resource Processing: Proceedings of the Jan D. Miller Symposium, Publisher: Society of Mining Metallurgy and Exploration, Littleton Co, USA, 2005, pp. 125−138.
9. Wang L.G., R.–H. Yoon, Stability of foams and froths in the presence of ionic and non–ionic surfactants, Australasian Institute of Mining and Metallurgy Publication Series (2005) 635−641.
10. Zhang J., R.–H. Yoon, M. Mao, W.A. Ducker, Effects of degassing and ionic strength on AFM force measurements in octadecyltrimethylammonium chloride solutions, Langmuir 21(13) (2005) 5831−5841.

11. Grassia P., S.J. Neethling, C. Cervantes, H.T. Lee, The growth, drainage and bursting of foams, Colloids Surfaces A 274(1−3) (2006) 110−124.
12. Wang L., R.–H. Yoon, Role of hydrophobic force in the thinning of foam films containing a nonionic surfactant, Colloids Surfaces A 282–283 (2006) 84–91.
13. Wang L., R.–H. Yoon, Stability of foams in the presence of ionic and non-ionic surfactants, IMPC 2006, Proceedings, 2006, 453−458.
14. Wang L., Surface Forces in Foam Films, PhD Thesis, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, 2006.
15. Wang L.G., R.–H. Yoon, Stability of foams and froths in the presence of ionic and non−ionic surfactants, Minerals Engineering 19(6–8) (2006) 539–547.
16. Zhao H., F.–S. Lu, P.–Q. Li, Effect of different factors on phase behavior in cyhalothrin microemulsion, Acta Phys. Chim. Sin. 22(4) (2006) 475–480.
17. Eriksson J.C., U. Henriksson, Bridging–cluster model for hydrophobic attraction, Langmuir 23(20) (2007) 10026−10033.
18. Froth Flotation: a century of innovation, Fuerstenau M.C., Jameson C., Yoon R.–H., Eds., 2007, p. 170.
19. Karakashev S.I., A.V. Nguyen, E.D. Manev, A novel technique for improving interferometric determination of emulsion film thickness by digital filtration, J. Colloid Interface Science 306(2) (2007) 449–453.
20. Karakashev S.I., V.A. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1−3) (2007) 229−240.
21. Stubenrauch C., D. Langevin, D. Exerowa, E. Manev, P.M. Claesson, L.B. Boinovich, R.V. Klitzing, Comment on "hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: Effect of electrolyte" and subsequent criticism, Langmuir 23(24) (2007) 12457−12460.
22. Wang L., R.–H. Yoon, Effects of surface forces and film elasticity on foam stability, International Journal of Mineral Processing 85 (4) (2008) 101−110.
23. Weon B.M., J.H. Je, Y. Hwu, G. Margaritondo, Stable freestanding thin films of pure water, Appl. Phys. Letters 92 (2008) Pap. No. 104101.
24. Yoon R.–H., L. Wang, A response to the comment on "hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: Effect of electrolyte", Langmuir 24(9) (2008) 5194–5196.
25. Henry C., Bubbles, Thin Films and Ion Specificity, PhD Thesis, The Australian National University, 2009.
26. Karakashev S.I., V.A. Nguyen, Do liquid films rupture due to the so–called hydrophobic force or migration of dissolved gases? Langmuir 25(6) (2009) 3363–3368.
27. Pan L., Hydrophobic forces in wetting films, Thesis, Virginia polytechnic Institute and State University, 2009.
28. Qu X., L. Wang, S.I. Karakashev, A.V. Nguyen, Anomalous thickness variation of the foam films stabilized by weak non–ionic surfactants, Journal of Colloid and Interface Science 337(2) (2009) 538–547.
29. Qu X., L. Wang, A. Nguyen, Surface forces in thin foam films stabilized by nonionic surfactants, Chemeca 2010, Engineerinh at the Edge, 26-29 September 2010, Hiton Adelaide, South Australia, 2010, 1561−1572.
30. Wang L., R.–H. Yoon, Effect of pH and NaCl concentration on the stability of surfactant–free foam films, Langmuir 25(1) (2009) 294–297.
31. Wang L., R.–H. Yoon, Effect of pH and NaCl concentration on the stability of surfactant–free foam films, SME Annual Meeting and Exhibit and CMA's 111th National Western Mining Conference 2009 2 (2009) 810−814.
32. Nguyen P.T., A.V. Nguyen, Drainage, rupture, and lifetime of deionized water films: Effect of dissolved gases? Langmuir 26(5) (2010) 3356–3363.
33. Del Castillo L.A., S. Ohnishi, R.G. Horn, Inhibition of bubble coalescence: Effects of salt concentration and speed of approach, J. Colloid Interface Sci. 356(1) (2011) 316–324.
34. Mishchuk N.A., The model of hydrophobic attraction in the framework of classical DLVO forces, Advances in Colloid and Interface Science 168(1–2) (2011) 149–166.
35. Yoon R.-H., L. Wang, Hydrophobic forces in foam films, in: tadros T.F. (ed) Colloid Stability: The Role of Surface Forces, Wiley, 2011, Ch. 7.
36. Do H., Predicting the critical rupture thickness of free foam films, 대한기계학회 2012년도 추계학술대회 논문집, 11 (2012) 1520–1525.
37. Ochanda F.O., M.A. Samaha, H.V. Tafreshi, G.C. Tepper, M. Gad-El-Hak, Salinity effect on the degree of hydrophobicity and longebity for superhydrophobic fibrous coatings, J. Applied Polymer Science 124(6) (2012) 5021–5026.

38. Wang L., Drainage and rupture of thin goam films in the presence of ionic amd non-ionic surfactants, Int. Journal of Mineral Processing 102–103 (2012) 58–68.
39. Wang L., Inter-bubble attractions in aqueous solutions of flotation frothers, Separation Thechnologies for Minerals, Coal, and Earth Resources, International Symposium (2012) 35–45.
40. Wang L., X. Qu, Impact of interface approach velocity on bubble coalescence, Mineral Engineering 26(1) (2012) 50–56.
41. Bournival G., Z. Du, S. Ata, G.J. Jameson, Foaming and gas dispersion properties of non-ionic surfactants in the presence of an inorganic electrolyte, Chemical Engineering Science 116 (2014) 536–546.
42. Firuozi M., Drainage and stability of foam films during bubble coalescence in aqueous salt solutions, PhD Thesis, School of Chemical Engineering, University of Queensland, AU, 2014.
43. Park C., A systematic analysis of foam drainage and stability: Measurements, mechanisms, and implications for anaerobic digester foaming, PhD Thesis, Graduate Division, University of Berkeley, 2014.
44. Rio E., A.-L. Biance, Thermodynamic and mechanical timescales involved in foam film rupture and liquid foam coalescence, ChemPhysChem 15(17) (2014) 3692–3707.
45. Shahalami S., Study of non-equilibrium interactions between an air bubble and a hydrophilic/hydrophobic solid surface with the non-linearized Stokes-Reynolds-Young-Laplace model (NSRYL model), PhD Thesis, Department of Chemical and Material Engineering, University of Alberta, 2014.
46. Wang L., Modeling of bubble coalescence in saline water in the presence of flotation frothers, International Journal of Mineral Processing 134 (2015) 41–49.
47. Rane K., N.F.A. Van der Vegt, Understanding the influence of capillary waves on solvatation at the liquid-vapor interface, Journal of Chemical Physics 114(11) (2016) Art. No. 114111.
48. Rane K., N.F.A. Van der Vegt, Using grand canonical Monte Carlo simulations to understand the role of interfacial fluctuations on solvatation at the water-vapour interface, Jourmal of Physical Chemistry B 120(36) (2016) 9697–9707.
49. Wang L., Prediction of the critical rupture thickness of foam films formed from saline water in the presence of flotation frothers, IMPC 2016, Art. No. 135047.
50. Azadzadeh Shahir A., D. Arabadzieva, H. Petkova, S.I. Karakashev, A.V. Nguyen, E. Mileva, Effect of under-monolayer adsorption on foamability, rheological characteristics, and dynamic behavior of fluid interfaces: Experimental evidence for the Guggenheim extended interface model, Journal of Physical Chemistry C 121(21) (2017) 11472–11487.
51. Bournival G. S. Ata, G.J. Jameson, Bubble and froth stabilizing agents in froth flotation, Mineral Processing and Extractive Metallurgy Review 38(6) (2017) 366–387.
52. Firouzi M., A.V. Nguyen, The Gibbs-Marangoni stress and nonDLVO forces are equally important for modeling bubble coalescence in salt solution, Colloids Surfaces A 515 (2017) 62–68.
53. Langley K.R., E.Q. Li, S.T. Toroddsen, High-speed interferometry under impacting drops, in: The Micro-World Observed by Ultra High-Speed Cameras, Springer, 2018, 321–341.
54. Park S., K. Huang, R.-H. Yoon, Predicting bubble coarsening in flotational froth: Effect of contact angle and particle size, Mineral Engineering 127 (2018) 256–264.
55. Rane K., Fluctuations and adsorption at liquid-vapor interfaces, Physical Chemistry of Gas-Liquid Interfaces (2018) 59–78.
56. Langley K.R., Air entrapment under a liquid drop impacting onto a solid or liquid surface, PhD Thesis, KAUST, Kingdom of Saudi Arabia, 2019.
57. Rivera J.L., J.F. Douglas, Influence of film thickness on the stability of free-standing Lenard-Jones fluid films, Journal of Chemical Physics 150(14) (2019) Art. No. 144705.
58. Manoj T.P., T.P. Rasitha, S.C. Vanithakumari, B. Anandkumar, R.P. George, J. Philip, A simple, rapid and single step method for fabricating superhydrophobic titanium surfaces with improved water bouncing and self cleaning properties, Applied Surface Science 512 (2020) Art. No. 145636.
59. Chatzigiannakis E., J. Vermant, Breakup of thin liquid films: From stochastic to deterministic, Physical Review Letters 125 (2020) Art. No. 158001.
60. Chatzigiannakis E., P. Veenstra, D. Ten Bosch, J. Vermant, Mimicking coalescence using a pressure-controled dynamic thin film balance, Soft Matter 16 (2020) 9410–9422.
61. Bournival G., F. Zhang, S. Ata, Coal flotation in saline water: Effects of electrolytes on interfaces and industrial practice, Mineral Processing and Extractive Metallurgy Review 42 (2021) 53–73.
62. Zhou Y., Z. Han, C. He, Q. Feng, K. Wang, Y. Wang, N. Luo, G. Dodbiba, Y. Wei, A. Otsuki, T. Fujita, long-term stability of different kinds of gas nanobubbles in deionized and salt water, Matreials 14 (2021) Art. No. 1808.
63. Chatzigiannakis E., N. Jaensson, J. Vermant, Thin liquid films: Where hydrodynamics, capillarity, surface stresses and intermolecular forces meet, Current Opinion in Colloid and Interface Science 53 (2021) Art. No. 101441.

64. Vanithakumari S.C., A. K. Choubey, C. Trinaharan, R.K. Gupta, R.P. George, R. Kaul, K.S. Bindra, J. Philip, Laser patterned titanium surfaces with superior antibiofouling, superhydrophobicity, self-cleaning and durability: Role of line spacing, Surface and Coating Technology 418 (2021) Art. No. 127257.

109 K.D. Tachev, K.D. Danov, P.A. Kralchevsky, On the mechanism of stomatocyte–echinocyte transformations of red blood cells: experiment and theoretical model, Colloids Surfaces B 34 (2004) 123–140**.** (**Citations: 48**)

1. Gonzales L.J., The influence of membrane lipid order on cell shape and microvesiculation in human erythrocytes, PhD Thesis, Brigham University, 2006.
2. Pawlowski P.H., B. Burzynska, P. Zielenkiewicz, Theoretical model of reticulocyte to erythrocyte shape transformation, J. Theoretical Biology 243(1) (2006) 24–38.
3. Goršek J., Osmotic volume changes in human erythrocyte due to effects of Hg^{2+}, Pb^{2+} and Cd^{2+} on membrane channels, PhD Thesis, Biothechnical Faculty, University of Ljubljana, Slovenia, 2007.
4. Zhongliang G., Y. Zhong, T. Jianping, Research on the influence of hemotocrit on the stability of blood lubrication, Lubrication Engineering 32(2) (2007) 23–25.
5. Camilla K., Aplicação de técnicas ópticas em amostras biológicas, PhD Thesis, UFMG, 2008.
6. Fisher T.H., C.R. Valeri, C.J. Smith, C.M. Scull, E.P. Merricks, T.C. Nichols, M. Demcheva, J.N. Vournakis, Non–classical processes in surface hemostasis: Mechanisms for the poly–N–acetyl glucosamine–induced alteration of red blood cell morphology and surface prothrombogenicity, Biomedical Materials 3 (1) (2008) art. no. 015009.
7. Kabanov D.S., A.Yu. Ivanov, M. Melzer, I.R. Prokhorenko, Effects of surface proteins of human erythrocyte membrane on the interaction with lipopolysaccharides from Escherichia coli O55:B5, Biochemistry, Supplemental Series A 2(2) (2008) 128–132.
8. Maya G.C., Utilidad clinica del extendido de sangre periferica: los eritrocitos, Medicina & Laboratorio 14(7-8) (2008) 311–357.
9. Sebastian J.L., S. Munoz, M. Sancho, G. Alvarez, Polarizability of shelled particles of arbitrary shape in lossy media with an application to hematic cells, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 78(5) (2008) art. no. 051905.
10. Smith C.J., J.B. Vournakis, M. Demcheva, T.H. Fisher, Differential effect of materials for surface hemostasis of red blood cell morphology, Microscopy Research and Technique 71 (2008) 721–729.
11. Cechovska-Pasko M., Endoplasmic reticulum chaperons, Postepy Bichemii 55(4) (2009) 416–424.
12. He J., J. Lin, J. Li, J.–H. Zhang, X.–M. Sun, C.–M. Zeng, Dual effects of Ginkgo biloba leaf extract on human red blood cells, Basic and Clinical Pharmacology and Toxicology 104(2) (2009) 138–144.
13. Huang B., J. He, J. Ren, X.–Y. Yan, C.–M. Zeng, Cellular membrane disruption by amyloid fibrils involved intermolecular disulfide cross–linking, Biochemistry 48(25) (2009) 5794–5800.
14. Rudenko S.V., Characterization of morphological response of red cells in a sucrose solution, Blood Cells, Molecules, and Diseases 42(3) (2009) 252–261.
15. Rudenko S.V., Low concentration of extracellular hemoglobin affects shape of RBC in low ion strength sucrose solution, Bioelectrochemistry 75(1) (2009) 19–25.
16. Stasiuk M., G. Kijanka, A. Kozubek, Transformation of erythrocytes shape and its regulation, Postepi Biohemii 55(4) (2009) 426–433.
17. Yijing X., W. Jiugen, Review of blood rheology and integrated surface texture of artificial liver, 2009, paper.edu.cn.
18. Munos S., J.L. Sebastian, M. Sancho, G. Martinez, Analysis of radiofrequency energy stored in the altered shapes: Stomatocyte–echinocyte of human erythrocytes, Bioelectrochemistry 77(2) (2010) 158–161.
19. Rudenko S.V., Erythrocyte morphological states, phases, transitions and trajectories, Biochimica et Biophysica Acta – Biomembrames 1798(9) (2010) 1767–1778.
20. Rudenko S.V., M.K. Saeid, Reconstruction of erythrocyte shape during modified morphological response, Biochemistry–Moscow 75(8) (2010) 1025–1031.
21. Xie Y., J. Wang, Review of blood rheology and integrated surface texture of artificial liver, Highlights of Science Paper 3(4) (2010) 320–325.
22. Suwalski M., M. Manrique-Moreno, J. Howe, K. Brandenburg, F. Vilena, Molecular interactions of mefenamic acid with lipid bilayers and red blood cells, Journal of Brazilian Chemical Society 22(12) (2011) 2243–2249.
23. Калянов А.Л., Полнополная сканирующая нискокогерентная микроинтерферометрия, Дисертация, Саратовский Гос. Техн. Университет, 2011.
24. Bonarska-Kujawa D., H. Kleszczynska, S. Przestalski, The location of organotins within erythrocyte membrane in relation to their toxicity, Ecotoxicology and Environmental Safety 78(1) (2012) 232–238.

25. Davidson R.M., S. Seneff, The initial common pathway of inflammation, disease, and sudden death, Entropy 14(8) (2012) 1399–1342.
26. Fan W., W. Yan, Z. Xu, H. Ni, Erythrocytes load of low weight chitosan nanoparticles as a potential vascular drug delivery system, Colloids Surfaces B 95 (2012) 258–265.
27. Rojas-Aguirre Y., F. Hernandez-Luis, C. Mendoza-Martines, C.P. Sotomayor, L.F. Aguilar, F. Villena, I. Castillo, D.J. Hernandez, M. Suwalsky, Effect of an antimalarial quinazoline derivative on human erythrocytes and on cell membrane molecular models, Biochimica et Biophysica Acta – Biomembranes 1818(3) (2012) 738–746.
28. Rudenko S.V., M.K. Saeed, Do two types of cells exist in population of human erythrocites? Дни науки 2012.
29. Wloch A., J. Oszmianski, J. Sarapuk, H. Kleszczynska, The effect of Hypericum perforatum extract on the properties of erythrocite membrane, J. Medical Plants Research 6(21) (2012) 3766–3773.
30. Hajjawi O.S., Ionic and osmotic equilibria of human red blood cells, American Journal of Scientific Research 86 (2013) 177–187.
31. Larkin T.J., G. Pages, B.E. Chapman, J.E.J. Rasko, P.W. Kuchel, NMR q-space analysis of canonical shapes of human erythrocytes: stomatocytes, discocytes, spherocytes, and echinocytes, Europian Biophysical Journal 42(1) (2013) 3–16.
32. Talafova K., E. Hrabarova, D. Chorvat, J. Nahalka, Bacterial inclusion bodies as potential synthetic devices forpathogen recognition and a therapeutic substance release, Microbial Cell Factories 12 (2013) 16.
33. Cines D.B., T. Lebedeva, C. Nagaswami, V. Hayes, W. Massefski, R.I. Litvinov, L. Rauova, T.J. Lowery, J.W. Weisel, Clot contraction: Compression of erythrocytes into tightly packed polyhedra and redistribution of platelets and fibrin, Blood 123(10) (2014) 1596–1603.
34. Pretorius E., J. Bester, N. Vermeulen, B. Lipinski, G.S. Gericke, D.B. Kell, Profound morphological changes in the erythrocytes and fibrin networks of patients with hemochromatosis or with hyperferritinemia, and their normalization by iron chelators and other agents, PLoS ONE 9(1) (2014) Art. No. e85271.
35. Andrews J., S. Das, Effect of finite ion sizes in electric double layer mediated interaction force between two soft charged plates, RSC Advances 5(50) (2015) 46873–46880.
36. Chen G., S. Das, Electrostatics of soft charged interfaces with pH-dependent charge density: Effect of consideration of appropriate hydrogen ion concentration distribution, RSC Advences 5(6) (2015) 4493–4501.
37. Fathi-Azarbayjani A., A. Joyban, Surface tension in human pathophysiology and its application as a mediacl diagnostic tool, BioImpacts 5(1) (2015) 29–44.
38. Jaferzadeh K., I. Moon, Quantitative investigation of red blood cell three-dimensional geometric and chemical change in the storage lesion using digital holographic microscopy, Journal of Biomedical Optics 20(11) (2015) Art. No. 111218.
39. McDaniel K., F. Valcius, J. Andrews, S. Das, Electrostatic potential distribution of a soft spherical particle with a charged core and pH-dependent charge density, Colloids Surfaces B 127 (2015) 143–147.
40. Jian Y., F. Li, Y. Liu, L. Chang, Q. Liu, L. Yang, Electrokinetic energy conversion efficiency of viscoelastic fluids in a polyelectrolyte-grafted nanochannel, Colloids and Surfaces B 156 (2017) 405–413.
41. Tsivadza A.Yu., M.Sh. Khubutiya, E.K. Evseev. I.V. Goronchanovskaya, A.I. Shapiro, O.V. Batishchev, M/M/ Goldin, Electrochemical activity and morphology of human erythrocytes at optically transparent ITO electrode, Doklady Physical Chemistry 477(1) (2017) 201–204.
42. Balanant M.A., Experimental studies of red blood cells during storage, PhD Thesis, School of Chemistry, Queensland University of Technology, 2018.
43. Sun J.-S., U.-H. Kim, Ion size effect on electrostatic and electroosmotic properties in soft nanochannels with pH-dependent charge density, Physical Chemistry Chemical Physics 20(35) (2018) 22961–22971.
44. Tutwiler V., A.R. Mukhitov, A.D. Peshkova, G. LeMinh, R.R. Khismatullin, J. Viksman, C. Nagaswami, R.I. Litvinov, J.W. Weisel, Shape changing of erythrocytes during blood clot contraction and the structure of polyhedrocytes, Scientific Reports 8(1) (2018) Art. No. 17907.
45. Li F., Y. Jian, Solute dispersion generated by alternating current electric field through polyelectrolyte-grafted nanochannel with interfacial slip, International Journal of Heat and Mass Transfer 141 (2019) 1066–1077.
46. Geekiyanage N.M., M.A. Balanant, E. Sauret, S. Saha, R. Flower, C.T. Lim, Y.T. Gu, A coarse-grained red blood cel membrane model to study stomatocyte-discocyte-echinocite morphologies, PLoS ONE 14(4) (2019) e0215447.
47. Goktas P., I.O. Sukharevsky, S.-J. Jang, S.-H. Yun, A. Altintas, Cell morphology-based classification in red blood cells by angle-resolved electromagnetic scattering approach, 2018 IEEE APSURSI 2018 (2019) Art. No. 8608366.

48. Manriquo-Moreno M., M. Suwalsky, E. Patino-Gonzalez, E. Fandino-Devia, M. Jemiola-Rzeminska, Interaction of the antimicrobial peptide ΔM3 with the Staphylococcus aureus membrane and molecular models, Biochimica et Biopysica Acta – Biomembranes 1863 (2021) Art. No. 183498.

108 P.S. Denkova, V.S. Dimitrov, S.M. Bakalova, J. Kaneti, K.D. Danov, Application of the model–free approach to low molecular weight systems with hindered internal rotation: cinnamoylmesitylene, Magn. Reson. Chem. 41 (2003) 989–995. (**Citations: 2**)

1. Zhang W., M.-Y. Li, J. Quyang, W.-H. Lin, Z.-W. Deng, Effect of chemical exchange on NMR signals for structure analysis of omeprazole, Journal of Beijing Normal University (Natural Science) 42(2) (2006) 166–170.
2. Ludwig R., Nuclear spin relaxation, Nuclear Magnetic Resonance, Vol. 34, 217–252.

107 K.D. Danov, D.S. Valkovska, P.A. Kralchevsky, Hydrodynamic instability and coalescence in trains of emulsion drops or gas bubbles moving through a narrow capillary, J. Colloid Interface Sci. 267 (2003) 243–258. (**Citations: 22**)

1. Yan L., Stability, Transport and Applications of Polyaphrons in Porous Media, PhD Thesis, Department of Chemical Engineering, Louisiana State University, Baton Rouge, 2005.
2. Fingas M., L. Ka'aihue, Oil spill dispersion stability and oil re–surfacing, Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (AMOP) Proceedings 2 (2006) 729–819.
3. Yan L., K.E. Thompson, K.T. Valsaraj, A numerical study on the coalescence of emulsion droplets in a constricted capillary tube, J. Colloid Interface Sci. 298(2) (2006) 832–844.
4. Kannan E.Y., Development of silsesquioxane-polyurethane nanocomposites for use in microvascular networks, PhD Thesis, University College London, 2007.
5. Li Y., W.Z. Jia, Y.Y. Song, X.H. Xia, Superhydrophobicity of 3D porous copper films prepared using the hydrogen bubble dynamic template, Chemistry of Materials 19(23) (2007) 5758–5764.
6. Oztaskin M.C., M. Worner, H.S. Soyhan, Numerical investigation of the stability of bubble train flow in a square minichannel, Physcis of Fluids 21(4) (2009) Art. No. 042108.
7. Allouch A., Microfluidique diphasique: reseaux de micro-bulles a defauts controles pour la photonique, PhD Thesis, , 2011.
8. Azevedo B.N., M.S. Carvalho, interaction of two drops flowing through a microcapillary, COBEM 2013, 7212–7219.
9. Guo X., X. Li, Y. Zheng, C. Lai, W. Li, B. Luo, D. Zhang, Effects of surfactants on high regularity of 3D porous nickel for Zn^{2+} adsorption application, Journal of Nanomaterials 2014 (2014) Art. No. 358312.
10. Saulnier L., J. Boos, C. Stubenrauch, E. Rio, Comparison between generations of foams and single vertical films-single mixed surfactant systems, Soft Matter 10(29) (2014) 5280–5288.
11. Talley M.L., Bubble coalescence control development for level set interface tracking method, PhD Theses, Nuclear Engineering, North Carolina State University, 2014.
12. Arjmandi-Tash O., N. Kovalchuk, A. Trybala, V. Starov, Foam drainage placed on a porous substrate, Soft Matter 11(18) (2015) 3643–3652.
13. Galluccio L., A. Lombardo, G. Morabito, S. Palazzo, C. Panarello, G. Schembra, On the trendoff between data rate and error probability in discrete microfluidic, ACM NANOCOM, 2015. Code117617.
14. Wang X., Numerical simulation of two-dimensional bubble dynamics and evaporation, PhD Thesis, Faculty of Engineering Science, KU Leuven, 2015.
15. Wang X., B. Klaasen, J. Degreve, A. Mahulkar, G. Heynderickx, M.-F. Reyniers, B. Blanpain, F. Verhaeghe, Volume-of-fluid simulations of bubble dynamics in a vertical Helle-Shaw cell, Physcis of Fluids 28(5) (2016) Art. No. 053304.
16. Galluccio L., A. Lombardo, G. Morabito, S. Palazzo, G. Schembra, Capacity of a binary droplet-based microfluidic channel with memory and anticipation for flow-induced molecular communication, IEEE Transactions on Communications 66(1) (2018) 194–208.
17. Kovalchuk N.M., E. Roumpea, E. Nowak, M. Chinaud, P. Angeli, M.J.H. Simmons, Effect of surfactants on emulsification in microchannels, Chemical Engineering Science 176 (2018) 139–152.
18. Fingas M., Surface chemistry and oil-in-water emulsion stability, Proceedings – 42 AMOP Technical Seminar on Environmental Contamination and Response, 2019, 940–1023.
19. Wang F., H. Li, D. Du, X. Dong, Investgigation of dynamic texture and flow characteristics foam transport in porous media based on fractal theory, Fractals 27 (2019) Art. No. 1940013.
20. Wang F., D. Du, H. Chen, C. Zhang, Simulation of evolution mechanism of dynamic interface of aqueous foam in narrow space base on level set method, Colloids Surfaces A 574 (2019) 1–11.
21. Zhang C., F. Wang, Z. Li, H. Chen, Dynamic simulation and experimental verification of foam transport in porous media based on level set method, Energy Science and Engineering 7(5) (2019) 1795–1807.

22. Wang C., Y. Mehmani, K. Xu, Capillary equilibrium of bubbles in porous media, PNAS 118 (2021) Art. No. e2024069118.

106 T.D. Gurkov, S.C. Russev, K.D. Danov, I.B. Ivanov, B. Campbell, Monolayers of globular proteins on the air/water interface: applicability of the Volmer equation of state, Langmuir 19 (2003) 7362–7369. (**Citations: 24**)

1. Freer E.M., K.S. Yim, G.G. Fuller, C.J. Radke, Interfacial rheology of globular and flexible proteins at the hexadecane/water interface: comparison of shear and dilatation deformation, J. Phys. Chem. B 108(12) (2004) 3835–3844.
2. Wierenga P.A., Basics of macroscopic properties of adsorbed protein layers formed at air–water interface based on molecular parameters, PhD Thesis, Wageningen University, The Holland, 2005.
3. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
4. Coloidal particles at liquid intyerfaces, PCCP 9 (2007) 6298–6299.
5. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30 oils, J. Dispersion Science Technology 28(3) (2007) 361–369.
6. Robazzi W.S., Emprego de modelos de campo médio para descrição termodinâmica de monocamadas de Langmuir, PhD Thesis, Instituto de Física de São Carlos (IFSC), 2007.
7. Tcholakova S., N. Denkov, A. Lips, Comparison of solid particles, globular proteins and surfactants as emulsifiers, Physical Chemistry Chemical Physics 10 (12) (2008) 1608–1627.
8. Blijdenstein T.B.J., P.W.N. DeGroot, S.D. Stoyanov, On the link between foam coarsening and surface rheology: Why hydrophobins are so different, Soft Matter 6(8) (2010) 1799–1808.
9. Jin Z., W. Feng, S. Zhu, H. Sheardown, J.L. Brash, Protein–resistant polyurethane by sequential grafting of poly(2–hydroxyethyl methacrylate) and poly(oligo(ethylene glycol) methacrylate) via surface–initiated ATRP, Journal of Biomedical Material Research A 95(4) (2010) 1223–1232.
10. Olsen E., R. Guntupalli, I. Sorkulova, R. Long, W. Neely, V. Vodyanoy, Phage Langmuir–Blodgett films for biosensing application, Proceedings of IEEE Sensors (2010) Art. No. 5690208, 401–406.
11. Angarska Z.K., A.A. Elenskyi, G.P. Yampolskaya, K.D. Tachev, Foam films from mixed solutions of bovine serum albumin and n-dodecyl-β-d-maltoside, Colloid and Surfaces 382(1–3) (2011) 102–112.
12. Erni P., E.J. Windhab, P. Fisher, Emulsion drops with complex interfaces: Globular versus flexible proteins, Macromolecular Materials and Engineering 296(3–4) (2011) 249–262.
13. Guntupalli R., I. Sorokulova, R. Long, E. Olsen, W. Neely, V. Vodyanoy, Phage Langmuir monolayers and Langmuir–Blodgett films, Colloid and Surfaces B 82(1) (2011) 182–189.
14. Petkova R., S. Tcholakova, N.D. Denkov, Foamig and foam stability for mixed polymer-surfactant solutions: Effects of surfactant type and polymer charge, Langmuir 28(11) (2012) 4996–5009.
15. Rudiuk S., L. Cohen-Tannoudji, S. Huille, C. Tribet, Importance of the dynamics of adsorption and of a transient interfacial stress on the formation of aggregates of IgG antibodies, Soft Matter 8(9) (2012) 2651–2661.
16. Anton N., P. Pierrat, L. Lebeau, T.F. Vandamme, P. Bouriat, A study of insoluble monolayers by deposition at a bubble interface, Soft Matter 9(42) (2013) 10081–10091.
17. Delahaije R.J.B.M., Wierenga P.A., van Nieuwenhuijzen, Giuseppin M.L.F., Gruppen H., Protein concentration and protein-exposed hydrophobicity as dominant parameters determining the flocculation of protein-stabilized oil-in-water emulsions, Langmuir 29(37) (2013) 11567–11574.
18. Delahaije R.J.B.M., H. Gruppen, M.L.F. Giuseppin, P.A. Wierenga, Toward predicting the stability of protein-stabilized enulsions, Advances Colloid Interface Science 219 (2015) 1–9.
19. Shieh I.C., A.R. Patel, Predictiong the agitation-induced aggregation of monoclonal antibodies using surface tensiometry, Molecular Pharmaceutics 12(9) (2015) 3184–3193.
20. Duffus L.J., J.E. Norton, P. Smith, I.T. Norton, F. Spyropoulos, A comperative study on the capacity of a range of food-grade particles to form stable O/W and W/O Pickering emulsions, Journal of Colloid and Interface Science 473 (2016) 9–21.
21. Kirbi S.M., X. Zhang, P.S. Russo, S. Anna, L.M. Walker, Formation of a rigid hydrophobin film and disruption by an anionic surfactant at an air/water interface, Langmuir 32(22) (2016) 5542–5551.
22. Marczak W., M. Rogalski, A. Moddaressi, E. Rogalska, A model of compression isotherms for analysing particle layers, Colloids and Surfaces A 489 (2016) 128–135.
23. Muth M., R.P. Schmidt, K. Schnitzlein, Ellipsometric study of molecular orientation of Thermomyces lanuginosus lipase at the air-water interface by simultaneous determination of refractive index and thickness, Collois Surfaces B 140 (2016) 60–66.
24. Sarkar A., H. Singh, Emulsikons and foams stabilized by milk proteins, Advanced Dairy Chemistry (2016) 133–153.

105 K.D. Danov, S.D. Kralchevska, P.A. Kralchevsky, G. Broze, A. Mehreteab, Effect of nonionic admixtures on the adsorption of ionic surfactants at fluid interfaces. 2. Sodium dodecylbenzene sulfonate and dodecylbenzene, Langmuir 19 (2003) 5019–5030. (**Citations: 11**)

1. Wenseleers W., I.I. Vlasov, E. Goovaerts, E.D. Obraztsova, A.S. Lobach, A.Bouwen, Efficient isolation and solubilization of pristine single–walled nanotubes in bile salt micelles, Adv. Funct. Mater. 14(11) (2004) 1105–1112.
2. Hristova E., Khr. Khristov, D. Exerowa, Foam film characterization of commercial surfactants and their mixtures, Tenside, Surfactants, Detergents 42(4) (2005) 217–225.
3. Ivanov I.B., K.P. Ananthapadmanabhan, A. Lips, Adsorption and structure of the adsorbed layer of ionic surfactants, Adv. Colloid Interface Sci. 123–126 (2006) 189–212.
4. Weiss E., Etude cinétique de la dégradation électrochimique de composés organiques sur l'anode de diamant dope au bore: Application à la dépollution d'effluents aqueux, PhD Thesis, Université Paul Sabatier–Toulouse III, 2006.
5. Weiss E., K. Groenen–Serrano, A. Savall, Electrochemical mineralization of sodium dodecylbenzenesulfonate at boron doped diamond anodes, J. Applied Electroshemistry 37(11) (2007) 1337–1344.
6. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.
7. Basarova P., H. Suchanova, K. Souskova, T. Vachova, Bubble adhesion at hydrophobic surfaces in solutions of pure and technical grade surfactants, Colloids Surfaces A 522 (2017) 485–493.
8. Mchedlov-Petrossyan N.O., The Davies equation of state of ionic surfactant adsorbed monolayer and related problems, Colloids Surfaces A 537 (2018) 325–333.
9. Ab Rahman M.F., E.P. Neo, A.A. Rashid, Comparison of diferent types of dispersing agents on zeta potential and particle size analysis of sago starch difpersion as bio-filter for natural rubber latex films, International Journal of Current Science, Engineering & Technology 1(S1) (2018) 551–555.
10. Vatanparas H., F. Shahabi, A. Bahramian, A. Javadi, R. Miller, The role of electrostatic repulsion on increasing surface activity of anionic surfactants in the presence of hydrophilic silica nanoparticles, Scientific Reports 8 (2018) Art. No. 7251.
11. Basarova P., J. Zawala, M. Zednikova, Ineractions between a small bubble and a greater solid particle during the flotation process, Mineral Processing and Extractive Metallurgy Review 40 (2019) 410–426.

104 P.A. Kralchevsky, K.D. Danov, V.L. Kolev, G. Broze, A. Mehreteab, Effect of nonionic admixtures on the adsorption of ionic surfactants at fluid interfaces. 1. Sodium dodecyl sulfate and dodecanol, Langmuir 19 (2003) 5004–5018. (**Citations: 61**)

1. Liggiery L., F. Ravera, M. Ferrary, Surface rheology investigation of the 2–D phase transition in n–dodecanol monolayers at the water–air interface, Langmuir 19(24) (2003) 10233–10240.
2. Angarska J.T., K.D. Tachev, N.D. Denkov, Composition of mixed adsorption layers and micelles in solutions of sodium dodecyl sulfate and dodecyl acid diethanol amide, Colloids Surface A 233(1–3) (2004) 193–201.
3. Wenseleers W., I.I. Vlasov, E. Goovaerts, E.D. Obraztsova, A.S. Lobach, A. Bouwen, Efficient isolation and solubilization of pristine single–walled nanotubes in bile salt micelles, Adv. Funct. Mater. 14(11) (2004) 1105–1112.
4. Dominguez H., M. Rivera, Mixtures of sodium dodecyl sulfate/dodecanol at the air/water interface by computer simulations, Langmuir 21(16) (2005) 7257–7262.
5. Gurkov T.D., D. Todorova, K.G. Marinova, C. Bilke–Crause, C. Gerber, I.B. Ivanov, Ionic surfactants on fluid interfaces: determination of the adsorption; role of the salt and the type of the hydrophobic phase, Colloids Surfaces A 261(1–3) (2005) 29–38.
6. Dominguez H., Computer studies on the effects of long chain alcohols on sodium dodecyl sulfate (SDS) molecules in SDS/dodecanol and SDS/hexadecanol monolayers at the air/water interface, J. Phys. Chem. B. 110(26) (2006) 13151–13157.
7. Ivanov I.B., K.P. Ananthapadmanabhan, A. Lips, Adsorption and structure of the adsorbed layer of ionic surfactants, Adv. Colloid Interface Sci. 123–126 (2006) 189–212.
8. Jarek E., P. Wydro, A. Warszynski, M. Paluch, Surface properties of mixtures of surface–active sugar derivatives with ionic surfactants: theoretical and experimental investigations, J. Colloid Interface Sci. 293(1) (2006) 194–202.
9. Lopez–Diaz D., L. Garcia–Mateos, M.M. Velazguez, Surface properties of mixed monolayers of sulfobetaines and ionic surfactants, J. Coloid Interface Sci. 299(2) (2006) 858–866.

10. Para G., E. Jarek, P. Warszynski, The Hofmeister series effect in adsorption of cationic surfactants–theoretical description and experimental results, Adv. Colloid Interface Sci. 122(1–3) (2006) 39–55.
11. Yuan S., L. Ma, X. Zhang, I. Zheng, Molecular dynamics studies on monolayer of cetyltrimethylammonium bromide surfactant formed at the air/water interface, Colloids Surfaces A 289(1–3) (2006) 1–9.
12. Angarska J., C. Stubenrauch, E. Manev, Drainage of foam films stabilized with mixtures of non–ionic surfactants, Colloids Surfaces A 309(1–3) (2007) 189–197.
13. Case F.H., Predicting dynamic mesoscale structure of commercially relevant surfactant solutions, in. Multiscale Simulation Methods for Nanomaterials, 2007.
14. Day J.P.R., R.A. Campbell, O.P. Russell, C.D. Bain, Adsorption kinetics in binary surfactant mixtures studied with external reflection FTIR spectroscopy, J. Phys. Chem. C 111(25) (2007) 8757–8774.
15. Howes A.J., C.J. Radke, Monte Carlo simulations of Lennard–Jones nonionic surfactant adsorption at the liquid/vapor interface, Langmuir 23(4) (2007) 1835–1844.
16. Karakashev S.I., V.A. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1–3) (2007) 229–240.
17. Mittica G., Individualizzazione e separazione di nanotubi di carbonio a parete singola, PhD Thesis, Università degli Studi di Messina, 2006–2007.
18. Para G., P. Warszynski, Cationic surfactant adsorption in the presence of divalent ions, Colloids Surfaces A 300(3) (2007) 346–352.
19. Rusanov A.I., The essence of the new approach to the equation of the monolayer state, Colloid Journal 69(2) (2007) 131–143.
20. Wojciechowski K., Hydrogen bonding between fatty acids and azacrown ethers at fluid-fluid interfaces, in: Progress in Surface Science Research, 2007, ch. 5.
21. Case, F., In: Multiscale Simulation Methods for Nanomaterials, R.B. Ross and S. Mohanty, Eds., Wiley–Interscience, New York, 2008; p. 268.
22. Fernandez–Leyes M.D., P.C. Schulz, P.V. Messina, pH and surface tension dependence of mixed sodium deoxycholate–sodium dehydrocholate pre–micellar aggregation in aqueous solution, Colloids and Surfaces A: Physicochemical and Engineering Aspects 329(1–2) (2008) 24–30.
23. Burden D.K., A.M. Johnson, G.M. Nathanson, HCl Uptake through Films of Pentanoic Acid and Pentanoic Acid/Hexanol Mixtures at the Surface of Sulfuric Acid, J. Phys. Chem. A 113 (2009) 14131–14140.
24. Liu F., Q. Shen, Y. Su, S. Han, G. Xu, D. Wang, Transcriptive synthesis of Mg(OH)2 hollow nanospheres and the non–equilibrium shell fusion assisted by catanionicn vesicles, Journal of Physical Chemistry B 113(33) (2009) 11362–11366.
25. Tagashira H., Y. Takata, A. Hyono, H. Ohshima, Adsorption of surfactant ions and binding of their counterins at an air/water interface, J. Oleo Sci. 58(6) (2009) 285–293.
26. Wang H.H., Q. Shen, X.P. Li, F.L. Liu, Fabrication of Copper Oxide Dumbbell–Like Architectures via the Hydrophobic Interaction of Adsorbed Hydrocarbon Chains, Langmuir 25(5) (2009) 3152–3158.
27. Dominguez H., Structure of the SDS/1–dodecanol surfactant mixture on a graphite surface: A computer simulation study, J. Colloid Interface Sci. 345(2) (2010) 293–301.
28. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Adsorption layer characteristics of mixed oxyethylated surfactant solutions, Jornal of Physical Chemistry B 144(13) (2010) 4503–4508.
29. Fainerman V.B., E.V. Aksenenko, S.V. Lylyk, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed sodium dodecyl sulfate/C nEOm solutions 1. Dynamic and equilibrium surface tension, Langmuir 26(1) (2010) 284–292.
30. Javadi A., N. Mucic, D. Vollhardt, V.B. Fainerman, R. Miller, Effects of dodecanol on the adsorption kinetics of SDS at the water–hexane interface, J. Colloid Interface Science 351(2) (2010) 537–541.
31. Ангарска Ж., Д. Иванова, К. Щубенраух, Гибсова еластичност и адсорбционни слоеве от смесени разтвори на n-додецил-β-D-малтозид с додеканол, Годишник на Шуменския Университет, 2010.
32. Ivanova D.S., Z. Angarska, S.I. Karakashev, E.D. Manev, Drainage of foam films stabilized by n-dodecyl-β-d-maltoside or dodecyl trimethylammonium bromide and their mixtures, Colloid and Surfaces A 382(1–3) (2011) 93–101.
33. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.
34. Chang C.-C., Adsorption kinetics of dioctyl sodium sulfosuccinate in aqueous NaCl solution, MSc. Thesis, National Taiwan University of Science and Technology, 2012.

35. Le N.T., Influence of the molecular structure on the adsorption of surfactants at water/air interface, PhD Thesis, Curtin University, 2012.
36. Liao Y.-C., Adsorption kinetics of sodium dodecylsulfate aqueous solution with NaCl, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
37. Kuo C.-C., A theoretical study of ionic surfactant adsorption kinetics, National Taiwan University of Science and Technology, 2013.
38. Xu H., P.X. Li, K. Ma, R.K. Thomas, J. Penfold, J.R. Lu, Limitations in the application of Gibbs equation to anionic surfactants at the air/water interface: sodium dodecylsulfate and sodium dodecylmonooxyethylenesulfate above and below the CMC, Langmuir 29(30) (2013) 9335–9351.
39. Aranda-Bravo C.G., J.G. Mendez-Bermudez, H. Dominquez, Desorption of decane molecules from a grafite surface produced by sodium alpha olefin sulfate/betaine mixtures: a computer simulation study, Journal of Molecular Liquids 200 B (2014) 465–473.
40. Lin C.-H., A study on the adsorption kinetics of ionic surfactants and evaporation behavior of sessile drop, MS Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2014.
41. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2014.
42. Dey J., N. Sultana, S. Kumar, V.K. Aswal, S. Shoudhury, K. Ismail, Controlling the aggregation of sodium dodecylsulphate poly(ethylene glycol) solutions, RSC Advances 5(91) (2015) 74744–74752.
43. Lin Y.-C., A study of the adsorption kinetics of decanoic acid and dodecylamine, MS Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2015.
44. Nguyen K.-L., Agrégation de tensioactifs anioniques à une interface solide-aqueux induite par l'oxydation d'une monocouche auto-aassemblée de ferrocenylalkanethiolates, PhD Thesis, Montreal University, 2015.
45. Nguyen K.-L., E.R. Dionne, A. Badia, Redox-controlling ion-pairing association of anionic surfactant to ferrocene-terminated self-assembled monolayers, Langmuir 31(23) (2015) 6393–6394.
46. Shaloski M.A., T.B. Sobyra, G.M. Nathanson, DCI transport through dodecyl sulfate films on salty glycerol: Effects of seawater ions on gas entry, Journal of Physical Chemistry A 119(50) (2015) 12357–12366.
47. Kharchenko A.Y., N.N. Kamneva, N.O. Mchedlov-Petrossyan, The properties and composition of the SDS-1-butanol mixed micelles as determined via acid-base indicators, Colloids and Surfaces A 507 (2016) 243–254.
48. Kharchenko A.Yu., Composition of the sodium dodecylsulfate-1-pentanol mixed micelles as determined using acid-base indicators, Kharkov University Bulletin, Chemical Series 27(50) (2016) 5–15.
49. Qu G., C. Xue, Y. Han, S, Liang, J. Cheng, W. Ding, Molecular dynamics study of n-dodecyl-n,n-dimethyl-3-ammonio-1-propanesulfonate mono-layer adsorbed at the air/water Interface, Journal of Dispersion Science and Technology 37(8) (2016) 1067–1075.
50. Summerton E., G. Zimbitas, M. Britton, S. Bakalis, Crystallization of sodium dodecyl sulfate and the corresponding effect of 1-dodecanol addition, Journal of Crystal Growth 455 (2016) 111–116.
51. Zeng Y.-H., Advancing/receiding contact angles measurement and the adsorption kinetics of ionic surfactants, MSc Thesis, Department of Chemical Engineering, National Taiwan University of Science and Technology, 2016.
52. Basarova P., H. Suchanova, K. Souskova, T. Vachova, Bubble adhesion at hydrophobic surfaces in solutions of pure and technical grade surfactants, Colloids Surfaces A 522 (2017) 485–493.
53. Martinez-Balbuena L., A. Artega-Jimenez, E. Hernandes-Zapata, C. Marquez-Beltran, Application of Gibbs adsorption isotherm to the analuysis of experimebntal surface-tension data for ionic and nonionic surfactants, Advances in Colloid and Interface Science 247 (2017) 178–184.
54. Slavchov R., I.B. Ivanov, Adsorption parameters and phase behavior of non-ionic surfactants at liquid interfaces, Soft Matter 13(46) (2017) 8829–8848.
55. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 39(1) (2018) 92–99.
56. Petrovic L., Primena Sistema hitozan-jonska povrsinski aktivna materija za dobijanje uljnog sadrzaja, PhD Thesis, Novi Sad University, 2019.
57. Basarova P., J. Zawala, M. Zednikova, Ineractions between a small bubble and a greater solid particle during the flotation process, Mineral Processing and Extractive Metallurgy Review 40 (2019) 410–426.
58. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.
59. Salazar-Arriaga A.B., H. Domiguez, Decane structure on a graphite surface with sodium dodecyl sulfate and betaine surfactant mixtures: A molecular dynamics study, Chemical Physics 539 (2020) Art. No. 110945.

60. Peng M., A.V. Nguyen, Adsorptioin of ionic surfactants at the air/water interface: The gap between theory and experiment, Advances in Colloid and Interface Science 275 (2020) Art. No. 102052.
61. Katev V., Z. Vinarov, S. Tcholakova, Mechanism of drug solubilization by polar lipids in biorelevant media, European Journal of Pharmaceutical Sciences 159 (2021) Art. No. 105733.

103 V.L. Kolev, I.I. Kochijashky, K.D. Danov, P.A. Kralchevsky, G. Broze, A. Mehreteab, Spontaneous detachment of oil drops from solid substrates: governing factors, J. Colloid Interface Sci. 257 (2003) 357–363. (**Citations: 68**)

1. von Bahr M., F. Tiberg, B. Zhmud, Oscillations of sessile drops of surfactants solutions on solid substrate with differing hydrophobicity, Langmuir 19(24) (2003) 10109–10115.
2. Chengara A., A.D. Nikolov, D.T. Wasan, A. Trokhymchuk, D. Henderson, Spreading of nanofluids driven by the structural disjoining pressure gradient, J. Colloid Interface Sci. 280(1) (2004) 192–201.
3. Gokhale S.J., S. Dasgupta, J.L. Plawsky, P.C. Wayner Jr., Reflectivity–based evaluation of the coalescence of two condensing drops and shape evolution of the coalesced drop, Phys. Rev. E 70(5) (2004) Art. No. 051610.
4. Pumphrey K.M., C.V. Chrysikopoulos, Non–aqueous phase liquid drop formation within a water saturated fracture, Colloids Surfaces A 240(1–3) (2004) 199–209.
5. Vaz D.A., Fromulaciones Detergentes Biodegradables: Ensayos de Lavado, PhD Thesis, Granada University, 2004.
6. Duo W., C. Jianqiu, W. Dong, L. Bin, The preparation of the new type environmentally friendly water soluble metal washing agents, Lubrication Engineering 6, 2005.
7. Hongmei M.A., Z.H.U. Zhiliang, Research progress and application of surfactants in chemical cleaning, Cleaning World 21(4) (2005) 22–27.
8. Xiaofeng L., G. Boqin, T. Shandong, H. Chuanqing, Safety assessment method of flanged joints aat elevated temperature, Lubrication Engineering 6, 2005.
9. Iliev S., N. Pesheva, On the quasi–static relaxation of a drop in a combined model of dissipation, Langmuir 22(4) (2006) 1580–1585.
10. Valentim I.B., I. Joekes, Adsorption of sodium dodecylsulfate on chrysotile, Colloids Surfaces A 290(1–3) (2006) 106–111.
11. Progress in the research of wettability reversal mechanism, Journal of Xi'an Shiyou University 22(6) (2007) 78–84.
12. Chengara A.V., A.D. Nikolov, D.T. Wasan, In: Interfacial Processes and Mollecular Aggregation of Surfactants, R. Narayanan, Ed.; Springer, Berlin, 2008; pp. 117–142.
13. Jyao Q., T. Yang, H. Song, Strengthening environment – protecting cleaning and accomplishing energy conservation and disjarge reduction, Cleaning World 11, 2008.
14. Zhang J., Q.P. Nguyen, A.K. Flaaten, G.A. Pope, Mechanisms of enhanced natural imbibition with novel chemicals, SPE – DOE Improved Oil Recovery Symposium Proceedings 2 (2008) 865–876.
15. Causse J., S. Faure, Acidic surfactant solutions for tributylphosphate removal in nuclear fuel reprocessing plants: A formulation study, Chemical Engineering Journal 147(2–3) (2009) 180–187.
16. Fetzer R., M. Ramiasa, J. Ralston, Dynamics of liquid–liquid displacement, Langmuir 25(14) (2009) 8069–8074.
17. Guo B., X. Yu, M. Khoshgahdam, A simple analytical model for predicitng productivity of multifractured horizontal well, SPE Reservoir Evalution and Engineering 12(6) (2009) Art. No, 114452-PA.
18. Houmard M., Revetemens sol–gel TiO_2–SiO_2 naturellement super–hydrophiles visant a developper des surfaces a nettoyabilite accrue, Ph.D Thesis, 2009, Institut Politechnique de Grenoble.
19. Jiang P., G.C. Zhang, J.J. Ge, H.T. Liu, T. Ma, Q. Zhang, The method of measurement for oil film shrink velocity, Shiyou Huagong Gaodeng Xuexiao Xuebao/Journal of Petrochemical Universities 22(1) (2009) 61–64.
20. Zhang J., Q.P. Nguyen, A.K. Flaaten, G.A. Pope, Mechanisms of enhanced natural imbibition with novel chemicals, SPE Reservoir Evaluation and Enginneering 12(6) (2009) 912–920.
21. Илиев, Станимир Димитров, Статика и динамика при малки капилярни числа на течности, частично омокрящи твърдо тяло: вариационен подход, Дисертация за научната степен "доктор на науките", Ин–т по Механика, БАН, София, 2009 г.
22. Ren W.Q., D. Hu, E. Weinan, Continuum models for the contact line problem, Physics of Fliuds 22(10) (2010) Art. 102103.
23. Taylor S.E., Design and technical evaluation of a conceptual process for transferring solvent precipitated asphaltenes into water utilising surfactant phase behaviour, Chemical Engineering Research and Designe 88(1) (2010) 61–72.

24. Wang L., J. Liang, W. Xu, D. Han, Effect of nanometer far–infrared materials on the cleanability of ceramic glazes, 6th East Asian Symposium on Functional Ion Application Technology and 2010 International Forum on Ecological Environment Functional Materials and Industry; Shanghai; 24 September 2010 through 25 September 2010; Code 83509.
25. Kondiparty K., A. Nikolov, D. Wasan, Wetting and spreading of nanofluids on solid surfaces driven by the structural disjoining pressure: Statics analysis and experiments, Langmuir 27(7) (2011) 3324–3335.
26. Ramiasa M., J. Ralston, R. Fetzer, R. Sedev, Contact line friction in liquid-liquid displacement on hydrophobic surfaces, Journal of Physical Chemistry C 115(50) (2011) 24975–24986.
27. Wang L., J. Liang, W. Xu, D. Han, Effect of nanometer far–infrared materials on the cleanability of ceramic glazes, Advanced Materials Research 178 (2011) 103–108.
28. Wasan D., A. Nikolov, K. Kondiparty, The weting and spreading of nanofluids on solids: Role of the structural disjoining pressure, Current Oppinion in Colloid and Interface Science 16(4) (2011) 344–349.
29. Kang I.-S., Detergency of particulate soil of PET fabric finished with hydrophilic and hydrophobic chemicals, Journal of the Korean Society of Clothing and Textiles 36(11) (2012) 1237–1245.
30. Liu K.-L., K. Kondiparty, A.D. Nikolov, D. Wasan, Dynamic spreading of nanofluids on solids: II. Modeling, Langmuir 28(47) (2012) 16274–16284.
31. Liu Q., S. Yuan, H. Yan, X. Zhao, Mechanics of oil detachment from a silica surface in aqueous surfactant solutions: Molecular dynamics simulations, Journal of Physical Chemistry B 116(9) (2012) 2867–2875.
32. Zhu D.Y., X.M. Liao, P.Q. Dai, Theoretical analysis of reactive solid-liquid interface energies, Chinese Science Bulletin 57(34) (2012) 4517–4524.
33. Chini S.F., V. Bertola, A. Amirfazli, A methodology ot determine the adhesion force of arbitrarily shaped drops with convex contact lines, Colloid Surfaces A 436 (2013) 425–433.
34. Mahani H., S. Berg, D. Ilic, W.-B. Bartels, V. Joekar-Niasar, Kinetics of the low salinity waterflooding effect studied in a model system, EORC 2013, 457–470.
35. Radiom M., C. Yang, W.K. Chan, Dynamic contact angle of water-based titanium oxide nanofluid, Nanoscale Research Letters 8(1) (2013) 1–9.
36. Wang F.-C., H.-A. Wu, Enhanced oil droplet detachment from solid surfaces in charged nanoparticle suspensions, Soft Matter 9(33) (2013) 7974–7980.
37. Wu S., A. Nikolov, D. Wasan, Cleansing dynamics of oily soil using nanofluids, J. Colloid Interface Sci. 396 (2013) 293–306.
38. Yesudhason P., M. Al-Busaidi, W.A.K. Al-Rahbi, A.S. Al-Waili, A.K. Al-Nakhaili, N.A. Al-Mazrooei, S.H. Al-Habsi, Distribution patterns of toxic metals in the marine oyster Saccostrea cucullata from the Arabian See in Oman: spatial, temporal, and size variations, Springer Plus 2(1) (2013) 1–11.
39. Zhong J., X. Wang, J. Du, Wang L., Y. Yan, Zhang J., Combined molecular dynamics and quantum mechanics study of oil droplet adsorption on different self-assembly monolayers in aqueous solution, Journal of Physical Chemistry C 117(24) (2013) 12510–12519.
40. Andrukh T., D. Monaenkova, B. Rubin, W.-K. Lee, K.G. Kornev, Meniscus formation in a capillary and the role of contact line friction, Soft Matter 10(4) (2014) 609–615.
41. Lin F., L. He, B. Primkulov, Z. Xe, Deweting dynamics of solid microsphere by emulsion drop, The Journal of Physical Chemistry C 118(25) (2014) 13552–13562.
42. Mercade-Prieto R., S. Bakalis, Methodological study on the removal of solid oil and fat strains from cotton fabrics using abrasion, Textile Research Journal 84(1) (2014) 52–65.
43. Ramiasa M., J. Ralston, R. Fetzer, R. Sedev, The influence of topography on dynamic weting, Advances in Colloid Interface Science 206 (2014) 275–293.
44. Wasan D., A. Nikolov, G. Sedhumadhavan, Role of structural forces in cleaning soiled surfaces, in: Oil Spill Remediation: Chemistry-Based Principles and Solutions, 2014, Ch. 16.
45. Yue P., F. Zhang, H.L. Fan, Study of oil displacement performance of hydroxyl sulfobetaine surfactant, Advanced Materials Research 853 (2014) 223–228.
46. Zhang P. Z. Xu, Q. Liu, S. Yuan, Mechanism of oil detachment from hybrid hydrophobic and hydrophilic surface in aqueous solution, Journal of Chemical Physics 140(16) (2014) Art. No. 164702.
47. Lamorgese A., R. Mauri, On the buoyancy-driven detachment of a wall-bound pendant drop: Results of phase-field simulations, Chemical Engineering Transactions 43 (2015) 1849–1854.
48. Mahani H., S. Berg, D. Ilic, W.-B. Bartels, V. Joekar-Niasar, Kinetics of low-salinity-flooding effect, SPE Journal 20(1) (2015) 8–20.
49. Wang S., Z. Li, B. Liu, X. Zhang, Q. Yang, Molecular nechanism of surfactant-aided oil removal from a solid surface, Applied Surface Science 359 (2015) 98–105.
50. Basarova P., T. Vachova, L. Bartovska, A typical wetting behavior of alcohol-water mixtures on hydrophobic surfaces, Colloids and Surafces A 489 (2016) 200–206.

51. Bai Q., Y. Gou, J. Chen, L. Lu, Q. Zhang, F. Zhang, H. Zhao, X. Yuan, Y. Liang, Research and development of ultra-clean manufacturing, Journal of Mechanical Engineering 52(19) (2016) 145–153.
52. Hou B., Y. Wang, X. Cao, J. Zhang, X. Song, M. Ding, W. Chen, Mechanisms of enhanced oil recovery by surfactant-induced wettability alteration, Journal of Dispersion Science and Technology 37(9) (2016) 1259–1267.
53. Lamorgese A., R. Mauri, Critical conditions for the buoyancy-driven detachment of a wall-bound pendant drop, Physics of Fluids 28(3) (2016) Art. No. 032103.
54. Xie W., Y. Sun, H. Liu, H. Fu, Y. Liang, Conformational change of oil contaminants adhered onto crystalline alpha-alumina surface in aqueous solution, Applied Surface Science 360 (2016) 184–191.
55. Yuan S., S. Wang, X. Wang, M. Guo, Y. Wang, D. Wang, Molecular dynamics simulation of oil detachment from calcite surface in aqueous surfactant solution, Computational and Theoretical Chemistry 1092 (2016) 82–89.
56. Li Y., Q. Yang, R.A. Mei, M Cai, J.Y.Y. Heng, Z. Yang, Controlling the accumulation of water at oil-solid interfaces with gradient coating, Journal of Physical Chemistry B 121(27) (2017) 6766−6772.
57. Xie W., H. Liu, Y. Liang, Conformation evolution of oil contaminants onto aluminum oxide surface in aqueous solution: The effect of surface coverage, Applied Surface Science 392 (2017) 747−759.
58. Duan M., Z. Ding, H. Wang, Y. Xiong, S. Fang, P. Shi, S. Liu, Evoluation of oil/water interface in the presence of SDBS etected by dual polarization interferometry, Applied Surface Science 427 (2018) 917–926.
59. Tang J., Z. Qu, J. Luo, L. He, P. Wang, P. Zhang, X. Tang, Y. Pei, B. Ding, B. Peng, Y. Huang, Molecular dynamics simulations of the oil-detachment from the hydroxylated silica surface: Effects of surfactants, electrostatic interactions, and water flows on the water molecular channel formation, Journal of Physical Chemistry B 122(6) (2018) 1905−1918.
60. Zheng W., C. Sun, B. Wen, B. Bai, Moving mechanism of the three-phase contact line in a water-deccane-silica system, RSC Advances 9 (2019) 3092–3101.
61. Kim M.-S., T.-J. Ko, Y.-A. Lee, K. H. Oh, M.-W. Moon, Multiple air-bubble enhanced oil rupture on nanostructured cellulose fabric for easy-oil cleaning fouled in a dry state, Scientific Reports 9 (2019) Art. No. 14538.
62. Xia D., K. He, Z.-Y. Zhang, F.-S. Zhang, Effect of steam jet on oil reclamation and purification from layered oily sludge, Fuel 263 (2020) Art. No. 116731.
63. Zhao L., Z. Wang, X. Wu, Y. Sun, J. Dang, J. Yang, L. Feng, Synthesis and performance evaluation of surfactant system with thermal stability and salt resistance of decreasing injection pressure, Speciality Petrochemicals 34 (2017) 1–5.
64. Da Silva G.C.O., R. Giro, B.A.C. Horta, R.F. Neumann, M. Engel, M.B. Steiner, Effect of additives on oil displacement in nanocapillaries: A mesoscale simulation, Journal of Molecular Liquids 312 (2020) Art. No. 112953.
65. Lin F., Efficient recovery of extra-heavy oil using a naturally abundant green solvent: Toward a more sustainable oil-solid-water separation, Sustainable Materials and Technologies 25 (2020) Art. No. e00185.
66. Li R., R. Manica, Y. Lu, Z. Xu, Role of surfactants in spontaneous displacement of high viscosity oil droplets from solid surfaces in aqueous solutions, Journal of Colloid and Interface Science 579 (2020) 898–908.
67. Yakshaveh J.S., A. Jafari, Z. Tohidi, R.P. Salehi, Nano-scale simulation of oil-water-nanosilica-rock system: Wettability and rheological properties alteration using charged nanoparticles, Journal of Petroleum Science and Engineering 195 (2020) Art. No. 197724.
68. Xiang B., Fundamental understanding of sodium citrate in bitumen liberation, PhD Thesis, University of Alberta, 2020.

101 P.A. Kralchevsky, K.D. Danov, N.D. Denkov, Chemical physics of colloid systems and interfaces, in: K.S. Birdi (Ed.), Handbook of Surface and Colloid Chemistry, Second Edition, CRC Press, New York, 2002, pp. 137–344. (**Citations: 56**)

1. Taylor C.D., D.S. Valkovska, C.D. Bain, A simple and rapid method for the determination of the surface equations of state and adsorption isotherms for efficient surfactants, Phys. Chem. Chem. Phys. 5(21) (2003) 4885–4891.
2. Cao G., Nanostructures and Nanomaterials: Synthesis, Properties and Applications, Imperial College Press, London, 2004, p. 327.
3. Kirby B.J., E.F. Hasselbrink Jr., The zeta potential of microfluidic substrates. 2. Data for polymers, Electrophoresis 25 (2004) 203–213.
4. Kirby B.J., E.G. Hasselbrink Jr., Zeta potential of microfluidic substrates: 1. Theory, experimental techniques, and effects on separations, Electrophoresis 25 (2004) 187–202.

5. Sekine M., R.A. Campbell, D.S. Valkovska, J.P.R. Day, T.D. Curwen, L.J. Martin, S.A. Holt, J. Eastoe, C.D. Bain, Adsorption kinetics of ammonium perfluorononanoate at the air–water interface, Phys. Chem. Chem. Phys. 6(21) (2004) 5061–5065.
6. Valkovska D.S., G.C. Shearman, D. Colin, C.D. Bain, C. Richard, R.C. Darton, J. Eastoe, Adsorption of ionic surfactants at an expanding air–water interface, Langmuir 20(11) (2004) 4436–4445.
7. Evdokimov I.N., N.Yu. Eliseev, V.A. Iktisanov, Excess density in oilfield water–crude oil dispersions, J. Colloid Interface Sci. 285(2) (2005) 795–803.
8. Glomm W.R., Functionalized gold nanoparticles for applications in bionanotechnology, J. Dispersion Science and Technology 26(3) (2005) 389–414.
9. Horozov T.S., B.P. Binks, Particle behaviour at horizontal and vertical fluid interfaces, Colloids Surfaces A 267(1–3) (2005) 64–73.
10. Horozov T.S., R. Aveyard, B.P. Binks, J.H. Clint, Structure and stability of silica particle monolayers at horizontal and vertical octane–water interfaces, Langmuir 21(16) (2005) 7405–7412.
11. Schramm L.L. (Ed.), Emulsions, Foams, and Suspensions: Fundamentals and Applications, InterScience, Wiley, 2005, p. 410.
12. Basheva E.S., T.D. Gurkov, N.C. Christov, B. Campbell, Interactions in oil/water/oil films stabilized by β–lactoglobulin; role of the surface charge, Colloids Surfaces A 282–283 (2006) 99–108.
13. Croy S.R., G.S. Kwon, Polymeric micelles for drug delivery, Current Pharmaceutical Design 12(36) (2006) 4669–4684.
14. Fingas M., L. Ka'aihue, Oil spill dispersion stability and oil re–surfacing, Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (AMOP) Proceedings 2 (2006) 729–819.
15. Magueijo V., V. Semiao, M.N. de Pinto, Integrated modelling of lysozyme ultrafiltration, Journal Membrane Sci. 286(1–2) (2006) 133–143.
16. Matsubara H., M. Aratono, K.M. Wilkinson, C.D. Bain, Lattice model for the wetting transition of alkanes on aqueous surfactant solutions, Langmuir 22(3) (2006) 982–988.
17. Rahman M.A., T. Heidrick, B. Fleck, Conference Information: 2nd US–European Fluids Engineering Division Summer Meeting, JUL 17–20, 2006 Miami, FL; Proceedings of the ASME Fluids Engineering Division Summer Conference, Vol. 1, Parts A and B, 2006; pp. 1125–1127.
18. Sosnowski T., Efekty dynamiczne w układach ciecz-gaz z aktywną powierzchnią międzyfazową, Prace Widzialu Inzinieri Chemichnei 30(2) (2006) 3–141.
19. Texter J., Electroacoustic characterization of electrokinetics in concentrated pigment dispersions: 3–Cyano–4–(4′–butanesulfonamidophenyl)–5–furylidene–furan–2–one, Colloids Surfaces A 282–283 (2006) 475–482.
20. Kanouni M., H. Rosano, In: Multiple Emulsions: Technology and Applications, A. Aserin Ed., Wiley, New York, 2007; pp. 68 and 83.
21. Raccurt O., J. Berthier, P. Clementz, M. Borella, M. Plissonnier, On the influence of surfactants in electrowetting systems, Journal of Micromechanics and Microengineering 17(11) (2007) 2217–2223.
22. Bormashenko E., D. Aurbach, G. Whyman, T. Stein, Y. Bormashenko, R. Pogreb, On the role of the Plateau borders in the pattern formation occurring in thin evaporated polymer layers, Colloids and Surfaces A: Physicochemical and Engineering Aspects 312(2–3) (2008) 245–248.
23. Jutz G., Mineralized Bionanoparticle Pickering Emulsions, PhD Thesis, Bayreuth University, Germany, 2008.
24. Nan Wang, Preparation and morphological study of composite nano–particles made of homopolymers, M.Sc. Thesis, Queen's University, Kingston, Ontario, Canada, 2008.
25. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
26. Sherwood D.J., C.L. Crawford, T.L White, C.E. Duffey, T.B. Calloway, Impact of antifoam agent addition on hydrogen formation in the hanford waste treatment and immobilization plant, Nuclear Science and Engineering 158(1) (2008) 88–96.
27. Bormashenko E., R. Pogreb, G. Whyman, A. Musin, Surface tension of liquid marbles, Colloids and Surfaces A: Physicochemical and Engineering Aspects 351 (2009) 78–82.
28. Kwak H.S., H. Kim, J.M. Hyun, T.H. Song, Thermal control of electroosmotic flow in a microchannel through temperature–dependent properties, J. Colloid Interface Sci. 335(1) (2009) 123–129.
29. Tagashira H., Y. Takata, A. Hyono, H. Ohshima, Adsorption of surfactant ions and binding of their counterins at an air/water interface, J. Oleo Sci. 58(6) (2009) 285–293.
30. Dukhin A.S., S.S. Dukhin, Rapid Brownian and gravitational coagulation, Colloids and Interface Science Series vol. 1 (2010) 345–378.
31. Foudazi R., I. Masalova, A. Y.A. Malkin, The role of interdroplet interaction in the physics of highly concentrated emulsions, Colloid Journal 72(1) (2010) 74–92.

32. Foudazi R., I. Masalova, A.Y. Malkin, Effect of interdroplet interaction on elasticity of highly concentrated emulsions, Applied Rheology 20(4) (2010) 209–218.
33. Liu, S.Q.; Tang, Z.Y., J. Materials Chemistry 20(1) (2010) 24–35.
34. Nikolov A., K. Kondiparty, D. Wasan, Nanoparticle self–structuring in a nanofluid film spreading on a solid surface, Langmuir 26(11) (2010) 7665–7670.
35. Paciejewska K.M., Untersuchung des Stabilitatsverhaltens von binaren kolloidalen Suspensionen, PhD Thesis, Technical University, Dresden, 2010.
36. Bormashenko E., Liquid marbles: Properties and applications, Current Opinion in Colloid and Interface Science 16(4) (2011) 266–271.
37. Illy E., L. Navarini, Neglected Food Bubbles: The Espresso Coffee Foam, Food Biophysics 6(3) (2011) 335–348.
38. Kim K. N.S. Kwak, T.-H. Song, A numerical model for simulating electroosmotic micro-and nanochannel flows under non-Boltzmann equilibrium, Fluid Dynamics Research 43(4) (2011) Art. No. 041401.
39. Masalova A., R. Foudazi, Y.A. Malkin, The rheology of highly concentrated emulsions stabilized with different surfactants, Colloid Surfaces A: Physicochemical and Engineering Aspects 375(1–3) (2011) 76–86.
40. Biswas S., O.S. Vaze, S. Movassaghian, V.P. Torchilin, Polymer micelles for the delivery of poorly soluble drugs, Drug Delivery Strategies for Poorly Water-Soluble Drugs (2013) 411–476.
41. May S., A. Fahr, Self-assembled delivery vehicles for poorly water-solunle drugs: basic theoretical considerations and modeling concepts, Drug Delivery Strategies for Poorly Water-Soluble Drugs (2013) 1–35.
42. Zhou L., L. Wei, X. Du, Y. Yang, P. Jiang, B. Wang, Effects of nanoparticle behaviors and interfacial characteristics on subcooled nucleate pool boiling over microwire, Experimental Thermal and Fluid Science 57 (2014) 310–316.
43. Bak A., W. Podgorska, Interfacial and surface tensions of toluene/water and air/water systems with nonionic surfactants Tween 20 and Tween 80, Colloids and Surfaces A 403 (2016) 414–425.
44. Capeletto C.A., C. Sayer, P.H.H. Araujo, Post-modification of preformed polymer latex, Chemical Engineering and Processing 103 (2016) 80–86.
45. Foudazi R., I. Masalova, A.Y. Malkin, Modeling opf osmotic pressure and shear modulus of highly concentrated emulsions in the presence of inter-droplet interactions, 5th International Simposium of Food rheology and Structure (2016) 150–153.
46. Multanen V., R. Pogreb, Y. Bormashenko, E. Shutzinger, F. Whyman, M. Frenkel, E. Bormashenko, Under-liquid self-assembly of submerged buoyant polymer particles, Langmuir 32(23) (2016) 5714–5720.
47. Macas R.D.O., FORMULACIÓN DE UN RECUBRIMIENTO COMESTIBLE ANTIFÚNGICO A BASE DE GELATINA, GLICEROL Y NATAMICINA ENCAPSULADA EN LIPOSOMAS DE FOSFATIDILCOLINA PARA SU APLICACIÓN EN FRESA (Fragaria vesca), PhD Thesis, Escuela Politecnica Nacional, Argentina, 2017.
48. Rusu V., Stratul dublu electric al montmoril onitului. II. Analize comparative ale modelelor, Studia Universitatis Moldaviae 101(1) (2017) 108–117.
49. Fingas M., Surface chemistry and oil-in-water emulsion stability, Proceedings – 42 AMOP Technical Seminar on Environmental Contamination and Response, 2019, 940–1023.
50. Cacinovic N., Electrochemical synthesis of colloidal silver with sodium citrate, PhD Thesis, Split University, 2019.
51. Bormashenko E., A.A. Fedorets, M. Frenkel, L.A. Dombrovsky, M. Nosonovsky, Clustering and self-organization of in small-scale natural and artificial systems, Phil. Trans. Royal Soc. A 378 (2020) 2167.
52. Cinelli G., M. Cofelice, F. Venditti, Veiled extra virgin olive oils: Role of emulsion, water and entioxidants, Colloids and Interfaces 4 (2020) Art. No. 0038.
53. Alhodali M.A., Description of the preliminary proposals and modeling for applying the mechanical foam breakers techniques in the processing trays columns, Journal of Environmental Chemical Engineering 8 (2020) Art. No. 104344.
54. Regis R.J., Application of micellar enhanced ultrafiltration for the removal of soluble organic compounds present in produced water, PhD Thesis, Federal niversity of Santa Catarina, 2020.
55. Jajetic H., Sinteza i karakterizacija koloidnog srebra dobivenogelektrokemijskom metodom niskog naponaistosmjerne struje, PhD Thesis, University of Split, 2020.
56. Rekhviashvili S.S., V.V. Narozhnov, M.O. Mamchuev, D.S. Gaev, Study of the hardening kinetics of a mineral binder using electrical and optical methods, Industrial laboratory. Diagnostics of materials 87 (2021) 32–37.

100 V.L. Kolev, K.D. Danov, P.A. Kralchevsky, G. Broze, A. Mehreteab, Comparison of the van der Waals and Frumkin adsorption isotherms for sodium dodecyl sulfate at various salt concentrations, Langmuir 18 (2002) 9106–9109. (**Citations: 68**)

1. Horanyi G., Radiotracer Studies of Interfaces (The Interface Science and Technology Series), Academic Press, London, 2004, p. 160.
2. Horanyi G., Study of liquid/fluid interfaces, Interface Science and Technology, 3(C) (2004) 141−161.
3. Iwaura R., H. Minamikawa, T. Shimizu, Sodium chloride–induced self–assembly of microfibers from nanofiber components, J. Colloid Interface Sci. 277(2) (2004) 299−303.
4. Lopez J., R. Iturbe, L.G. Torres, Washing of soil contaminated with PAHs and heavy petroleum fractions using two anionic and one ionic surfactant: effect of salt addition, J. Environmental Science Health A 39(9) (2004) 2293–2306.
5. Schlarmann J., Zum Grenzflaschenverhalten nichtionischer Tenside, Cuvillier Verlag Gotingen, 2004.
6. Hong Y., U.B. Patri, S. Ramakrishnan, D. Roy, S.V. Babu, Utility of dodecyl sulfate surfactants as dissolution inhibitors in chemical mechanical planarization of copper, J. Materials Research 20(12) (2005) 3413–3424.
7. Pradines V., D. Lavabre, J.–C. Micheau, V. Pimienta, Determining the association constant and adsorption properties of ion pairs in water by fitting surface tension data, Langmuir 21(24) (2005) 11167−11172.
8. Bivas I., Electrostatic and mechanical properties of a flat lipid bilayer containing ionic lipids. Possibility for formation of domains with different surface charges, Colloids Surfaces A 282–283 (2006) 423–434.
9. Ivanov I.B., K.P. Ananthapadmanabhan, A. Lips, Adsorption and structure of the adsorbed layer of ionic surfactants, Adv. Colloid Interface Sci. 123–126 (2006) 189–212.
10. Jarek E., P. Wydro, A. Warszynski, M. Paluch, Surface properties of mixtures of surface−active sugar derivatives with ionic surfactants: theoretical and experimental investigations, J. Colloid Interface Sci. 293(1) (2006) 194–202.
11. Keswani M.K., H. Lee, S. Babu, U. Patri, Y. Hong, L. Ekonomikos, M. Goldstein, L. Borucki, A. Philipossian, Y. Zhuang, Study of inhibition characteristics of slurry additives in copper CMP using force spectroscopy, ECS Transactions 2(2) (2006) 515–522.
12. Para G., E. Jarek, P. Warszynski, The Hofmeister series effect in adsorption of cationic surfactants–theoretical description and experimental results, Adv. Colloid Interface Sci. 122(1–3) (2006) 39–55.
13. Philipossian A., H. Lee, S.V. Babu, U. Patri, Y. Hong, L. Economikos, M. Goldstein, Y. Zhuang, L. Borucki, Study of inhibition characteristics of slurry additives in copper CMP using force spectroscopy, ECS Transactions 2(2) (2006) 515–522.
14. Hong Y., V.K. Devarapalli, D. Roy, S.V. Babu, Synergistic roles of dodecyl sulfate and benzotriazole in enhancing the efficiency of CMP of copper, J. Electrochemical Society 154(6) (2007) 444–453.
15. Lee H., A. Philliposian, S.V. Babu, U.B. Patri, Y.-K. Hong, L. Economikos, M. Goldstein, Study of inhibition characteristics of slurry additives in copper CMP using force spectroscopy, Transactions on Electrical and Electronic Materials 8(1) (2007) 5−10.
16. Saiki Y., R.G. Horn, C.A. Prestidge, Rheological transition of concentrated emulsions during successive shearing cycles, Journal of Colloid and Interface Science 327(2) (2008) 440–445.
17. Song S.L., Z.G. Hu, Q.K. Wang, G. Cheng, X.H. Liu, Physicochemical properties and surface tension prediction of mixed surfactant systems: Triton X–100 with dodecylpyridinium bromide and Triton X–100 with sodium dodecylsulfonate, Journal of Dispersion Science and Technology 29(5) (2008) 763−768.
18. Davis C.A., Investigating the impact of microbial interactions with geological media on gephysical properties, PhD Thesis, Misuri University of Science and Technology, 2009.
19. James O.O., K.O. Ajanaku, O.K. Oguniran, O.O. Ajani, M.O. John, Adsorption behaviour of [(4-hydroxy-6-methyl-2-oxo-2Hpyran-3-yl-)-(4-methyl-phenyl)-methyl-urea on stainless steel in phosphoric media, Portugliae Electrochimica Acta 27(5) (2009) 591–598.
20. Tagashira H., Y. Takata, A. Hyono, H. Ohshima, Adsorption of surfactant ions and binding of their counterins at an air/water interface, J. Oleo Sci. 58(6) (2009) 285−293.
21. Varela L.M., J. Carrete, M. Turmine, E. Rilo, O. Cabeza, Pseudolattice theory of the surface tension of ionic liquid – water mixtures, Journal of Physical Chemistry B 113(37) (2009) 12500−12505.
22. Pradines V., V.B. Fainerman, E.V. Aksenenko, J. Kragel, N. Mucic, R. Miller, Adsorption of alkyl trimethylammonium bromides at the water/air and water/hexane interfaces, Colloid and Surfaces A 371(1–3) (2010) 22–28.
23. Takata Y., H. Tagashira, A. Hyono, H. Ohshima, Effect of counterion and configurational entropy on the surface tension of aqueous solutions of ionic surfactant and electrolyte mixtures, Entropy 12(4) (2010) 983–995.

24. Stanimirova R., K. Marinova, S. Tcholakova, N.D. Denkov, S. Stoyanov, E. Pelan, Surface rheology of saponin adsorption layers, Langmuir 27(20) (2011) 12486−12498.
25. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.
26. Chang C.-C., Adsorption kinetics of dioctyl sodium sulfosuccinate in aqueous NaCl solution, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
27. Dey J., Studies on the micellization behavior of surfactants in selected solvent media, PhD Thesis, North-Eastern University, Australia, 2012.
28. Dey J., U. Thapa, K. Ismail, Aggregation and adsorption of sodium dioctylsulfosuccinate in aqueous ammonium chloride solution: Role of mixed counterions, J. Colloid Interface Sci. 367(1) (2012) 305–310.
29. Frackowiak R., G. Para, P. Warszynski, K.A. Wilk, New environmental friendly dicephalic amine dicholrides: Nonequuivalent adsorption and interactions with model polyelectrolyte, Colloid Surfaces A 413 (2012) 108–114.
30. Le N.G., Influence of molecular structure on the adsorption of surfactants at water/air interface, PhD Thesis Department of Chemistry, Curtin University, 2012.
31. Liao Y.-C., Adsorption kinetics of sodium dodecylsulfate aqueous solution with NaCl, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
32. Musa A.Y., A.A.H. Kadhum, A.B. Mohamad, M.S. Takriff, E.P. Chee, Inhibition of aluminum corrosion by phthalazinone and synergistic effect of halide ion in 1.0 M HCl, Current Applied Physics 12(1) (2012) 325–330.
33. Petkova R., S. Tcholakova, N.D. Denkov, Foamig and foam stability for mixed polymer-surfactant solutions: Effects of surfactant type and polymer charge, Langmuir 28(11) (2012) 4996–5009.
34. Barnaba C., M.A. Garcia-Alvarado, I.G. Medina-Meza, K.M. Tajero-Andrade, Langmuir adsorption isotherms for different organic solutions of cholesterol, Revista Mexicana de Ingeneria Qumica 12(2) (2013) 283–292.
35. Chang C.-C., Adsorption kinetics of dioctyl sodium sulfosuccionate in aqueous NaCl solution, National Taiwan University of Science and Technology, 2013.
36. Kuo C.-C., A theoretical study of ionic surfactant adsorption kinetics, National Taiwan University of Science and Technology, 2013.
37. Liu F., D. Wang, W. Liu, X. Wang, A. Bai, L. Huang, Ionic liquid-based ultrahigh pressure extraction of five tanshinones from Salvia milthiorriza Bunge, Separation and Purification Technology 110 (2013) 86–92.
38. Mucic N., V. Pradines, A. Javadi, A. Sharipova, Kraegel J., Leser M.E., Aksenenko E.V., Fainerman V.B., Miller R., Adsorption characteristics of ionic surfactants at water/hexane interface obtainde by PAT and ODBA, Emulsion Formation and Stability 2013 98–108.
39. Randles E.G., Photo-induced release of liposome-encapsulated molecules, PhD Thesis, Boston University, 2013.
40. Takata Y., H. Tagashira, A. Hyono, H. Ohshima, Effect of counterion and configurational entropy on the surface tension of aqueous solutions of ionic surfactant and electrolyte mixtures, Entropy 115(4) (2013) 983–995.
41. Chen M., X. Lu, X. Liu, Q. Hou, Y. Zhu, H. Zhou, Temperature-dependent phase transition and desorption free energy of sodium dodecyl sulfate at the water/vapor interface: Approaches from Molecular dynamics simulations, Langmuir 30(35) (2014) 10600−10607.
42. De Keersmaecker M., D. Depl, K. Verbeken, A. Andriaensa, Electrochemical and surface study of neutralized dodecanoic acid on a lead substarte, Journal of the Electrochenmical Society 161(3) (2014) C126–C137.
43. Lin C.-H., A study on the adsorption kinetics of ionic surfactants and evaporation behavior of sessile drop, MS Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2014.
44. Mchedlov-Petrossyan N.O., Adsorption of ionic surfactants on water/air interface: One more transformation of the Gibbs equation, Surface Enginnering and Applied Electrochemistry 50(2) (2014) 173–182.
45. Anachkov S.E., S. Tcholakova, D.T. Dimitrova, N.D. Denkov, N. Subrahmaniam, P. Bhunia, Colloids and Surfaces A 468 (2015) 18−27.
46. Zielinski W., K.A. Wilk, G. Para, K. Ciszewski, J. Palus, P. Warszynski, Synthesis, surface activity and antielectrostatic properties of new soft dichain cationic surfactants, Colloids and Surfaces A 400 (2015) 63–70.
47. Bottcher S., S. Drusch, Iinterfacial properties of saponin extracts and their impact on foam characteristics, Food Biophysics 11(1) (2016) 91−100.

48. Li N.N., R.K. Thomas, A.R. Rennie, Neutron reflectometry of anionic surfactants on sapphire: A strong maximum in the adsorption near the critical micelle concentration, Journal of Colloid and Interface Science 471 (2016) 81–88.
49. Zeng Y.-H., Advancing/receding contact angles measurement and the adsorption kinetics of ionic surfactants, MS Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2016.
50. Bottcher S., S. Dursch, Saponins-Self-assembly and behavior at aqueous interfaces, Advances in Colloid and Interface Science 243 (2017) 105–113.
51. Kinoshita K., E. Parra, D. Needham, Adsorption of ionic surfactants at microscopic air-water interfaces using the micropipette interfacial area-expansion method: Measurement of the diffusion coefficient and renormalization of the mean ionic activity for SDS, Journal of Colloid and Interface Science 504 (2017) 765–779.
52. Sresht V., E.P. Lewandowski, D. Blankschtein, A. Jusufi, Combined molecular dynamics simulation-molecular-thermodynamic theory framework for predictinf surface tension, Langmuir 33(33) (2017) 8319–8329.
53. Vatanparast H., A. Samiee, A. Bahramian, A. Javadi, Surface behavior of hydrophilic silica nanoparticle-SDS surfactant solutions: I. Effect of nanoparticle concentration on foamability and foam stability, Colloids and Surfaces A 513 (2017) 430–441.
54. Gugala-Fetner D., The effect of adenine adsorption on Zn(II) electroreduction in acetate buffer, Acta Chim Slov. 65 (2018) 1–8.
55. Mchedlov-Petrossyan N.O., The Davies equation of state of ionic surfactant adsorbed monolayer and related problems, Colloids Surfaces A 537 (2018) 325–333.
56. Cho H.J., V. Sresht, E.N. Wang, Predicting surface tensions of surfactant solutions from statistical mechanics, Langmuir 34(6) (2018) 2386–2395.
57. Hua X., J. Frechette, M.A. Bevan, Nanoparticle adsorption dynamics at fluid interfaces, Soft Matter 14(19) (2018) 3818–3828.
58. Hua X., M.A. Bevan, J. Frechette, Competetive adsorption between nanoparticles and surface active ions for the oil water interface, Langmuir 34(16) (2018) 4830–4842.
59. Jiang N., Y. Sheng, C. Li, S. Lu, Surface activity, foam properites, and aggregation behaviour of mixtures of short-chain fluorocarbon and hydrocarbon surfactants, Journal of Molecular Liquids 268 (2018) 249–255.
60. Lapucha J., Liquid content predictors for aqueous foams, PhD Thesis, Tulane University, 2018.
61. Lee J.G., L.L. Larive, K.T. Valsaraj, B. Bharti, Binding of lignin nanoparticles at oil-water interfaces: An eco-friendly alternative to oil spill recovery, ACS Applied Materials and Interfaces 10(49) (2018) 43282–43289.
62. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 39(1) (2018) 92–99.
63. Saxena N., A. Kumar, A. Mandal, Adsorption analysis of natural anionic surfactants for enhanced oil recovery: The role of mineralogy, salinity, alkalinity and nanoparticles, Journal of Petroleum Science and Engineering 173 (2019) 1264–1283.
64. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
65. Seo H.W., N. Jung, C.S. Yoo, Oscillation dynamics of colloidal particles caused by surfactant in an evaporating drop, Journal of Mechanical Science and Technology 34(2) (2020) 801–808.
66. Werkhoven B., Static and dynamic solid water interfaces. Charge regulation, diffusio-osmosis and heterogeneous electrokinetics, PhD Thesis, Utrecht University, 2020.
67. Peng M., A.V. Nguyen, Adsorptioin of ionic surfactants at the air/water interface: The gap between theory and experiment, Advances in Colloid and Interface Science 275 (2020) Art. No. 102052.
68. Giri S.S., Application of Microbial Biosurfactants in the Pharmaceutical Industry, in: Microbial Biosyrfactants, 2021, 251–269.

099 N.C. Christov, D.N. Ganchev, N.D. Vassileva, N.D. Denkov, K.D. Danov, P.A. Kralchevsky, Capillary mechanisms in membrane emulsification: oil–in–water emulsions stabilized by Tween 20 and milk proteins, Colloids Surfaces A 209 (2002) 83–104. (**Citations: 104**)

1. Gijsbertsen–Abrahamse A.J., Membrane Emulsification: Process Principles, PhD Thesis, Wageningen University, The Netherlands, 2003.
2. Kobayashi I., M. Nakajima, S. Mukataka, Preparation characteristics of oil–in–water emulsions using differently charged surfactants in straight–through microchannel emulsification, Colloids Surfaces A 229(1–3) (2003) 33–41.

3. Kocherginsky N.M., C.L. Tan, W.F. Lu, Demulsification of water–in–oil emulsions via filtration through a hydrophilic polymer membrane, J. Memebrane Sci. 220(1–2) (2003) 117–128.
4. Charcosset C., I. Limayem, H. Fessi, The membrane emulsification process – a review, J. Chem. Technol. Biot. 79(3) (2004) 209–218.
5. Geerken M.J., T.S. van Zonten, R.G.H. Lammertink, Z. Borneman, W. Nijdam, C.J.M. van Rijn, M. Wessling, Chemical and thermal stability of alkylsilane based coatings for membrane emulsification, Adv. Eng. Materials 6(9) (2004) 749–754.
6. Gijsbertsen–Abrahamse A.J., A. van der Padt, R.M. Boom, Status of cross–flow membrane emulsification and outlook for industrial application, J. Membrane Sci. 230(1–2) (2004) 149–159.
7. Lambrich U., G.T. Vladisavljevic, Emulsification using microstructured systems, Chem. Ing. Tech. 76(4) (2004) 376–383.
8. McClements, D.J., Food Emulsions: Principles, Practices and Techniques, 2nd Ed., CRC Press, Boca Raton, Fl., 2004; p. 553.
9. Rayner M., G. Trägårth, C. Trägårth, P. Dejmek, Using the surface evolver to model droplet formation processes in membrane emulsification, J. Colloid Interface Sci. 279(1) (2004) 175–185.
10. van der Graaf S., C.G.P.H. Schroën, R.G.M. van der Sman, R.M. Boom, Influence of dynamic interfacial tension on droplet formation during membrane emulsification, J. Colloid Interface Sci. 277(2) (2004) 456–463.
11. Zimmermann T., E. Pöhler, T. Geiger, Cellulose fibrils for polymer reinforcement, Advanced Engineering Materials 6(9) (2004) 754–761.
12. Astete R.C.E., Synthesis of Poly(Dl–Lactide–Co–Glycolide) Nanoparticles with Entrapped Magnetite, Ph D Thesis, The Department of Biological and Agricultural Engineering, Graduate Faculty of the Louisiana State University, USA, 2005.
13. Charcosset C., H. Fessi, Membrane emulsification and microchannel emulsification processes, Rev. Chem. Eng. 21(1) (2005) 1–32.
14. Holtze C.H.W., New influences and applications of microwave-radiation on miniemulsions and their composite polymers, PhD Thesis, Potsdam University, 2005.
15. Jing W.H., J. Wu, W.H. Xing, N.P. Xu, Emulsions prepared by two–stage ceramic membrane jet–flow emulsification, AIChE J. 51(5) (2005) 1339–1345.
16. Lambrich U., H. Schubert, Emulsification using microporous systems, J. Membrane Sci. 257(1–2) (2005) 76–84.
17. Liu R., G.H. Ma, Y.H. Wan, Z.G. Su, Influence of process parameters on the size distribution of PLA microcapsules prepared by combining membrane emulsification technique and double emulsion–solvent evaporation method, Colloids Surfaces B 45 (3–4) (2005) 144–153.
18. Lyklema J. (Ed.), Fundamentals of Interface and Colloid Science, Vol. 5: Soft Colloids, Elsevier, Amsterdam, 2005, p. 165.
19. Rayner M., G. Trägårth, C. Trägårth, The impact of mass transfer and interfacial expansion rate on droplet size in membrane emulsification processes, Colloids Surfaces A 266(1–3) (2005) 1–17.
20. van der Graaf S., C.G.P.H. Schroen, R.M. Boom, Preparation of double emulsions by membrane emulsification – a review, J. Membrane Sci. 251(1–2) (2005) 7–15.
21. van der Graaf S., M.L.J. Steegmans, R.G.M. van der Sman, C.G.P.H. Schroen, R.M. Boom, Droplet formation in a T–shaped microchannel junction: a model system for membrane emulsification, Colloids Surfaces A 266(1–3) (2005) 106–116.
22. Vladisavljević G.T., R.A. Williams, Recent developments in manufacturing emulsions and particulate products using membranes, Adv. Colloid Interface Sci. 113(1) (2005) 1–20.
23. Zhu J., D. Barrow, Analysis of droplet size during crossflow membrane emulsification using stationary and vibrating micromachined silicon nitride membranes, J. Membrane Sci. 261(1–2) (2005) 136–144.
24. Astete C.E., C.M. Sabliov, Synthesis and characterization of PLGA nanoparticles, J. Biomaterials Sci. – Polymer Edition 17(3) (2006) 247–289.
25. Bao D., J. Zheng, Y. Zhao, X. Ma, Q. Yuan, Membrane emulsification technique and its application, Chemistry Bulletin/Huaxue Tongbao 69(4) (2006) 241–246.
26. Cheng Cheng–Tso, Development of novel droplet formation platforms, M.Sc. Thesis, The Department of Engineering Sci., National Cheng Kung University, Tainan, Taiwan, 2006; p. 100.
27. Dickinson E., Structure formation in casein–based gels, foams, and emulsions, Colloids Surfaces A 288(1–3) (2006) 3–11.
28. Geerken M.J., Emulsification with micro–engineering devices, PhD Thesis, Twente University, 2006.

29. Hsiung S.K., C.T. Chen, G.B. Lee, Micro–droplet formation utilizing microfluidic flow focusing and controllable moving–wall chopping techniques, J. Micromechanics and Microengineering 16(11) (2006) 2403–2410.
30. Jing W.H., J. Wu, W.Q. Jin, W.H. Xing, N.P. Xu, Monodispersed W/O emulsion prepared by hydrophilic ceramic membrane emulsification, Desalination 191(1–3) (2006) 219–222.
31. Jorn M., Emulsification with micro–engineered devices, PhD Thesis, University of Twente, 2006.
32. Langevin, D., Oil–water Emulsions, In: Encyclopedia of Surface and Colloid Science, Vol. 6, 2nd Ed., P. Somasundaran, Ed., Taylor & Frances, New York, 2006; p. 4286.
33. Limayem Blouza I., C. Charcosset, S. Sfar, H. Fessi, Preparation and characterization of spironolactone–loaded nanocapsules for paediatric use, Int. J. Pharmaceutics 325(1–2) (2006) 124–131.
34. Li N., D.-F. Chen, Membrane emulsification process and its application, Membrane Science and Technology 26 (4) (2006) 71–77.
35. Sumin L., H. Wang, Y. Ma, Influences of membrane parameters on membrane emulsification, J. Chem. Ind. Eng. 27(2) (2006) 32–37.
36. Tarko T., Predicting the stability of advocaat type EGG liqueurs on a base of selected evaluation indicators, Acta Sci. Pol., Technol. Aliment. 5(1) (2006) 37–45.
37. van der Graaf S., Membrane Emulsification: Droplet Formation and Effects of Interfacial Tension, PhD Thesis, Wageningen University, The Netherland, 2006.
38. van der Graaf S., T. Nisisako, C.G.P.H. Schroën, R.G.M. van der Sman, R.M. Boom, Lattice Boltzmann simulations of droplet formation in a T–shaped microchannel, Langmuir 22(9) (2006) 4144–4152.
39. van der Sman R.G.M., S. van der Graaf, Diffuse interface model of surfactant adsorption onto flat and droplet interfaces, Rheologica Acta 46(1) (2006) 3–11.
40. van der Sman, R.G.M., Latice Boltzmann Simulation of Microstructures, Chapter 2 in Handbook of Food and Bioprocess Modeling Techniques, S.S. Sablani et al. Eds., CRC Press, Boca Raton, 2006; p.15–39.
41. Chen D.-F., N. Li, J. Yang, Experimental study on the preparation of O/W emulsions by SPG membrane emulsification, Airiti Lybrary 27(3) (2007) 10–14.
42. Geerken M.J., R.G.H. Lammertink, M. Wessling, Interfacial aspects of water drop formation at micro–engineered orifices, J. Colloid Interface Sci. 312(2) (2007) 460–469.
43. Geerken M.J., R.G.H. Lammertink, M. Wessling, Tailoring surface properties for controlling droplet formation at microsieve membranes, Colloids Surfaces A 292(2–3) (2007) 224–235.
44. Gu L., X.-M. Li, G.-G. Chen, Appilcation of membrane emulsification technology to particulate delivery systems, Chinese Journal of Pharmaceuticals 38(11) (2007) 814.
45. Kukizaki M., M. Goto, Preparation and characterization of a new asymmetric type of Shirasu porous glass (SPG) membrane used for membrane emulsification, J. Membrane Sci. 299(1–2) (2007) 190–199.
46. Lee C.H., S.K. Hsiung, G.B. Lee, A tunable microflow focusing device utilizing controllable moving walls and its applications for formation of micro–droplets in liquids, J. Micromechanics and Microengineering 17(6) (2007) 1121–1129.
47. Tarko T., T. Tuszynski, Influence of selected additives on colloid stability of alcoholic emulsion creams, Polish Journal of Food and Nutrition Sciences 57(1) (2007) 17–24.
48. Wei F.L., Y.Z. Liu, X.F. Tang, J.R. Hou, X.A. Yue, C.M. Xiong, Gongneng Cailiao/Journal of Functional Materials 38(6) (2007) 961–964.
49. Zimmermann T., Cellulose fibrils in wood cell walls and their potential for technical application, PhD Thesis, University of Hamburg, 2007.
50. Charcosset C., Recent advances in membrane processes for the preparation of emulsion and particles, Biotechnology: Research, Technology and Applications (2008) 253–276.
51. Dragosavac M.M., M.N. Sovilj, S.R. Kosvintsev, R.G. Holdich, G.T. Vladisavljevic, Controled production of oil–in–water emuslions containing unrefined pumpkin seed oil using stirred cell membrane emulsification, J. Membrane Sci. 322 (2008) 178–188.
52. Lepercg–Bost E., M.L. Giorgi, A. Isambert, C. Arnaud, Use of the capillary number for the prediction of droplet size in membrane emulsification, Journal of Membrane Science 314(1–2) (2008) 76–89.
53. Lin Y.–H., C.–H. Lee, G.–B. Lee, Droplet formation utilizing controllable moving–wall structures for double–emulsion applications, Journal of Microelectromechanical Systems 17(3) (2008) 573–581.
54. Sanchez L., E. Lacasa, M. Carmona, J.F. Rodrigues, P. Sanchez, Applying an experimental design to improve the characteristics of microcapsules containing phase change materials for fabric uses, Industrial and Engineering Chemistry Research 47(23) (2008) 9783–9790.
55. Slowicka A.M., Badanie metoda dynamiki molekularnej powstawanie wybranyh nanostructur w emulsjah, PhD Thesis, Instytut Podstawowych Problemów Techniki PAN, Warszawa, 2008.
56. Charcosset C., Preparation of emulsions and particles by membrane emulsification for the food processing industry, Journal of Food Engineering 92(3) (2009) 241–249.

57. Choi, Chang–Hyung; Jung, Jae–Hoon; Hwang, Taek–Sung; Lee, Chang–Soo., Macromolecular Research 17(3) (2009) 163–167.
58. Kukizaki M., M. Goto, A comparative studi of SPG membrane emulsification in the presence and absence of continuous–phase flow, J. Chemical Engineering of Japan 42(7) (2009) 520–530.
59. Kukizaki M., Shirasu porous glass (SPG) membrane emulsification in the absence of shear flow at the membrane surface: Influence of surfactant type and concentration, viscosities of dispersed and continuous phases, and transmembrane pressure, Journal of Membrane Science 327(1–2) (2009) 234–243.
60. Lee C.Y., Y.H. Lin, G.B. Lee, A droplet–based microfluidic system capable of droplet formation and manipulation, Microfluidics and Nanofluidics 6(5) (2009) 599–610.
61. Leperg–Bost T., M.–L. Giorgi, A. Isambert, C. Arnaud, Estimating the risk of coalescence in membrane emulsification, Journal of Membrane Science 357(1–2) (2010) 36–46.
62. Ma L.N., Y.N. Hui, Y.S. Wang, L. Zhang, J.X. Ma., Inhibition of migration but stimulation of proliferation of human retinal pigment epithelial cells cultured with uniform vesicles of silicone oil, Graefe's Archive for Clinical and Experimental Ophthalmology 248(4) (2010) 503–510.
63. Marino H., Phase inversion temperature emulsification: From batch to continuous processes, PhD Thesis, University of Bath, 2010.
64. Sanchez–Silva L., M. Carmona, A. De Lucas, P. Sanchez, J.F. Rodrigues, Scale–up of a suspension–like polymerization process for the microencapsulation of phase change materials, Journal of Microencapsulation 27(7) (2010) 583–593.
65. Zhang C., J. Liu, Y. Bai, J. Gu, Y. Sun, Preparation for emulsified diesel with unltrafiltration membrane, Chemical Industry and Engineering Progress 29(11) (2010) 2066.
66. Boom R.M., C.G.H.P. Schroen, Emulsification with micro-strucured membranes and micro-engineered systems, Progress in Colloid and Interface Science, Vol. 2, 2011, 481–502.
67. Gu Y., H. Kojima, N. Miki, Theoretical analysis of 3D emulsion droplet generation by a device using coaxial glass tubes, Sensors and Actuators, A: Physical 169(2) (2011) 326–332.
68. Aschauer S.J., Kontinuierliche Isobutan/2-Buten Alkylierung in einem Tropfensäulenreaktor unter Verwendung von aciden ionischen Flüssigkeiten als Katalysatoren, PhD Thesis, University of Bayreuth, Faculty of Engineering Science, 2012.
69. Habib M., A.R. Memon, U. Habib, A. Khan, U. Amin, S. Naveed, S. Ali, Energy-Efficient and Environmentally Sound Technique of Emulsification and Phase Inversion for Producing Stable Droplets – Application of Membrane Emulsification to Polymerization: A Review, Pak. J. Anal. Environ. Chem. Vol. 13, No. 2 (2012) 87–102.
70. Hawley B., The Purification and Identification of Interactors to Elucidate Novel Connections in the HEK 293 Cell Line, PhD Thesis, University of Ottawa, Canada, 2012.
71. Liu Q., S. Yuan, H. Yan, X. Zhao, Mechanics of oil detachment from a silica surface in aqueous surfactant solutions: Molecular dynamics simulations, Journal of Physical Chemistry B 116(9) (2012) 2867–2875.
72. Pawlik A.K., I.T. Norton, Encapsulation stability of duplex emilsions prepared with SPG cross-flow membrane, SPG rotating membrane and rotor-stator techniques – a comparison, Journal of Mambrane Science 415–416 (2012) 459–468.
73. Suarez M.A., Emulsificación con membranas: emulsiones monodispersas y parámetros de paso de escala, PhD Thesis, Universidad de Oviedo, 2012.
74. Suarez M.A., J. Coca, C. Pazos, Membrane emulsification: factors influencing the size and distribution of drops, Ingenieria Quimica (Spain) 44(505) (2012) 58–73.
75. Douaire M., Nortion I.T., Designer colloids in structured food for the future, Journal of the Science of Food and Agriculture 93(13) (2013) 3147–3154.
76. Hancocks R.D., F. Spiropoulos, I.T. Norton, Comparisons between membranes for use in corss flow membrane emulsification, Journal of Food Engineering 116(2) (2013) 382–389.
77. Huck Iriart C., Propiedades fisicoquimicas de microemulsiones estabilizadas con caseinato de sodio, PhD Thesis, Facultat de Ciencias Exactas y Naturales, Universidad de Buenos Aires, 2013.
78. Kenta S., V. Raikos, A. Vagena, D. Sevastos, J. Kapolos, A. Koliadima, G. Karaiskakis, Kinetic study of aggregation of milk protein and/or surfactant-stabilized oil-in-water emulsions by Sedimentation Field-Flow Fractionation, Journal of Chromatography A 1305 (2013) 221–229.
79. Matos M., M.A. Suarez, G. Gutierrez, J. Coca, C. Pazos, Emulsification with microfiltraion ceramic membranes: a different approach to droplet formation mechanism, Journal of Membrane Science 444 (2013) 345–358.
80. Pawlik A.K., I.T. Norton, SPG rotating membrane technique for production of food grade emulsions, Journal of Food Engineering 114(4) (2013) 530–537.
81. Pradhan R., D.W. Lee, H.-G. Choi, C.S. Yong, J.O. Kim, Fabrication of a uniformly sized fenofibrate microemulsions by membrane emuslification, Journal of Microencapsulation 30(1) (2013) 42–48.

82. Schmidt J., Damm C., Romeis S., Peukert W., Formation of nanoemulsions in stired media mills, Chemical Engineering Science 102 (2013) 300–308.
83. Suarez M.A., G. Gultierrez, J. Coca, C. Pazos, Stirred tank membrane emulsification using flat metallic membranes: a dimensional studies, Chemial Engineering ans Processing: Process Intensification 69 (2013) 31–43.
84. Bishopp S., A solvent-free alternative for green liquid-liquid biphasic oxidations, PhD Thesis, , University of Bath, 2014.
85. Intarasirisawat R., S. Benjakul, W. Visessanguan, Stability of emulsion containing skipjack roe protein hydrolysate modified by oxidised tannic acid, Food Hydrocolloids 41 (2014) 146–155.
86. Piacentini E., A. Imbrogno, E. Drioli, L. Giorno, Membranes with tailored wettability properties for the generation of uniform emulsion droplets with high efficiency, Journal of Membrane Science 459 (2014) 96–103.
87. Spyropoulos F., D. M. Lloid, R. D. Hancocks, A. K. Pawlik, Advances in membrane emulsification. Part A: Recent developments in processing aspects and microstructural design approaches, Journal of the Science of Food and Agriculture 94(4) (2014) 613–627.
88. Suarez M.A., G. Gutierrez, M. Matos, J. Coca, C. Pazos, Emulsification using tubular metallic membranes, Chemical Engineering and Processing: Process Intensification 81 (2014) 24–34.
89. Sun G., F. Qi, J. Wu, G. Ma, T. Ngai, Preparation of uniform particle-stabillized emulsions using SPG membrane emulsification, Langmuir 30(24) (2014) 7052–7056.
90. Zhang P. Z. Xu, Q. Liu, S. Yuan, Mechanism of oil detachment from hybrid hydrophobic and hydrophilic surface in aqueous solution, Journal of Chemical Physics 140(16) (2014) Art. No. 164702.
91. Dejan C., Physico-chemical properties of mixed micelles of salt of nile acids and nonoinic surfactants, PhD Thesis, University Novi Sad, 2015.
92. Mi Y., W. Zhou, Q. Li, F. Gong, R. Zhang, G. Ma, Z. Su, Preparation of water-in-oil emulsions using a hydrophobic polymer membrane with 3D bicontinuous skeleton structure, Journal of Membrane Science 490 (2015) 113–119.
93. Schmidt J., S. Romeis, C. Konerth, C. Damm, W. Peukert, Formation of nanoemulsions by stirred media milling, Procedia Engineering 102 (2015) 557–564.
94. Benson J.J., L.P. Wackett, A. Aksan, Production of monodisperse silica gel microspheres for bioencapsulation by extrusion into an oil cross-flow, Journal of Microencapsulation 33(5) (2016) 412–420.
95. Bertrandias A., Understanding drop generation mechanisms in transversally vibrating membrane emulsification, PhD Thesis, University Paris-Saclay, 2016.
96. Zhang L., D. Chen, M. Long, H. Chen, Y. Huang, Z. Dong, Study on the fluid flow in a semi-open-stream-poured beam blank continuous casting mold with submerged refractory funnels by multiphase modelling, Metals 6(5) (2016) Art. No. 104.
97. S. Obradovic, Termodinamicka stabilnost binarnih mesovitih micela odabranih homologa iz grupa brij surfaktanata I polisorbata, PhD Thesis, University Novi Sad, 2017.
98. Xu K., T. Liang, P. Zhu, P. Qi, J. Lu, C. Huh, M. Balhoff, A 2.5-D glass micromodel dor investigation of multi-phase flow, Lab on a Chip 17(4) (2017) 640–646.
99. Arouni H., U. Farouq, P. Goswami, N. Kapur, S.J. Russell, Limitations of monoolein in simulating water-in-fuel characteristics of EN590 diesel containing biodiesel in water separation testing, SAE International Journal of Fuels and Lubricants 11(3) (2018) 229–238.
100. Luis P. Membrane contactors, Fundamental Modeling of Membrane Systems: Membrane and Process Performance, (2018) 153–10.
101. Arkoumanis P.G., I.T. Norton, F. Spyropoulos, Pickering particle and emulsifier co-stabilised emulsions produced via rotating membrane emulsification, Colloids and Surfaces A 568 (2019) 481–492.
102. Medina Llmas M., High troughput manufacturing of nanoparticles by membrane emulsification-precipitation processes, PhD Thesis, Department of Chemical Engineering, Bath University, 2018.
103. Obinu A., G. Rassu, P. Corona, M. Maestri, F. Riva, D. Miele, P. Giunchedi, E. Gavini, Poly (ethyl 2-cyanoacrylate) nanoparticles (PECA-NPs) as possible agents in tumor treatment, Colloids and Surfaces B 177 (2019) 520–528.
104. Maleki M., C. de Loubens, K. Xie, E. Talansier, H. Bodiguel, M. Leonetti, Membrane emulsification for the production of suspensions of uniform microcapsules with tunable mechanical properties, 237 (2021) Art. No. 116567.

098 K.D. Danov, D.S. Valkovska, P.A. Kralchevsky, Adsorption relaxation for nonionic surfactants under mixed barrier−diffusion and micellization−diffusion control, J. Colloid Interface Sci. 251 (2002) 18–25. (**Citations: 28**)

1. Joos P., A. Tomoaia−Cotisel, A.J. Sellers, M. Tomoaia−Cotisel, Adsorption kinetics of some carotenoids at the oil/water interface, Colloids Surfaces B 37(3−4) (2004) 83−91.

2. Spyridopoulos M.T., S.J.R. Simons, Effect of natural organic matter on the stability of a liquid film between two colliding bubbles, Colloids Surfaces A 235(1–3) (2004) 25–34.
3. Tomoaia–Cotisel M., P. Joos, Adsorption dynamics with interfacial reaction, Rev. Roumaine de Chimie 49(6) (2004) 539–553.
4. Yang C., Y. Gu, Modeling of the adsorption kinetics of surfactants at the liquid–fluid interface of a pendant drop, Langmuir 20(6) (2004) 2503–2511.
5. Padron G.A., Effect of surfactants on drop size distributions in a batch, rotor–stator mixer, PhD Thesis, University of Maryland, 2005.
6. Rodriguez–Abreu C., H. Kunieda, Equilibrium and dynamic surface tension properties of aqueous solutions of sulfonated cationic–nonionic fluorocarbon surfactants, J. Dispersion Sci. Technology 26(4) (2005) 435–440.
7. Fainerman V.B., V.D. Mys, A.V. Makievski, J.T. Petkov, R. Miller, Dynamic surface tension of micellar solutions in the millisecond and submillisecond time range, J. Colloid Interface Sci. 302(1) (2006) 40–46.
8. Gliere A., C. Delattre, Modeling and fabrication of capillary stop valves for planar microfluidic systems, Sensors and Acutators A – Physical 130–131 (2006) 601–608.
9. Moorkanikkara S.N., D. Blankschtein, Short–time behavior of mixed diffusion–barrier controlled adsorption, J. Colloid Interface Sci. 296(2) (2006) 442–457.
10. Song Q., A. Couzis, P. Somasundaran, C. Maldarelli, A transport model for the adsorption of surfactant from micelle solutions onto a clean air/water interface in the limit of rapid aggregate disassembly relative to diffusion and supporting dynamic tension experiments, Colloids Surfaces A 282–283 (2006) 162–182.
11. Moorkanikkara S.N., Development of novel methodologies to analyze the adsorption kinetics of nonionic surfactants, PhD Thesis, MIT, 2007.
12. Sharma S.C., L.K. Shrestha, K. Aramaki, Foam stability study of dilute aqueous nonionic fluorinated surfactant systems, Journal of Nepal Chemical Society 22 (2007) 47–54.
13. Sharma S.C., L.K. Shrestha, K. Aramaki, Interfacial properties of aqueous nonionic fluorocarbon surfactant solutions, J. Dispersion Sci. Technology 28(4) (2007) 577–581.
14. Yang M.–W., H.–H. Wei, S.–Y. Lin, A theoretical study on surfactant adsorption kinetics: effect of bubble shape on dynamic surface tension, Langmuir 23(25) (2007) 12606–12616.
15. Fainerman V.B., J.T. Petkov, R. Miller, Surface dilational viscoelasticity of $C_{14}EO_8$ micellar solution studied by bubble profile analysis tensiometry, Langmuir 24 (2008) 6447–6452.
16. Picard C., L. Davoust, Transient aging of a liquid–gas interface stretched by standing waves: On the interplay of chemical kinetics, Journal of Colloid and Interface Science 327(2) (2008) 412–425.
17. Shrestha L.K., Y. Matsumoto, K. Ihara, K. Aramaki, Dynamic surface tension and surface dilatational elasticity properties of mixed surfactant/protein systems, J. Oleo Sci. 57(9) (2008) 485–494.
18. Miller, R.; Noskov, B.A.; Fainerman, V.B.; Petkov, J.T., In: Highlights in Colloid Science, D. Platikanov and D. Exerowa (Eds.), Wiley, New York, 2009.
19. Tcholakova S., N.D. Denkov, A. Lips, Comparison of solid particles, globular proteins and surfactants as emulsifiers, Physical Chemistry Chemical Physics 10(12) (2008) 1608–1627.
20. Bhole N.S., F. Huang, C. Maldarelli, Fluorescence visualization and modeling of a micelle–free zone formed at the interface between an oil and an aqueous micellar phase during interfacial surfactant transport, Langmuir 26(20) (2010) 15761–15778.
21. Fainerman V.B., R. Miller, Muximum bubble pressure tensiometry: Theory, analysis of experimental constrains and application, in: Bubble and Drop Interfaces, R. Miller and L. Ligiery, Eds., 2011, Ch. V.
22. Gurkov T., Adsorption kinetics under the influence of barriers at the subsurface layer, Colloid and Polymer Science 289(17–18) (2011) 1905–1915.
23. Song Q., M. Yuan, Visualization of an adsorption model for surfactant transport from micelle solutions to a clean air/water interface using fluorescence microscopy, J. Colloid Interface Sci. 357 (2011) 179–188.
24. Kazemzadeh A., P. Ganesan, F. Ibrahim, S. He, M.J. Madou, The effect of contact angles and capillary dimensions on the burst frequency of super hydrophilic and hydrophilic centrifugal microfluidic platforms, a CFD study, PLoS ONE 8(9) (2013) Art. No. 73002.
25. Choudhury S., S. Batabyal, P.K. Mondal, P. Singh, P. Lemmens, S.K. Pal, Direct observation of kinetics pathways of biomolecular recognition, Chemistry – A European Journal 21(45) (2015) 16172–16177.
26. Iliev O., Z. Lakdawala, K.HJ.L. Nessler, T. Prill, Y. Vutov, Y. Yang, J. Yao, On the pore-scale modeling and simulation of reactive transport in 3D geometries, Mathematical Modelling and Analysis 22(5) (2017) 671–694.
27. Muhamad R., M. Misran, Adsorption kinetics of partially ionized fatty acids at oil/water interface of their monomeric and liposomal solutions, Colloids and Surfaces A 528 (2017) 23–29.

28. Minkov I.L., D. Arabadzhieva, I.E. Salama, E. Mileva, R.I. Slavchov, Barrier kinetics of adsorption-desorption of alcohol monolayers on water under constant surface tension, Soft Matter 15(8) (2019) 1730–1746.

097 K. Danov, R. Danev, K. Nagayama, Reconstruction of the electric charge density in thin films from the contrast transfer function measurements, Ultramicroscopy 90 (2002) 85–95. (**Citations: 12**)

1. van Aken R.H., C.W. Hagen, J.E. Barth, Low–energy foil aberration corrector, Ultramicroscopy 93(3–4) (2002) 321–330.
2. van Aken R.H., Low energy electron beams through ultra-thin foils, applications for electron microscopy, PhD Thesis, Applied Science, TU Delf, The Netherland, 2005.
3. Kruit P., R.H. van Aken, Device with foil corrector for electron optical aberrations at low energy, Patent WO/2004/021391, PCT/NL2003/000612.
4. Wang W.-J., The fabrication of Zernike electrostatic phase plate and its application on the phase TEM, PhD Thesis, National Tsing Hua University, Taywan, 2007.
5. Alloyeau D., W.K. Hsieh, E.H. Anderson, L. Hilken, G. Brenner, X. Meng, F.R. Chen, C. Kisielowski, Imaging of soft and hard materials using a Boersch phase plate in a transmission electron microscope, Ultramicroscopy 110(5) (2010) 563–570.
6. Azaiez M., B. Belgacem, F. Jelassi, The density function reconstruction of surface sources from a single Cauchy measurement, Computers and Fluids 43(1) (2011) 14–22.
7. Malac M., M. Beleggia, M. Kawasaki, P. Li, R.F. Egerton, Cenvenient contrast enhacement by a hole-free phase plate, Ultramicroscopy 118 (2012) 77–89.
8. Malac M., M. Bergen, M. Kawasaki, M. Beleggia, R. Egerton, H. Furukawa, M. Shimizu, Practical hole-free phase plate imaging: Principals, advantages, and pitfalls, Microscopy and Microanalysis 18 (2012) 484–485.
9. Hart J.L., S. Liu, A.C. Lang, A. Hubert, A. Zukaukas, C. Canalias, R. Beanland, A.M. Rappe, M. Arredondo, M.L. Taheri, Electron-beam-induced ferroelectric domain behavior in the trasmition electron microscope: Toward deterministic domain pattering, Physical Review B 94 (2016) Art. No. 174104.
10. Tsai C.-Y., Y.-C. Chang, I. Lobato, D. Van Dyck, F.-R. Chen, Hollow cone electron imaging for single particle 3D reconstruction of proteins, Scientific Reports 6 (2016) Art. No. 27701.
11. Malac M., S. Hettler, M. Hayashida, M. Kawasaki, Y. Konyuba, Y. Okura, H. Iijima, I. Ishikawa, M. Beleggia, Computer simulations analysis for determining the polarity of charge generated by high energy electron irradiation of a thin film, Micron 100 (2017) 10–22.
12. Shiloh R., R. Remez, P.-H. Lu, Jin L., Y. Lereah, A.H. Tavabi, R.E. Tunin-Borkowski, A. Arie, Spherical aberration correction in a scanning transmission electron microscope using a sculpted thin film, Ultramicroscopy 189 (2018) 46–53.

096 D.S. Valkovska, K.D. Danov, I.B. Ivanov, Stability of draining plane–parallel films containing surfactants, Adv. Colloid Interface Sci. 96 (2002) 101–129. (**Citations: 77**)

1. Coons J.E., P.J. Halley, S.A. McGlashan, A review of drainage and spontaneous rupture in free standing thin films with tangentially immobile interfaces, Adv. Colloid Interface Sci. 105(1–3) (2003) 3–62.
2. Neethling S.J., J.J. Cilliers, Modeling flotation froths, Int. J. Miner. Processes 72(1–4) (2003) 267–287.
3. Arditty S., Fabrication, stabilité et propriétés rhéologiques des émulsions stabilisées par des particules colloïdales, PhD Thesis, Université Sciences et Technologies–Bordeaux I, 2004.
4. Leal L.G., Flow induced coalescence of drops in a viscous fluid, Phys. Fluids 16(6) (2004) 1833–1851.
5. Mileva E., B. Radoev, Hydrodynamic interactions and stability of emulsion films, in: D.N. Petsev (Ed.), Emulsions: Structure, Stability and Interactions, Elsevier, London, 2004, p. 215.
6. Neumann B., B. Vincent, R. Krustev, H.–J. Müller, Stability of various silicone oil/water emulsion films as a function of surfactant and salt concentration, Langmuir 20(11) (2004) 4336–4334.
7. Manev E.D., A.V. Nguyen, Critical thickness of microscopic thin liquid films, Adv. Colloid Interface Sci. 114–115 (2005) 133–146.
8. Manev E.D., J.K. Angarska, Critical thickness of thin liquid films: comparison of theory and experiment, Colloids Surfaces A 263(1–3) (2005) 250–257.
9. Narsimhan G., Z.B. Wang, Stability of thin stagnant film on a solid surface with a viscoelastic air–liquid interface, J. Colloid Interface Sci. 291(1) (2005) 296–302.
10. Ravera F., M. Ferrari, E. Santini, L. Liggieri, Influence of surface processes on the dilational visco–elasticity of surfactant solutions, Adv. Colloid Interface Sci. 117(1–3) (2005) 75–100.
11. Bremond N., M. Arora, S.M. Dammer, D. Lohse, Interaction of cavitation bubbles on a wall, Phys. Fluids 18(12) (2006) Art. No. 121505.

12. Gramlich C., G.M. Homsy, Linear stability of an expanding spherical liquid film, Colloids Surfaces A 282–283 (2006) 11–23.
13. Grassia P., S.J. Neethling, C. Cervantes, H.T. Lee, The growth, drainage and bursting of foams, Colloids Surfaces A 274(1–3) (2006) 110–124.
14. Jang S.S., W.A. Goddard III, Structures and properties of newton black films characterized using molecular dynamics simulations, J. Phys. Chem. B 110(15) (2006) 7992–8001.
15. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
16. Narsimhan G., Z. Wang, Rupture of equilibrium foam films due to random thermal and mechanical perturbations, Colloids Surfaces A 282–283 (2006) 24–36.
17. Narsimhan G., Z.B. Wang, Effect of interfacial mobility on rupture of thin stagnant films on a solid surface due to random mechanical perturbations, J. Colloid Interface Sci. 298(1) (2006) 491–496.
18. Wang L., R.–H. Yoon, Role of hydrophobic force in the thinning of foam films containing a nonionic surfactant, Colloids Surfaces A 282–283 (2006) 84–91.
19. Wang L., Surface Forces in Foam Films, PhD Thesis, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, 2006.
20. Anton N., P. Bouriat, Different surface corrugations occurring during drainage of axisymmetric thin liquid films, Langmuir 23(18) (2007) 9213–9220.
21. Arditty S., Fabrication, stability and rheological properties of solid–stabilized emulsions, PhD Thesis, University of Science, Bordeaux, 2007.
22. Baldessari F., G.M. Homsy, L.G. Leal, Linear stability of a draining film squeezed between two approaching droplets, J. Colloid Interface Sci. 307(1) (2007) 188–202.
23. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30 oils, J. Dispersion Sci. Technology 28(3) (2007) 361–369.
24. Krasowska M., K. Malysa, Wetting films in attachment of the colliding bubble, Adv. Colloid Interface Sci. 134–135 (2007) 138–150.
25. Santini E., L. Liggieri, L. Sacca, D. Clausse, F. Ravera, Interfacial rheology of Span 80 adsorbed layers at paraffin oil–water interface and correlation with the corresponding emulsion properties, Colloids Surfaces A 309(1–3) (2007) 270–279.
26. Wang Z., G. Narishman, Rupture of draining foam films due to random pressure fluctuations, Langmuir 23(5) (2007) 2437–2443.
27. Golemanov K., N.D. Denkov, S. Tcholakova, M. Vethamuthu, A. Lips, Surfactant mixtures for control of bubble surface mobility in foam studies, Langmuir 24(18) (2008) 9956–9961.
28. Malysa K., K. Lunkenheimer, Foams under dynamic conditions, Current Opinion in Colloid and Interface Science 13(3) (2008) 150–162.
29. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
30. Simulesku V., J. Angarska, E. Manev, Drainage and critical thickness of foam films from aqueous solutions of mixed nonionic surfactants, Colloids and Surfaces A: Physicochemical and Engineering Aspects 319(1–3) (2008) 21–28.
31. Tcholakova S., N.D. Denkov, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, Theoretical model of viscous friction inside steadily sheared foams and concentrated emulsions, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 78(1) (2008) art. no. 011405.
32. Yoon R.–H., L. Wang, A response to the comment on "hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: Effect of electrolyte", Langmuir 24(9) (2008) 5194–5196.
33. Denkov N.D., S. Tcholakova, K. Golemanov, A. Lips, Jamming in Sheared Foams and Emulsions, Explained by Critical Instability of the Films between Neighboring Bubbles and Drops, Physical Review Letters 103(11) (2009) art. no. 118302.
34. Interfacial Rheology, R. Miller and L. Liggiery Eds., 2009, Ch. 5.
35. Karakashev S.I., V.A. Nguyen, Do liquid films rupture due to the so–called hydrophobic force or migration of dissolved gases? Langmuir 25(6) (2009) 3363–3368.
36. Kaur S., L.G. Leal, Three–dimensional stability of a thin film between two approaching drops, Physics of Fluids 21(7) (2009) art. no. 072101.
37. Kologianni E.P., E.M. Varka, T.D. Karapanstsios, M. Kostoglou, E. Santini, L. Liggieri, F. Ravera, A multi–probe non–intrusive electrical technique for monitoring emulsification of hexane–in–water with the emulsifier C10E5 soluble in both phases, Colloids Surfaces A 354(1–3) (2010) 353–363.
38. Nguyen P.T., A.V. Nguyen, Drainage, rupture, and lifetime of deionized water films: Effect of dissolved gases? Langmuir 26(5) (2010) 3356–3363.

39. Ravera F., G. Loglio, V.I. Kovalchuk, Interfacial dilational rheology by oscillating bubble/drop methods, Current Opinion in Colloid and Interface Science 15(4) (2010) 217–228.
40. Thiam A.R., Emulsions adhesives et non adhesives, PhD Thesis, University Paris VI, 2010.
41. Tsekov R., D.S. Ivanova, R. Slavchov, B. Radoev, E.D. Manev, A.V. Nguyen, S.I. Karakashev, Streaming potential effect on the drainage of thin liquid films stabilized by ionic surfactants, Langmuir 26(7) (2010) 4703–4708.
42. Tzekov R., D Ivanova, R. Slavchov, B. Radoev, E. Manev, A.V. Nguyen, S.I. Karakashev, A new model for kinetics of a drainage of thin liquid films with ionic surfactants, Годишник на Шуменския Университет, 2010.
43. Ангарска Ж., Д. Иванова, К. Щубенраух, Гибсова еластичност и адсорбционни слоеве от смесени разтвори на n-додецил-β-D-малтозид с додеканол, Годишник на Шуменския Университет, 2010.
44. Chan D.Y.C., E. Klaseboer, R. Manica, Film drainage and coalescence between deformable drops and bubbles, Soft Matter 7(6) (2011) 2235–2264.
45. Gambaryan-Roisman T., Dynamics of free liquid flims during formation of polymer foams, Colloids and Surfaces A 382(1-3) (2011) 113–117.
46. Ivanova D.S., Z. Angarska, S.I. Karakashev, E.D. Manev, Drainage of foam films stabilized by n-dodecyl-β-d-maltoside or dodecyl trimethylammonium bromide and their mixtures, Colloid and Surfaces A 382(1–3) (2011) 93–101.
47. Liggieri L., M. Ferrari, F. Ravera, Recent developments in dilatational viscoelasticity of surfactant layers, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 313–344.
48. Pan L., S. Jung, R.-H. Yoon, Effect of hydrophobicity on the stability of the wetting films of water formed on gold surfaces, J. Colloid Interface Scie. 361(1) (2011) 321–330.
49. Samanta S., P. Ghosh, Coalescence of air bubbles in aqueous solutions of alcohols and nonionic surfactants, Chemical Enginnering Science 66(20) (2011) 4824–4837.
50. Yoon R.-H., L. Wang, Hydrophobic forces in foam films, in: Colloid Stability: The Role of Surface Forces, 2011, Ch. 7.
51. Han F., P. Wang, J. Song, Y. Zhou, B. Xu, A surface rheological study of a glusosamide-based trisiloxane gemini surfactant at the air/water interface, Journal of Dispersion Science and Technology 33(12) (2012) 1708–1714.
52. Han F., Y. Chen, Y. Zhou, B. Xu, A surface rheologicla study of silwet L-77 surfactant at the iar-water interface, J. Dispersion Science and Technology 33(3) (2012) 396–402.
53. Pan L., R.-H. Yoon, S. Jung, Kinetics of thinning of wetting films formed on gold surfaces treated with potassium amyl xanthate, Separation Thechnologies for Minerals, Coal, and Earth Resources, International Symposium (2012) 57–64.
54. Wang L., Drainage and rupture of thin goam films in the presence of ionic amd non-ionic surfactants, Int. Journal of Mineral Processing 102–103 (2012) 58–68.
55. Wang L., Inter-bubble attractions in aqueous solutions of flotation frothers, Separation Thechnologies for Minerals, Coal, and Earth Resources, International Symposium (2012) 35–45.
56. Gerasimova A., J.K. Angarska, K.D. Tachev, G.P. Yampolskaya, Drainage and critical thickness of foam films from mixed solutions of bovine serum albumin and n-dodecyl-β-D-maltose, Colloid Surfaces A 438 (2013) 4–12.
57. Ivanova D.S., J.K. Angarska, Drainage and critical thickness of foam films stabilized by n-dodecyl-β-D-maltose, Colloid Surfaces A 438 (2013) 93–103.
58. Sett S., S. Sinha-Ray, A.L. Yarin, Gravitational drainage of foam films, Langmuir 29(16) (2013) 4934–4947.
59. Vitasari D., P. Grassia, P. Martin, Surfactant transport onto a foam lamella, Chemical Engineerigng Science 102 (2013) 405–423.
60. Manica R., M.H.V. Hendrix, R. Gupta, E. Klaseboer, C.-D. Ohl, D.Y.C. Chan, Modelling bubble rise and interaction with a glass surface, Applied Mathematical Modelling 38(17–18) (2014) 4249–4261.
61. Rio E., A.-L. Biance, Thermodynamic and mechanical timescales involved in foam film rupture and liquid foam coalescence, ChemPhysChem 15(17) (2014) 3692–3707.
62. Shahalami S., Study of non-equilibrium interactions between an air bubble and a hydrophilic/hydrophobic solid surface with the non-linearized Stokes-Reynolds-Young-Laplace model (NSRYL model), PhD Thesis, University of Alberta, 2014.
63. Vitasary D., P. Grassia, P. Martin, Surfactant adsorption and transport onto a foam lamella in a foam fractionation column with reflux, Proceedings of the First International Conference on Engineering Technology and Applications, 2014.
64. Leman M., Microfluidique en gouttes a l’echelle femtolitrique, PhD Thesis, University Pier and Marie Coutie, Paris, 2015.

65. Wang L., Modeling of bubble coalescence in saline water in the presence of flotation frothers, International Journal of Mineral Processing 134 (2015) 41–49.
66. Chock B.P., T.B. Jones, D.R. Harding, Effect of a surfactant on the electric-field assembly of oil-water emulsions for making foam targets, Fusion Science and Technology 70(2) (2016) 206–218.
67. Zawala J., D. Kosior, T. Dabros, K. Malysa, Influence of bubble surface mobility on collision kinetics and attachment to hydrophobic solids, Colloids and Surfaces A 505 (2016) 47–55.
68. Wang L., Prediction of the critical rupture thickness of foam films formed from saline water in the presence of flotation frothers, IMPC 2016, Art. No. 135047.
69. Bournival G., S. Ata, G.J. Jameson, Bubble and froth stailizing agents in rfoth flotation, Mineral Processing and Extractive Metallurgy Review 38(6) (2017) 366–387.
70. Jin Q., Z. Cai, X. Li, M.P. Yadav, H. Zhang, Comparative viscoelasticity studies: Corn fiber gum versus commercial polysaccharide emulsifier in bulk and at air/liquid interfaces, Food Hydrocolloids 64 (2017) 85–98.
71. Yuan Y., X. Li, J. Tu, Effects of spontaneous nanoparticle adsorption on the bubble-liquid and bubble-bubble interactions in multi-dispersed bubbly systems – A review, International Journal of Heat and Mass Transfer 120 (2018) 552–567.
72. Rivera J.L., J.F. Douglas, Influence of film thickness on the stability of free-standing Lenard-Jones fluid films, Journal of Chemical Physics 150(14) (2019) Art. No. 144705.
73. Zawala J., K. Malysa, P.B. Kowalczuk, On importance of external conditions and properties of the interacting phases in formation and stability of symmetrical and unsymmetrical liquid films, Advances in Colloid and Interface Science 276 (2020) Art. No. 102085.
74. Chatzigiannakis E., J. Vermant, Breakup of thin liquid films: From stochastic to deterministic, Physical Review Letters 125 (2020) Art. No. 158001.
75. Chatzigiannakis E., P. Veenstra, D. Ten Bosch, J. Vermant, Mimicking coalescence using a pressure-controled dynamic thin film balance, Soft Matter 16 (2020) 9410–9422.
76. Janssen F., A.G.B. Wouters, E. Chatzigiannakis, J.A. Delcour, J. Vermant, Thin film drainage dynamics of wheat and rye dough liquors and oat batter liquor, Food Hydrocolloids 116 (2021) Art. No. 106624.
77. Chatzigiannakis E., J. Vermant, Dynamic stabilization during the drainage of thin film polymer solutions, Soft Matter 17 (2021) Art. No. 4790–4803.

095 K.D. Danov, B. Pouligny, P.A. Kralchevsky, Capillary forces between colloidal particles confined in a liquid film: the finite–meniscus problem, Langmuir 17 (2001) 6599–6609. (**Citations: 41**)

1. Bowden N.D., A.W. Terfort, K.D. Carbeck, G.M. Whitesides, Self-assemnly of mesoscale objects, US Patent and Trademark Office Granted Patent, January 2003.
2. Foret L., A. Wurger, Electric–field induced capillary interaction of charged particles at a polar interface, Phys. Rev. Lett. 92(5) (2004) 0583021–0583024.
3. Stancik E.J., G.G. Fuller, Connect the drops: using solids as adhesives for liquids, Langmuir 20(12) (2004) 4805–4808.
4. Stancik E.J., M. Kouhkan, G.G. Fuller, Coalescence of particle–laden fluid interfaces, Lagmuir 20(1) (2004) 90–94.
5. Fiegel J., F. Jin, J. Hanes, K. Stebe, Wetting of a particle in a thin film, J. Colloid Interface Sci. 291(2) (2005) 507–514.
6. Hong S.–H., J.H. Moon, J.–M. Lim, S.–H. Kim, S.–M. Yang, Fabrication of spherical colloidal crystals using electrospray, Langmuir 21(23) (2005) 10416–10421.
7. Li T., R.B. Xing, W.H, Huang, Y.C. Han, A self–assembly approach to fabricate the patterned colloidal crystals with a tunable structure, Colloids Surfaces A 269(1–3) (2005) 22–27.
8. Camahan D.L., Apparatus and method for nanoscale pattern generation, US Patent and Trademark Office Granted Patent, March 2006.
9. Gracias D.H., J. Tien, G.M. Whitesides, Self-assembled electrical networks, US Patent and Trademark Office Granted Patent, March 2006.
10. Kaptay G., On the equation of the maximum capillary pressure induced by solid particles to stabilize emulsions and foams and on the emulsion stability diagrams, Colloids Surfaces A 282–283 (2006) 387–401.
11. Shinto H., D. Komiyama, K. Higashitani, Lateral capillary forces between solid bodies on liquid surface: a lattice Boltzmann study, Langmuir 22(5) (2006) 2058–2064.
12. Tcholakova S., N.D. Denkov, I.B. Ivanov, B. Campbell, Coalescence stability of emulsions containing globular milk proteins, Adv. Colloid Interface Sci. 123–126 (2006) 259–293.

13. Velikov K.P., O.D. Velev, Novel materials derived from particles assembled at liquid interfaces, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 225–297.
14. Jarai–Szabo F., Z. Neda, S. Astilean, C. Farcau, A. Kuttesch, Shake–induced order in nanosphere systems, Europ. Phys. J. E 23(2) (2007) 153–159.
15. Shinto H., D. Komiyama, K. Higashitani, Lattice Boltzmann study of capillary forces between cylindrical particles, Advanced Powder Technology 18(6) (2007) 643–662.
16. Yu Y., M. Guo, X. Li, Q.–S. Zheng, Meniscus–climbing behavior and its minimum free–energy mechanism, Langmuir 23(21) (2007) 10546–10550.
17. Colloidal particles at liquid interfaces, Editorial, PCCP 9 (2007) 6298–6299.
18. Deng Y., C. Liu, J. Liu, F. Zhang, T. Yu, F. Zhang, D. Gu, D. Zhao, A novel approach to the construction of 3–D ordered macrostructures with polyhedral particles, Journal of Materials Chemistry 18(4) (2008) 408–415.
19. Helseth L.E., T.H. Johansen, T.M. Fischer, Manipulation of paramagnetic particles using a nanoscale asymmetric magnetic potential, Applied Physics Letters 93(4) (2008) art. no. 042516.
20. Hunter T.N., R.J. Pugh, G.V. Franks, G.J. Jameson, The role of particles in stabilising foams and emulsions, Advances in Colloid and Interface Science 137(2) (2008) 57–81.
21. Di Leonardo R., F. Ianni, F. Saglimbeni, G. Ruocco, S. Keen, J. Leach, M. Padgett, Optical trapping studies of colloidal interactions in liquid films, Colloids and Surfaces A: Physicochemical and Engineering Aspects 343(1–3) (2009) 133–136.
22. Kaptay G., G. Vermes, Interfacial forces: classification, in: Encyclopedia of Surface and Colloid Science, 2009.
23. Rivera T.P., Convective capillary force assembly of colloids: plasmonic applications, PhD Thesis, Grenoble University, 2009.
24. Schumann S., S.A.F. Bon, R.A. Hatton, T.S. Jones, Open–cellular organic semiconductor thin films by vertical co–deposition using sub–100 nm nanosphere templates, Chemical Communications 42 (2009) 6478–6480.
25. Camahan D.L., Apparatus and method for nanoscale pattern generation, US Patent and Trademark Office Granted Patent, July 2010.
26. Ge J., Y. Yin, Responsive photonic crystals, Angewadnte Chemie – International Edition 50(7) (2011) 1492–1522.
27. Jia L., M.A. Ray, Method of transfering patterned non-densely packed interfacial particle films onto substrates, US Patent and Trademark Office Granted Patent, May 2011.
28. Kang W.-L., D.-Q. Gao, Y.-L. Liu, F.-W. Meng, H.-M. Fan, Progress of the research work with respect to solid particles – stabilized emulsions, China Surfactant Detergent and Cosmetics 41(4) (2011) 281–284.
29. Schuman S., Interface modification in organic and hybrid photovoltaics, PhD Thesis, University of Warwick, 2011.
30. Diao Y.Y., X.Y. Liu, Controlled colloidal assembly: experimental modeling of general crystallization and biomimicking of structural color, Advanced Functional Materials 22(7) (2012) 1354–1375.
31. Jiang S., S. Granick, Janus balance and emulsions stabilized by Janus particles, in: Janus Particles Synthesis, Self-Assembly, and Applications, RSC 2012, Ch. 11.
32. Kao J.C.T., A.E. Hosoi, Spinodal decomposition in particle-laden Landau-Levich flow, Physics of Fluids 24(4) (2012) Art. 041701.
33. Liu X.Y., Y.Y. Diao, Modeling of biomineralization and structural color biomimetics by controlled collidal assembly, Bioinspiration, Biological and Medical Physics, Biomedical Engineering, 2012, Ch. 7.
34. Pavan M.J., E. Ploshnik, R. Shenhar, Nanoparticle assembly on topographical polymer templates: effects of spine rate, nanoparticle size, ligand, and concentration, Journal of Physical Chemistry B 116(47) (2012) 13922–13931.
35. Archer J., M. Kolwas, G. Derkachov, M. Woniak, D. Jakubczyk, K. Kolwas, Optical diagnostics of surfaces of single evaporating liquid microdroplet of solutions and suspensions, Proceedings of SPIE vol 9884 (2016) Art. No. 988427.
36. Stannarius R., K. Harth, Inclusions in freely suspended smetic films, in: Liquid Crystals with Nano and Microparticles, Vol. 1-2, 2016, 361–413.
37. Fedorenko V., M. Bechelany, J.-M. Janot, V. Smyntyna, S. Balme, Large-scale protein/antibody pattering with limiting unspecific adsorption, Journal of Nanoparticle Research 19 (2017) Art. No. 351.
38. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologists, Advances in Colloid and Interface Science 246 (2017) 217–274.

39. Shen Y., W.G. Borghard, M.S. Tamassone, Discrete element method simulations and experiments of dry catalyst impregnation for spherical and cylindrical particles in a double cone blender, Powder Technology 318 (2017) 23–32.
40. Jiang J., J. Gao, H. Zhang, W. He, J. Zhang, D. Daniel, X. Yao, Directional pumping of water and oil microdroplets on slippery surface, PNAS 116(7) (2019) 2482–2487.
41. Correia E.L., N. Brown, S. Razavi, Janus particles at fluid interfaces: Stability and interfacial rheology, Nanomaterials 11 (2021) Art. No. 374.

094 K.D. Danov, B. Pouligny, M.I. Angelova, P.A. Kralchevsky, Strong capillary attraction between spherical inclusions in a multilayered lipid membrane, Studies in Surface Science and Catalysis 132 (2001) 519–524. (**Citations: 1**)

1. Jeridi H., M. Tasinkevich, T. Othman, C. Blanc, Colloidal particles in thin nemtic films, Langmuir 32(35) (2016) 9097–9107.

093 P.A. Kralchevsky, N.D. Denkov, K.D. Danov, Particles with an undulated contact line at a fluid interface: interaction between capillary quadrupoles and rheology of particulate monolayers, Langmuir 17 (2001) 7694–7705. (**Citations: 102**)

1. Coletti B., S. Vantilt, B. Blanpain, Observation of calcium aluminate inclusions at interfaces between Ca–treated, Al–killed steels and slags, Metall. Mater Trans. B 34(5) (2003) 533–538.
2. Moncho–Jorda A., F. Martinez–Lopez, M.A. Cabrerizo–Vilchez, R. Hidalgo–Alvarez, in: E. Matijevic, M. Borkovec (Eds.), Surface and Colloid Science, Volume 17, Springer, New York, 2004.
3. Horozov T.S., B.P. Binks, Particle behaviour at horizontal and vertical fluid interfaces, Colloids Surfaces A 267(1–3) (2005) 64–73.
4. Horozov T.S., R. Aveyard, B.P. Binks, J.H. Clint, Structure and stability of silica particle monolayers at horizontal and vertical octane–water interfaces, Langmuir 21(16) (2005) 7405–7412.
5. Loudet J.C., A.M. Alsayed, J. Zhang, A.G. Yodh, Capillary interactions between anisotropic colloidal particles, Phys. Rev. Lett. 94(1) (2005) 1–4.
6. Stancik E.J., M. Kouhkan, G.G. Fuller, Coalescence of particle–laden fluid interfaces, Lagmuir 20(1) (2004) 90–94.
7. van Nierop E.A., M.A. Stijnman, S. Hilgenfeldt, Shape–induced capillary interactions of colloidal particles, Europhysics Letters 72(4) (2005) 671–677.
8. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Capillary forces between spherical particles floating at a liquid–liquid interface, Langmuir 21(24) (2005) 11190–11200.
9. Binks B.P., T.S. Horozov, Colloidal particles at liquid interfaces: an introduction, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 1–76.
10. Bordacs S., A. Agod, Z. Horvolgyi, Compression of Langmuir films composed of fine particles: collapse mechanism and wettability, Langmuir 22(16) (2006) 6944–6950.
11. Fernández–Toledano J.C., A. Moncho–Jordá, F. Martínez–López, R. Hidalgo–Álvarez, R., Theory for interactions between particles in monolayers, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Particles at Liquid Interfaces, Cambridge University Press, Cambridge, UK, 2006, pp. 108–151.
12. Horozov T.S., B.P. Binks, R. Aveyard, J.H. Clint, Effect of particle hydrophobicity on the formation and collapse of fumed silica particle monolayers at the oil–water interface, Colloids Surfaces A 282–283 (2006) 377–386.
13. Vassileva N.D., Behavior of Two–Dimensional Aggregates in Shear Flow, PhD Thesis, Group of Complex Fluids, University of Twente, The Netherlands, August 2006.
14. Zeng C., H. Bissig, A.D. Dinsmore, Particles on droplets: from fundamental physics to novel materials, Solid State Communications 139(11–12) (2006) 547–556.
15. Drago C., R. Lipscomb, T. Quach, K. Staley, Self-assembly of uncooked noodles, 2007.
16. Forny L., I. Pezron, K. Saleh, P. Guigon, L. Komunjer, Storing water in powder form by self–assembling hydrophobic silica nanoparticles, Powder Technology 171(1) (2007) 15–24.
17. Klechkovskaya V.V., L.G. Yanosova, G.I. Ivakin, Arkharova N.A., Gaynutdinov R.V., Stepina N.D., Orekhov A.S., Volkov V.V., Study of the process of PbS nanocrystal formation in lead stearate and behenate Lanfmuir–Blodgett films by electron diffraction and x–ray reflectometry, Jorunal of Surface Investigation 1(3) (2007) 312–317.
18. Safouane M., D. Langevin, B.P. Binks, Effect of particle hydrophobicity on the properties of silica particle layers at the air–water interface, Langmuir 23(23) (2007) 11546–11553.

19. Aubry N., P. Singh, Electrostatic forces on particles floating within the interface between two immiscible fluids, ASME International Mechanical Engineering Congress and Exposition, Proceedings 8B (2008) 1969–1976.
20. Dominigues A., M. Ottel, S. Dietrich, Force balance of particles trapped at fluid interfaces, Journal of Chemical Physics 128 (11) (2008) art. no. 114904.
21. Gao B., T.S. Steenhuis, Y. Zevi, V.L. Morales, J.L Nieber, B.K. Richards, J.F. McCarthy, J. –Y. Parlange, Capillary retention of colloids in unsaturated porous media, Water Resources Research 44(4) (2008) art. no. W04504.
22. Hunter T.N., R.J. Pugh, G.V. Franks, G.J. Jameson, The role of particles in stabilising foams and emulsions, Advances in Colloid and Interface Science 137(2) (2008) 57–81.
23. Lewandowski E.P., Direct assembly of complex shaped particles at fluid interfaces, PhD Thesis, John Hopkins University, Baltimore, 2008.
24. Lewandowski E.P., J.A. Bernate, P.C. Searson, K.J. Stebe, Rotation and alignment of anisotropic particles on nonplanar interfaces, Langmuir 24(17) (2008) 9302–9307.
25. Thareja P., S. Valenkar, Rheology of immiscible blends with particle–induced drop clusters, Rheologica Acta 47(2) (2008) 189–200.
26. Thareja P., Study of particles at fluid–fluid interfaces, PhD Thesis, Swanson Scool of Enginnering, University of Pitsburgh, 2008.
27. Toledano J.C.F., Interactions, structure and kinetic properties of colloidal monolayers, PhD Thesis, Department of Applied Physics, Granada University, Spain, 2008.
28. Xu T., M. Jin, Z. Xie, Z. Jiang, Q. Kuanng, H. Wu., R. Huang, L. Zheng, Tension of liquid interfaces: A general filter for the separation of micro-/nanoparticles, Langmuir 24(6) (2008) 2281–2283.
29. Cheng H.-L., Spreading and jamming phenomena of particle-laden interfaces, PhD Thesis, Scool of Emgineering, University of Pittsburgh, USA, 2009.
30. Kurella A.K., A.N. Samant, N.B. Dahotre, Laser surface multilevel self–assembly of CaP–TiO2 particles, J. Applied Physiscs 105(1) (2009) Pap. No. 014913.
31. Kurella A.K., Laser induced hierarchical coating, PhD Thesis, University of Tennessee, 2009.
32. Lewandowski E.P., J.A. Bernate, A. Tseng, P.C. Searson, K.J. Stebe, Oriented assembly of anisotropic particles by capillary interactions, Soft Matter 5(4) (2009) 886–890.
33. Ma H., L.L Dai, Structure of multi–component colloidal lattices at oil–water interfaces, Langmuir 25(19) (2009) 11210–11215.
34. Zevi Y., Dathe A., B. Gao, W. Zhang, B.K. Richards, T.S. Steenhuis, Transport and retention of colloidal particles in partially saturated porous media: Effect of ionic strength, Water Resources Research 45(12) (2009) art. no. W12403.
35. Lewandowski E.P., M. Cavallaro, L. Botto, J.C. Bernate, V. Garbin, K.J. Stebe, Orientation and Self–Assembly of Cylindrical Particles by Anisotropic Capillary Interactions, Langmuir 26(19) (2010) 15142–15154.
36. Ma H., B. Perea, L.L. Dai, Study of two–component colloidal particles at air/water interfaces using Langmuir–Blodgett techniques, Colooid Surfaces A Physical and Engineering Apsects 372(1–3) (2010) 61–65.
37. Ma H., L.L. Dai, Structure of multi–component colloidal lattices at oil–water interfaces, 2010 AIChE Annual Meeting, 10AIChE; Salt Lake City, UT; 7 November 2010 through 12 November 2010; Code 83459.
38. Perea B., H. Mai, L.L. Dai, Study of two–component colloidal particles at air/water interfaces using Langmuir–Blodgett techniques, 2010 AIChE Annual Meeting, 10AIChE; Salt Lake City, UT; 7 November 2010 through 12 November 2010; Code 83459.
39. Tran D.N.H., C.P. Whitby, D. Fornasiero, J. Ralston, Selective separation of very fine particles at a planar air–water interface, Int. Journal of Mineral Processing 94(1–2) (2010) 35–42.
40. Xu H., J. Kirkwood, M. Lask, G. Fuller, Charge interaction between particle–laden fluid interfaces, Langmuir 26(5) (2010) 3160–3164.
41. Brugarolas T., B.J. Park, M.H. Lee, D., Lee, Generation of amphiphilic Janus bubbles and their behavior at an air-water interface, Advanced Functional Materials 21(20) (2011) 3924–3931.
42. Gharby M.A., Comportement de colloides pieges aux interfaces de nematiques, PhD Thesis, Soft Condensed Matter. Université Montpellier II - Sciences et Techniques du Languedoc, 2011.
43. Janjua M., S. Nudurupati, P. Singh, N. Aubry, Electric field–induced self–assembly of micro– and nanoparticles of various shapes at two–fluid interfaces, Electrophoresis 32(5) (2011) 518–526.
44. Law A.D., T.S. Horozov, D.M.A. Buzza, The structure and melting transition of two dimensional alloys, Soft Matter 7(19) (2011) 8923–8931.

45. Loudet J.C., B. Pouligny, How do mosquito eggs self-assemble on the water surface? European Physical Journal E 34(8) (2011) Art, No. 76.
46. Ma H., L.L. Dai, Particle laden emulsions, in: Encyclopedia of Surface and colloid Science, 2011.
47. Zeng C., Capillary interactions among microparticles and nanoparticles at fluid interfaces, PhD Thesis, University of Massachusetts, 2011.
48. Botto L., L. Yao, R.L. Leheny, K.J. Stebe, Capillary bond between rod-like particles and the micromechanics of particle-laden interfaces, Soft Matter 8(18) (2012) 4971–4979.
49. Botto L., E.P. Lewandowski, M. Cavallaro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
50. McBride S.P., Surface Science Experiments Involving the Atomic Force Microscope, PhD Thesis, Kansas State University, 2012.
51. Varshney A., A. Sane, S. Ghosh, S. Bhattacharya, Amorphous to amorphous transition in particle rafts, Physical Review E 86(3) (2012) Art. No. 031402.
52. Abkarian M., S. Protiere, J.M. Aristoff, H.A. Stone, Gravity-induced encapsulation of liquids by destavilization of granular rafts, Nature Communicaitons 4 (2013) Art. No. 1895.
53. Chatterjee N., Capillaruy forces on sediment particles, PhD Thesis, Wasington State University, 2013.
54. Chatterjee N., M. Flury, Effect of particle shape on capillary forces acting on particles at the air-water interface, Langmuir 29(25) (2013) 7903–7911.
55. Kumar A., B.J. Park, F. Tu, D. Lee, Amphiphilic Janis particles at fluid interfaces, Soft Matter 9(29) (2013) 6604–6617.
56. Mihiretie B., Mechanical effect of light on anisotropic micron-sized particles and their wetting dynamics at the water-air interface, PhD Thesis, Bordeaux University, 2013.
57. Puretskiy N., Design of self-repaired superhydrophobic and switchable surfaces using colloidal particles, PhD Thesis, Technical University, Dresden, 2013.
58. Thiruvengadathan R., V. Korampalli, A. Ghosh, N. Chanda, K. Gangopadhyay, S. Gangopadhyay, Nanomaterial processing using self-assembly-bottom-up chemical and biological approaches, Reports on Progress in Physics 76(6) (2013) Art. No. 066501.
59. Tu F., B.J. Park, D. Lee, Thermodynamically stable emulsions using Janus dumbells as colloid surfactants, Langmuir 29(41) (2013) 12679–12687.
60. Van Hooghten R., L. Imperiali, V. Boeckx, R. Sharma, J. Vermant, Rough nanoparticles at the air-water interfaces: their structure, rheology and applications, Soft Matter 9(45) (2013) 10791–10798.
61. Zang D., Z. Chen, Y. Zhang, K. Lin, X. Geng, B.P. Binks, Effect of particle hydrophobicity on the properties of liquid water marbels, Soft Matter 9(20) (2013) 5067–5073.
62. Brufau T.B., Nanopaticle-shelled bubbles for leightweight materials, PhD Thesis, Pensilvania University, 2014.
63. Bykov A.G., B.A. Noskov, G. Loglio, V.V. Lyadinskaya, R. Miller, dilatational surface elasticity of spread monolayers of polystyrene microparticles, Soft Matter 10 (2014) 6499–6505.
64. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
65. Davies G.B., L. Botto, Dipolar capillary interaction between tilted ellipsoidal particles adsorbed at fluid-fluid interfaces, Soft Matter 11(40) (2015) 7969–7976.
66. Deshmukh O., D. van den Ende, M.C. Stuart, F. Mugele, M.H.G. Duits, Hard and soft colloids at fluid interfaces: Adsorption, interactions, assembly, and rheology, Advances in Colloid and Interface Science 222 (2015) 215–227.
67. Sun X., Y. Chen, N. Wu, C.S. Kang, H.A. Song, S. Jin, Y. Fu, H. Bryant, J.A. Frank, H.-S. Chong, Application of aziridinium ring opening for preparation of optically active diamine and triamine analogues: highly efficient synthesis and evaluation of DTPA-based MRI contrast enhancement agents, RSC Advances 5 (2015) 94571–94581.
68. Syngouna V.I., C.V. Chrysikopoulus, Experimental investigation of virus and clay particles cotransport in partially saturated columns packed with gas beads, J. Colloid Interface Sci. 440 (2015) 140–150.
69. Tu F., Emulsion stabilization with Janus particles, PhD Thesis, Pensilvania University, 2015.
70. Barman S., G.F. Christopher, Role of capillarity and microstructure on the interfacial viscoelasticity of particle laden interfaces, Journal of Rheology 60(1) (2016) 35–45.
71. Blanko E., S.K. Smoukov, O.D. Velev, K.P. Velikov, Organic-inorganick patchy particles as a versatile platform for fluid-in-fluid dispersion stabilization, Faraday Discussions 191 (2016) 73–88.
72. Chen Min, The role of casein micelles and their aggregates in foam stabilization, PhD Thesis, Wageningen University, 2016.
73. Ghosh S.K., A.G. Cherstvy, E.P. Petrov, P. Metzler, Interactions of rod-like particles on responsive elastic sheet, Soft Matter 12(38) (2016) 7908–7919.

74. Hausmann R., Effective field theory of particle interactions mediated by fluid surfaces, PhD Thesis, Carnegie Mellon University, 2016.
75. Kozina A., S. Ramos, P. Diaz-Leyva, R. Castillo, Out-of-equilibrium assembly of colloidal particles at air/water interface tuned by their chemical modification, Journal of Physical Chemistry C 120(30) (2016) 16879–16886.
76. Kwok M.-H., T. Ngai, Responsive particle stabilized emulsions: Formation and applications, RSC Smart Materials 20 (2016) 91–138.
77. Sun X., Y. Chen, J. Zhao, Highly stable aqueous foams generated by fumed silica particles hydrophobised in situ with a quaternary ammonium gemini surfactant, RSC Advances 6(45) (2016) 38913–38918.
78. Wang A., R. McGorty, D.M. Kaz, V.N. Manoharan, Contact-line pinning controls how quickly colloidal particles equilibrate with liquid interfaces, Soft Matter 12(43) (2016) 89588967.
79. Wang A., Out-of-equilibrium dynamics of colloidal particles at interfaces, PhD Thesis, Harvard University, 2016.
80. Zanini N., L. Isa, Particle contact angles at fluid interfaces: Pushing the boundary beyond hard uniform spherical colloids, Journal of Physics Condensed Matter 28(31) (2016) Art. No. 313002.
81. Huang S., K. Gawlitza, R. Von Klitzing, W. Steffen, G.K. Aurenhammer, Structure and rheology of microgel monolayers at the water/oil interface, Macromolecules 50(9) (2017) 3680–3689.
82. Jeridi H., Comportements collo¨idaux dans des films minces de cristaux liquids, PhD Thesis, niversit´e de Tunis El Manar, Fran¸cais, 2017.
83. Kang D.W., M. Lee, K.H. Kim, M. Xia, S.H. Im, B.J. Park, Electrostatic interactions between particles through heterogeneous fluid phases, Soft Matter 13 (2017) 6647–6658.
84. Longbottom B.W., B. Somuncouglu, J.J. Punter, S. Longbottom, S.A.F. Bon, Roughening up polymer microspheres and their diffusion in a liquid, Soft Matter 13 (2017) 4285–4293.
85. Lotito V., T. Zambelli, Approaches to self-assembly of colloidal monolayers: A guide for nanotechnologies, Advances in Colloid and Interface Science 246 (2017) 217–274.
86. Luo A.M., Rheology and thermodynamics of particle-stabilized fluid interfaces, PhD Thesis, Eth Zurich, 2017.
87. Wang A., W.B. Rogers, V.N. Manoharan, Effects of contact line pinning on the adsorption of nonspherical colloids at liquid interfaces, Physical Review Letters 119 (2017) Art. No. 108004.
88. Zanini N., C. Marshelke, S. Anachkov, E. Marini, A. Synytska, L. Isa, Universal emulsion stabilization from the arrested adsorption of rough particles at liquid-liquid interfaces, Nature Communications 8 (2017) Art. No. 15701.
89. Zanini N., C.-P. Hsu, T. Magrini, E. Marini, L. Isa, Fabrication of rough colloids by heteroaggregation, Colloids and Surfaces A 532 (2017) 116–124.
90. Chen M., G. Sala, H.J.F. van Valenberg, A.C.M. van Hooijdonk, E. van der Linden, M.B.J. Meinders, Foam and thin films of hydrophiphilic silica particles modified by β-casein, Journal of Colloid and Interface Science 513 (2018) 357–366.
91. He W., Measured capillary forces on spheres at liquid interfaces and the mechanisms of particulate assemblies, PhD Thesis, University of Massachusetts, 2018.
92. Lee T.J., C.F. Lewallen, D.J. Bumbarger, P.J. Yunker, R.C. Reid, C.R. Forest, Transport and trapping of nanosheets via hydrodynamic forces and curvature-induced capillary quadrupolar interactions, Journal of Colloid and Interface Science 531 (2018) 352–359.
93. Planchette C., E. Lorenceau, A.-L. Biance, Rupture of granual rafts: Effects of particle mobility and polydispersity, Soft Matter 14(31) (2018) 6419–6430.
94. Yang X., A. Mayer, G. Bournival, R. Pugh, S. Ata, Experimental technique to study the interaction between a bubble and particle-laden interface, Frontiers in Chemistry 6 (2018) 348.
95. Zanini N., I. Lesov, E. Marini, C.-P. Hsu, C. Marshcelke, A. Synytska, S.E. Anachkov, L. Isa, Detachment of rough colloids from liquid-liquid interfaces, Langmuir 34(16) (2018) 4861–4873.
96. Rahman S.E., N. Laal-Dehghani, S. Barman, G.F. Christopher, Modifying interfacial interparticle forces to alter microstructure and viscoelasticity of densely packed particle laden interfaces, Journal of Colloid and Interface Science 536 (2019) 30–41.
97. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
98. Forth J., P.Y. Kim, G. Xie, X. Liu, B.A. Helms, T.P. Russell, Building reconfigurable devices using complex liquid-fluid interfaces, Advances Materials 31 (2019) Art. No. 1806370.
99. Jia Y., R. Huang, Y. Lan, Y. Ren, H. Jiang, D. Lee, Reversible aggregation and dispersion of particles at a liquid–liquid interface using space charge injection, Advanced Materials Interfaces 6 (2019) Art. No. 1801920.

100. Ji X., X. Wang, Y. Zhang, D. Zang, Interfacial viscoelasticity and jamming of colloidal particles at fluid-fluid interfaces: A review, Reports on Progress in Physics 82 (2020) Art. No. 126601.
101. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.
102. Barakat J.M., T.M. Squires, Capillary force on an 'inert' colloid: A physical analogy to dielectrophoresis, Soft Matter 17 (2021) 3417–3442.

092 G. Brenn, D. Valkovska, K.D. Danov, The formation of satellite droplets by unstable binary drop collisions, Phys. Fluids 13(9) (2001) 2463–2477. (**Citations: 107**)

1. Willis K., M. Orme, Binary droplet collisions in a vacuum environment: an experimental investigation of the role of viscosity, Experiments in Fluids 34(1) (2003) 28–41.
2. Roisman I.V., Dynamics of inertia dominated binary drop collisions, Phys. Fluids 16(9) (2004) 3438–3449.
3. Verdurmen R.E.M., P. Menn, J. Ritzert, S. Blei, G.C.S. Nhumaio, T.S. Sorensen, M. Gunsing, H. Schonfeldt, Simulation of agglomeration in spray drying installations: the EDECAD project, Drying Technology 22(6) (2004) 1403–1461.
4. Gao T.–C., R.–H. Chen, J.–Y. Pu, T.–H. Lin, Collision between an ethanol drop and a water drop, Experiments in Fluids 38(6) (2005) 731–738.
5. Ko G.H., H.S. Ryou, Droplet collision processes in an inter–spray impingement system, J. Aerosol Sci. 36(11) (2005) 1300–1321.
6. Ko G.H., H.S. Ryou, Modeling of droplet collision–induced breakup process, Int. J. Multiphase Flow 31(6) (2005) 723–738.
7. Morozumi Y., H. Ishizuka, J. Fukai, Criterion between permanent coalescence and separation for head–on binary droplet collision, Atomization and Sprays 15(1) (2005) 61–80.
8. Pan Y., K. Suga, Numerical simulation of binary liquid droplet collision, Phys. Fluids 17(8) (2005) 1–14.
9. Weiss C., The liquid deposition fraction of sprays impinging vertical walls and flowing films, Int. J. Multiphase Flow 31(1) (2005) 115–140.
10. Chen R.H., C.T. Chen, Collision between immiscible drops with large surface tension difference: diesel oil and water, Experiments in Fluids 41(3) (2006) 453–461.
11. Chen R.H., S.L. Chiu, T.H. Lin, Collisions of a string of water drops on a water jet of equal diameter, Experimental Thermal and Fluid Sci. 31(1) (2006) 75–81.
12. Kalweit M., D. Drikakis, Collision dynamics of nanoparticles, in: P. Gumbsch (Ed.), Muliscale Material Modelig, Simposium 2 Nanomechanics and Micromechanics, Freiburg, Germany, 2006, pp. 194–196.
13. Kalweit M., D. Drikakis, Collision dynamics of nanoscale Lennard–Jones clusters, Phys. Rev. B 74(23) (2006) Art. No. 235415.
14. Ko G.H., H.S. Ryou, S.W. Ko, K.C. Ro, N. Hur, Numerical study on binary droplet collision considering the collision-induced breakup and the effects of liquid properties, 10th International Conference on Liquid Atomization and Spray Systems, ICLASS 2006, Code 95930.
15. Madsen J., Computational and Experimental Study of Sprays from the Breakup of Water Sheets, PhD Thesis, The Faculty of Engineering and Science, Aalborg University, Esbjerg, Denmark, 2006.
16. Stralin P., F. Wahlin, N. Nordin, H.-E. Angstrom, A lagrangian collision model applied to an impinging spray nozzle, SAE Technical Papers (2006) Code 90183.
17. Singh R., Three dimensional marker-based multiphase flow computation, PhD Thesis, University of Florida, 2006.
18. Chen R.–H., Diesel–diesel and diesel–ethanol drop collisions, Appl. Thermal Eng. 27(2–3) (2007) 604–610.
19. Ko G.H., H.S. Ryou, Effects of impingement conditions on the characteristics of mutual impinging spray, Atomization and Sprays 17(2) (2007) 153–169.
20. Ko G.H., H.S. Ryou, N.K. Hur, S.W. Ko, M.O. Youn, Numerical study on bouncing and separation collision between two droplets considering the collision–induced breakup, J. Mechanical Sci. Technology 21(4) (2007) 585–592.
21. Munnannur A., R.D. Reitz, A new predictive model for fragmenting and non–fragmenting binary droplet collisions, Int. J. Multiphase Flow 33(8) (2007) 873–896.
22. Munnannur A., Droplet collision modelling in multi-dimensional engine sptay computations, PhD Thesis, University of Wiskonsin-Madison, 2007.
23. Uzgoren E., R. Singh, J. Sim, W. Shyy, Computational Modeling for Multiphase Flows with Spacecraft Application, Department of Aerospace Engineering, University of Michigan, Ann Arbor, Michigan, USA, 2007.

24. Uzgoren E., R. Singh, J. Sim, W. Shyy, Computational modeling for multiphase flows with spacecraft application, Progress in Aerospace Science 43(4–6) (2007) 138–192.
25. Dorao C.A., L.E. Patruno, P.M. Dupuy, H.A. Jakobsen, H.F. Svendsen, Modeling of droplet–droplet interaction phenomena in gas–liquid systems for natural gas processing, Chemical Engineering Science 63(14) (2008) 3585–3592.
26. Kalweit M., Molecular modelling of meso– and nanoscale dynamics, PhD Thesis, Department of Aerospace Science, Cranfield University, Cranfield, UK, 2008.
27. Kim S., K.H. Lee, C.S. Lee, Numerical simulation of the inter-spray impingement, Proceedings of the 7th International Conference on Modelling and Diagnostics forAdvanced Engine Systems, COMODIA 2008, 2008, 397–403.
28. Loth E., J. March, K. Krishnan, Modeling drop–drop collision regimes for variable pressures and viscosities, 46th AIAA Aerospace Sciences Meeting and Exhibit; Reno, NV; 7 January 2008 through 10 January 2008; Code 82092.
29. Poncot A., Assimilation de dondonnees pour la dinamique du xenon dans les coeurs de centrale nucleaire, PhD Thesis, Polytechnical University Touluse, 2008.
30. Juang R.R., Y.M. Lee, C.H. Chiang, J.S. Wu, Y.L. Hsu, S.W. Chau, Parallel Molecular Dynamics Simulation of Head–on Collision of Two Nanoscale Droplets with Low Relative Speed, Journal of Computational and Theoretical Nanoscience 6(1) (2009) 46–53.
31. Kim J., E.K. Longmire, Investigation of binary drop rebound and coalescence in liquids using dual–field PIV technique, Experiments in Fluids 47(2) (2009) 263–278.
32. Kim S., D.J. Lee, C.S. Lee, Modeling of binary droplet collisions for application to inter–impingement sprays, International Journal of Multiphase Flow 35(6) (2009) 533–549.
33. Liu D., P. Zhang, C.K. Law, Y. Guo, Collision dynamics and mixing of unequal-sized droplets, Fall Meeting of the Eastern States Section of the Combustion Institute 2009, 2009 103–109.
34. Munnannur A., R.D. Reitz, Comprehensive collision model for multidimensional engine spray computations, Atomization and Sprays 19(7) (2009) 597–619.
35. Nikolopoulos N., A. Theodorakakus, G. Bergeles, Off–centre binary collision of droplets: A numerical investigation, International Journal of Heat and Mass Transfer 52(19–20) (2009) 4160–4174.
36. Reitz R.D., A. Munnannur, Comprehensive collision model for multidimensional engine spray computations, Atomization and Sprays 19(7) (2009) 597–619.
37. Suh H.K., S.W. Park, C.S. Lee, Effect of grouped–hole nozzle geometry on the improvement of biodiesel fuel atomization characteristics in a compression ignition engine, Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering 223(12) (2009) 1587–1600.
38. Boulesteix S., Cisaillement d'une interface gaz-liquide en conduite et entraînement de gouttelettes, PhD Thesis, Institut de Mécanique des Fluides de Toulouse (IMFT), 2010.
39. Cheng C., Y. Li, Y. Li, L. Zhao, Investigation of the influences of droplet viscosity and environmental pressure on the spray collision, Transactions of Chinese Society of Agricultural Machinery 41(11) (2010) 1–7+37.
40. Loth E., Particles, Drops, and Bubbles: Fluid Dynamics and Numerical Methods, Cambridge University Press, 2010.
41. Luret G., T. Menard, A. Berlemont, J. Reveillon, F.X. Demoulin, G. Blokkeel, Modeling collision outcome in moderately dense sprays, Atomization and Sprays 20(3) (2010) 251–258.
42. Roisman I.V., On the instability of a free viscous rim, J. Fluid Mechanics 661 (2010) 206–228.
43. Schlottke J., W. Straub, K.D. Beheng, H. Gomaa, B. Weigand, Numerical investigation of collision–induced breakup of raindrops. Part I: Methodology and dependencies on collision energy and eccentricity, Journal of the Atmospheric Sciences 67(3) (2010) 557–575.
44. Strotos G., N. Nikolopoulos, K.–S.P. Nikas, A parametric numerical studyofthe head–on collision behavior of droplets, Atomization and Sprays 20(3) (2010) 191–209.
45. Valadeau C., De l’ethnobotanique à l'articulation du soin: une approche anthropologique du système nosologique chez les yanesha de Haute Amazonie péruvienne, PhD Thesis, Polytechnical University, Touluse, 2010.
46. Bayareh M., S. Mortazavi, Effect of density ratio on the hydrodynamic interaction between two drops in simple shear flow, Iranian Journal of Science and Technology, Transaction B: Engineering 35(M2) (2011) 121–132.
47. Cheng C., Y. Li, Y. Wang, L. Zhao, Spray atomization characteristics of group-hole nozzle, Transactions of Chinese Society pf Agricultural Machinery 42(7) (2011) 21–25.
48. Cheng C.-S., Y.Q. Li, Y.-H. Wang, L.-F. Zhao, Investigation of the grid dependency from the spray simulation, Journal of Aerospace Power 26(9) (2011) 1964–1969.

49. Focke C., D. Bothe, Computational analysis of binary collisions of shear-thinning droplets, J. of Non-Newtonian Fluid Mechanics 166(14–15) (2011) 799–810.
50. Li X., U. Fritsching, Numerical investigation of binary droplet collisions in all relevant collision regimes, Journal of Computational Multiphase Flows 3(4) (2011) 207–224.
51. Li X., U. Fritsching, Simulations on head-on collisions of binary liquid droplets, 6th International Berlin Workshop on Transport Phenomena with Moving Boundaries 24th-25th November 2011, Berlin, Germany.
52. Nikolopoulos N., G. Bergeles, The effect of gas and liquid properties and droplet size ratio on the central collision between two unequal–size droplets in the reflexive regime, International Journal of Heat and Mass Transfer 54(1–3) (2011) 678–691.
53. Gilet T., J.W.M. Bush, Froplets bouncing on a wet, inclined surface, Physics of Fluids 24 (2012) Art. No. 122103.
54. Loth E., K. Krishnan, Modeling drop-drop collision regimes for variable pressures and viscosities, 50th AIAA Aerospace Sciences Meeting Including the New Horizons Froum and Aerospace Exposition 2012, Art. No. AIAA-2012-0170.
55. Nikolopoulos N., G. Strotos, K.S. Nikas, G. Bergeles, The effect of Weber number on the central binary collision outcome between unequal-sized droplets, International Journal of Heat and Mass Transfer 55(7–8) (2012) 2137–2150.
56. Qiang H.-F., F.-Z. Chen, W.-R. Gao, Simulation of coalescence and bouncing of trhee-dimensional droplet collisions with low Weber numbers based on SPH method, Engineering Mechanics 29(2) (2012) 21–28.
57. Saroka M.D., N. Ashgriz, M. Movassat, Numerical investigation of head-on binary drop collisions in a dynamically inert environment, Journal of Applied Fluid Mechanics 5(1) (2012) 23–37.
58. Kohno J.-Y., M. Kobayashi, T. Suzuki, Protrusion formation during the collisional process of ethanol and water droplets: capillary wave propagation on the water droplet, Chemical Physics Letters 578 (2013) 15–20.
59. Kuschel M., M. Sommerfeld, Investigation of droplet collisions for solutions with different solids content, Experiments in Fluids 54(2) (2013) 1440.
60. Zhang H., H.L. Bo, Numerical prediction of the outcomes of binary-droplet collision in steam-water separator, 2013 21st International Conference on Nuclear Engineering, Vol. 4, 2013.
61. Monaco E., G. Brenner, K.H. Luo, Numerical simulation of the collision of two microdroplets with a pseudopotential multiple-relaxation-time lattice Boltzmann model, Microfluidics and Nanofluidics 16(1–2) (2014) 329–346.
62. Pischke P., K. Reinhold, D.P. Schmidt, A comparative validation of concept algorithms for stoshastic particle tracking, Aachen: Publikationsserver der RWTH Aachen University, 2014.
63. Suzuki T., J.-Y. Kohno, Simultaneous detection of images and Raman spectra of colliding droplets: Composition analysis of protrusions emerging during collisions of ethanol and water droplets, Journal of Physical Chemistry B 118(21) (2014) 5781–5786.
64. Ghazian O., K. Adamiak, G.S.P. Kastle, Head-on collision of electrically charged droplets, Journal of Electrostatics 73 (2015) 89–96.
65. Krishnan K.G., E. Loth, Effects of gas and droplet characteristics on drop-drop collision outcome regime, International Journal of Multiphase Flow 77 (2015) 171–186.
66. Pawar S., J. Padding, N. Deen, A. Jongsma, F. Innings, J.A.M.H. Kuipers, Numerical and experimental investigation of induced flow and droplet-droplet interactions in a liquid spray, Chemical Engineering Science 138 (2015) 17–30.
67. Pishke P., R. Kneer, D.P. Schmidt, A comparative validation of concepts for collision algorithms for stochastic particle tracking, Computers and Fluids 113 (2015) 77–86.
68. Pishke P., R. Kneer, Drop collisions and equilibrium drop size distributions in turbulent dispersions, ICLASS 15, 13th Triennial International Conference on Liquid Atomization and Spray Systems, Tainan, Taiwan, August 23-27, 2015.
69. Saroka M.D., N. Ashgriz, Separation criteria for off-axis binary drop collisions, Journal of Fluids 2015 (2015) 15.
70. Kamp J., J. Villwock, M. Kraume, Drop coalescence in technical liquid/liquid applications: A review on experimental techniques and modelling approaches, Reviews in Chemical Engineering July (2016).
71. Li H., M. Kuschel, M. Sommerfeld, Experimental investigation and modelling of coalescence and anglomeration for sptay drying of solutions, in: Process-Spray, Springer, 2016, 205–233.
72. Michaelides E.E., C.T. Crowe, J.D. Schwarzkopf, Computational methods, in: Multiphase Flow Handbook, CRC Press, 2016, 79–286.
73. Moqaddam A.M., S.S. Chikatamarla, I.V. Karlin, Simulations of binary droplet collisions with the entropic lattice Boltzmann method, Physics of Fluids 28(2) (2016) Art. No. 022106.
74. Moqaddam A.M., Etropic lattice Boltzmann method for two-phase flow, PhD Thesis, ETH, Zurich, 2016.

75. Sommerfeld M., M. Kuschel, Modelling droplet collision outcomes for different substances and viscosities, Experiments in Fluids 57 (2016) 187.
76. Znag Z., Y. Chi, L. Shang, P. Zhang, Z. Zhao, On the role of droplet bouncing in modeling inpinging sprays under elevated pressures, International Journal of Heat and Mass Transfer 102 (2016) 657−668.
77. Du M., B. Huang, Q. Lu, J. Gong, M. Luo, Z. Wang, The subsequent development of droplet collisions in impigning streams, (2017) doi: 10.11949/j.issn.0438-1157.20171225.
78. Finotello G., J.T. Padding, N.G. Deen, A. Jongsma, F. Innings, J.A.M. Kuipers, Effect of viscosity on the droplet-droplet collisional interaction, Physics of Fliuids 29(6) (2017) Art. No. 067102.
79. He C.M., P. Zhang, Dynamics of binary droplet collision in gaseous environment, Scientia Sinica: Physica, Mechanika et Astonomica 47(7) (2017) Art. No. 070013.
80. Hu C. S. Xia, C. Li, G. Wu, Three-dimensional numeriocal investigation and modeling of binary alumina droplet collision, International Journal of Heat and Mass Transfer 113 (2017) 569−588.
81. Kamp J., J. Villwock, M. Kraume, Droplet coalescence in technical liquid/liquid applicationa: A review of experimental techniques and modeling approaches, Review in Chemical Engineering 33(1) (2017) 1−47.
82. Li X.-G., U. Fritsching, Spray transport fundamental, in: Metal Sprays and Spray Deposition, Henein H., Uhlenwinkel V., Fritsching U., eds., Springer, 2017, 89–176.
83. Xia X., C. He, D. Yu, J. Zhao, P. Zhang, Vortex-ring-induced internal mixig upon the coalescence of initially stationary droplets, Physical Review Fluids 2(11) (2017) Art. No. 113607.
84. Yin J., W. Kong, F. Wang, H. Liu, K. Yang, Experimental investigation of binary supercooled droplet collision, Journal of Shanghai Jiaotong University 51(8) (2017) 939−945.
85. Du M., B. Huang, Q. Lu, M. Luo, Z. Wang, Subsequent development of collided droplets in impigning stream, Huagong Xuebao/CIESC Journal 69 (2018) 2023−2031.
86. Finotelo G., R.F. Kooiman, J.T. Padding, K.A. Buist, A. Jongsma, F. Innings, J.A.M. Kuipers, The dynamics of milk droplet-droplet collisions, Experiments in Fluids 59 (2018) Art. No. 17.
87. Finotelo G., S. De, J.C.R. Vrouwenvelder, J.T. Padding, K.S. Buist, S. Jongsma, F. Innings, J.A.M. Kuipers, Experimental investigation of non-Newtonian droplet collisions: The role of extensional viscosity, Experiments in Fluids 59(7) (2018) Art. No. 113.
88. Inagaki K., Improved models of surface tension and air resistance for mutiphysics particle method, Journal of Nuclear Science and Technology 55(2) (2018) 169−180.
89. Zhang Z., P. Zhang, Cross-impingement and combustion of sprays in high-pressure chamber and opposed-piston compression ignition engine, Applied Thermal Engineering 114 (2018) 137−146.
90. Agarwal A., Y. Wang, L. Liang, C. Naik, E. Meeks, The computational cost and accuracy of spray droplet collision models, SAE Technical Papers April (2019) Art. No. 146987.
91. Finotello G., Droplet collision dynamics in a spray dryer, PhD Thesis, Eindhoven University of Technology, 2019.
92. Finotello G., Padding J.T., Buist K.A., Jongsma A., Innings F., Kuipers J.A.M., Droplet collisions of water and milk in a spray with Langevin turbulence dispersion, International Journal of Multiphase Flow 114 (2019) 154−167.
93. Simone G., O. van de Donk, On demand coalescence in microchannel: Viscosity matters, Chemical Enginering Science 208 (2019) Art. No. 115173.
94. Sommerfeld M., L. Pasternak, Advances in modeling of binary droplet collision outcomes in Sprays: A review of available knowledge, International Journal of Multiphase Flow 117 (2019) 182−205.
95. Chen C.K., D. Verma, T.-H. Lin, Two successive drops impigning onto a hydrophobic plate, 12th- Asian Pacific Conference on Combustion, ASPACC 2019, Art. No. 149702.
96. Suo S.Y., M. Jia, X. He, Y.Z. Zhang, L.S. Jiang, H. Liu, A new droplet collision model applied for spray in internal combustion engines, Journal of Engineering Thermophysics 40(9) (2019) 2183−2189.
97. Huang K.-L., K.-L. Pan, C, Josserand, Pinching dynamics and satellite droplet formation in symmetrical droplet collisions, Physical Review Letters 123 (2019) Art. No. 234502.
98. Shlegel N.E., Y.S. Solomatin, P.A. Strizhak, Experimental research into the characteristics of child droplets formed due to collisions of liquid fragments in a gas, Powder Technology 363 (2020) 122−134.
99. Shlegel N.E., Y.S. Solomatin, P.A. Strizhak, Collision of water droplets with different initial temperatures, Powder Technology 367 (2020) 820−830.
100. Chowdhary S., S.R. Reddy, R. Banerjee, Detailed numerical simulations of unequal sized off-centre binary droplet collisions, International Journal of Multiphase Flow 128 (2020) Art. No. 103267.
101. Harutyunyan S.H., L.E. Khachikyan, G.A. Harutyunyan, Generation of monodisperse particles, Armenian Journal of Physics 13 (2020) 310−315.
102. Somwanshi P., K. Muralidhar, S. Khadekar, Coalescence dynamics of drops over a hydrophobic surface, Drop Dynamics and Dropwise Condensation and Texture Surfaces (2020) Springer 81−129.

103. Zhang H., Q. Liu, Numerical investigation on performance of moisture separator by Lagrangian-Eulerian strategy: Physical mechanisms, theoretical models, and advanced algorithms, Annals of Nuclear Energy 137 (2020) Art. No. 107081.
104. Li G., P. Wen, Y. Li, J. Wang, W. Chen, J. Yan, Numerical study on melt drop collision and hydraulic fragmentation during FCl of a nuclear reactor severe accident, Nuclear Engineering and Design 379 (2020) Art. No. 110862.
105. Wen P., G. Li, J. Gao, Y. Li, A. Jamaji, J. Yan, Nymerical study of collision behavior of melt drops during fuelcoolant interaction, International Conference of Nuclear Engineering 3 (2020) Art. No. 164166.
106. Zhao J., S. Xue, J. Han, R. Wen, Z. Lan, T. Hao, X. Ma, Research progress in binary droplet collision behavior and regulation mechanism, China Journal (2020) Doi: 10.11949/0438-1157.20201655.
107. Pasternak L., M.J.M. Manas, M. Sommerfeld, Influence of droplet properties on the coating of free-falling spherical particles, Atomization and Sprays 31 (2021) 37–61.

091 D.S. Valkovska, K.D. Danov, Influence of ionic surfactants on the drainage velocity of thin liquid films, J. Colloid Interface Sci. 241 (2001) 400–412. (**Citations: 38**)

1. Stoyanov S., Theory and simulation of interfacial effects and phase behaviour of nonionic surfactants, PhD Thesis, Essen University, 2002.
2. Tsekov R., P. Letocart, E. Evstatieva, H.J. Schulze, Efect of ionic surfactants on the dimple relaxation in wetting films, Langmuir 18 (2002) 5799–5803.
3. Rother M.A., R.H. Davis, Buoyancy–driven coalescence of spherical drops covered with incompressible surfactant at arbitrary Peclet number, J. Colloid Interface Sci. 270(1) (2004) 205–220.
4. Tan S.H., D. Fornasiero, R. Sedev, J. Ralston, Marangoni effects in aqueous polypropylene glycol foams, J. Colloid Interface Sci. 286(2) (2005) 719–729.
5. Baldessari F., L.G. Leal, Effect of overall drop deformation on flow–induced coalescence at low capillary numbers, Phys. Fluids 18(1) (2006) Art. No. 013602.
6. Karakashev S.I., A.V. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1–3) (2007) 229–240.
7. Karakashev S.I., E. Manev, A.V. Nguyen, Effect of double–layer repulsion on foam film drainage, Colloids and Surfaces A: Physicochemical and Engineering Aspects 319(1–3) (2008) 34–42.
8. Karakashev S.I., E. Manev, R. Tsekov, A.V. Nguyen, Effect of ionic surfactants on drainage and equilibrium thickness of emulsion films, J. Colloid Interface Sci. 318(2) (2008) 358–364.
9. Venturelli W.H., Estudos da atividade antiespumante de ésteres etílicos derivados de óleos vegetais, Thesis, Faculdade de Filosofia, Ribeirão Preto, 2008.
10. Dong X., D. Sun, G. Liu, C. Cao, X. Jiang, Aqueous foam stabilized by hydrophobically modified cellulose and alkyl polyoxyethyl sulfate complex in the presence and absence of electrolytes, Colloids and Surfaces A: Physicochemical and Engineering Aspects 345(1–3) (2009) 58–64.
11. Henry C.L., Bubbles, thin films, and ion specificity, PhD Thesis, The Australian National University, 2009.
12. Podgorska W., Prediction of drop size distributions in stirred tanks equipped with radialand axial flow impellers, Chemical and Process Engineering 30(1) (2009) 181–197.
13. Sarrazin P., D. Chaussy, L. Vurth, O. Stephan, D. Beneventi, Surfactant (TTAB) role in the preparation of 2,7–poly (9,9–dialkylfluorene– co–fluorenone) nanoparticles by miniemulsion, Langmuir 25(12) (2009) 6745–6752.
14. Dong X., J. Xu, C. Cao, D. Sun, X. Jiang, Aqueous foam stabilized by hydrophobically modified silica particles and liquid paraffin droplets, Colloids and Surfaces A: Physicochemical and Engineering Aspects 353(2–3) (2010) 181–188.
15. Karakashev S.I., D.S. Ivanova, Thil liquid film drainage: ionic vs. non–ionic surfactants, J. Colloid Interface Sci. 343 (2010) 584–593.
16. Karakashev S.I., D.S. Ivanova, Z.K. Angarska, E.D. Manev, R. Tsekov, B. Radoev, R. Slavchov, A.V. Nguyen, Comparative validation of the analytical models for the Marangoni effect on foam film drainage, Colloids Surfaces A 365(1–3) (2010) 122–136.
17. Karakashev S.I., R. Tsekov, D.S. Ivanova, Dynamic effects in thin liquid films containing ionic surfactants, Colloids Surfaces A 356(1–3) (2010) 40–45.
18. Tsekov R., D.S. Ivanova, R. Slavchov, B. Radoev, E.D. Manev, A.V. Nguyen, S.I. Karakashev, Streaming potential effect on the drainage of thin liquid films stabilized by ionic surfactants, Langmuir 26(7) (2010) 4703–4708.
19. Ангарска Ж., Д. Иванова, К. Щубенраух, Гибсова еластичност и адсорбционни слоеве от смесени разтвори на n-додецил-β-D-малтозид с додеканол, Годишник на Шуменския Университет, 2010.

20. Tzekov R., D Ivanova, R. Slavchov, B. Radoev, E. Manev, A.V. Nguyen, S.I. Karakashev, A new model for kinetics of a drainage of thin liquid films with ionic surfactants, Годишник на Шуменския Университет, 2010.
21. Gao F., S. Yang, P. Hao, J.R.G. Evans, Suspension stability and fractal patterns: A comparison using hydroxyapatite, Journal of American Ceramic Society 94(3) (2011) 704–712.
22. Karakashev S.I., D.S. Ivanova, Dynamic effects in thin films with different radii, Годишник на СУ, Химически факултет, 102/103 (2011) 103–121.
23. Karakashev S.I., R. Tsekov, Electro–Marangoni effect in thin liquid films, Langmuir 27 (2011) 2265–2270.
24. Radoev B., K.W. Stoeckelhuber, R. Tsekov, P. Letocart, Wetting film dynamics and stability, Colloid Stability and Application in Pharmacy, 3 (2011) 151–172.
25. Bak A., W. Podgorska, Investigation of drop breakage and coalescence in the liquid-liquid system with nonioinic surfactants Tween 20 and Tween 80, Chemical Engineering Science 74 (2012) 181–191.
26. Karakashev S.I., M.V. Grozdanova, Foams and antifoams, Advances in Colloid and Interface Science 176–177 (2012) 1–17.
27. Curschellas C., K. Nagy, E. Windnab, H.J. Limbach, Characteristics of polyglycerol ester and its different fractions, J. Colloid Interface Sci. 393(1) (2013) 182–191.
28. Eftekhardadkhan M., G. Oye, Induction and coverage times for crude oil droplets spreading on air bubbles, Environmental Science and Technology 47(24) (2013) 14154–14160.
29. Atalay S., Y. Ma, S. Qian, Analytical model for charge properties of silica particles, J. Colloid Interface Sci. 425 (2014) 128–130.
30. Atalay S., Role of Surace Chemistry in Nanoscale Elektrokinetic Transport, PhD Thesis, old Dominion University, Aerospace Engineering, 2014.
31. Firuozi M., Drainage and stability of foam films during bubble coalescence in aqueous salt solutions, PhD Thesis, School of Chemical Engineering, University of Queensland, AU, 2014.
32. Karakashev S., Anomalous drainage of nanofilms from concentrated NaCl solutions of tetraethylene glycol octyl ether (C8E4), Chemistry: Bulgarian Journal of Science Education 24(6) (2015) 922–929.
33. Karakashev S., E. Manev, Hydrodynamics of thin liquid films: Retrospective and perspectives, Advances in Colloid and Interface Science 222 (2015) 398–412.
34. Wong K., T. Chen, D.E. Connor, M. Behnia, K. Parsi, Basic physicochemical and rheological properties of detergent sclerosants, Phlebology 30(5) (2015) 339–349.
35. Podgorska W., D.L. Marchisio, Modeling of turbulent drop coalescence in the presence of electrostatic forces, Chemical Engineering Research and Design 108 (2016) 30–41.
36. Marlega P., W. Baranowska,A. Bak, W. Podgorska, Wpływ rodzaju elektrolitu na stabilizację lub destabilizację dyspersji olej-woda w przepływie burzliwym w zbiorniku z mieszadłem, INŻYNIERIA I APARATURA CHEMICZNA 57(5) (2018) 142–143.
37. Wong K.C., Experimental and numerical investigation and modelling of sclerosant foams, PhD Thesis, University of Sydney, 2018.
38. Zhao C., W. Zhang, D. van den Ende, F. Mugele, Electroviscous effect on the squeezing flow of thin electrolyte solution films, Journal of Fluid Mechanics 888 (2020) Art. No. A29.

088 K.D. Danov, On the viscosity of dilute emulsions, J. Colloid Interface Sci. 235 (2001) 144–149. (**Citations: 51**)

1. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
2. Robins M.M., A.D. Watson, P.J. Wilde, Emulsions – creaming and theology, Current Opinion in Colloid and Interface Sci. 7(5–6) (2002) 419–425.
3. Vlahovska P., J. Blawzdziewicz, M. Loewenberg, Nonlinear rheology of a dilute emulsion of surfactant–covered spherical drops in time–dependent flows, J. Fluid Mech. 463 (2002) 1–24.
4. Peng Y.C., M.C. Guo, L. Li, K. Li, Research of bubble shape and interfacial characteristics when CO_2 is injected into HDPE melt, J. Mater. Sci. Lett. 22(8) (2003) 639–641.
5. Gallegos C., J.M. Franco, P. Patral, Rheology of food dispersions, Rheology Reviews 2004, 19–65.
6. da Trindade Neto C.G., A.L.P. Fernandes, A.I.B. Santos, W.A. Morais, M.V.M. Navarro, T.N.C. Dantas, M.R. Pereira, J.L.C. Fonseca, Preparation and characterization of chitosan–based dispersions, Polym. International 54(4) (2005) 659–666.
7. Filip P., R. Pivokonski, On empirical modelling of viscosity regarding ageing of emulsions, Acta Technica CSAV (Ceskoslovensk Akademie Ved) 50(1) (2005) 53–66.
8. Park G.–G., J.–S. Han, S.–M. Lee, C.–K. Lee, M.–S. Yoon, Surface rheological properties of a solid–state emulsion, J. Dispersion Sci. Technology 26(6) (2005) 769–778.

9. Schalper K., S. Harnisch, R.H. Muller, G.E. Hildebrand, Preparation of microparticles by micromixers: characterization of oil/water process and prediction of particle size, Pharmac. Res. 22(2) (2005) 276–284.
10. Vlahovska P.M., Dynamics of a Surfactant–Covered Drop and the Non–Newtonian Rheology of Emulsions, PhD Thesis, Yale University, Yale, USA, 2005.
11. de Hoog E.H.A., J.F. Prinz, L. Huntjens, D.M. Dresselhuis, G.A. van Aken, Lubrication of oral surfaces by food emulsions: the importance of surface characteristics, J. Food Sci. 71(7) (2006) E337–E341.
12. Fischer P., P. Erni, Emulsion drops in external flow fields – the role of liquid interfaces, Curr. Opin. Colloid Interface Sci. 12(4–5) (2007) 196–205.
13. Mackie A.R., M.J. Ridout, G. Moates, F.A. Husband, P.J. Wilde, Effect of the interfacial layer composition on the properties of emulsion creams, J. Agricultural Food Chemistry 55(14) (2007) 5611–5619.
14. Erni P., P. Fischer, V. Herle, M. Haug, E.J. Windhab, Complex interfaces and their role in protein–stabilized soft materials, ChemPhysChem 9(13) (2008) 1833–1837.
15. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
16. Tcholakova S., N.D. Denkov, K. Golemanov, K.P. Ananthapdmanabhan, A. Lips, Theoretical model of viscous friction inside steadily sheared foams and concentrated emulsions, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 78(1) (2008) art. no. 011405.
17. Derkach S.R., Rheology of emulsions, Advances in Colloid and Interface Science 151(1–2) (2009) 1–23.
18. Wilde P.J., M.J. Ridout, A.R. Mackie, M.S.J. Wickham, R.M. Faulks, Modulating lipid delivery ibn food emulsions, ACS Simposium Series 1007 (2009) 67–88.
19. Interfacial Rheology, R. Miller and L. Liggiery Eds., Ch. 15.
20. Derkach S.R., Rheology from the way from dilute to concentrated emulsions, International Review of Chemical Engineering 2(3) (2010) 465–472.
21. de Vicente J., Rheological models for structured fluids, in: Structure and Functional Properties of Colloidal Systems, 2010, Ch. 11.
22. Erni P., Deformation modes of complex fluid interfaces, Soft Matter 7(17) (2011) 7586–7600.
23. Erni P., E.J. Windhab, P. Fisher, Emulsion drops with complex interfaces: Globular versus flexible proteins, Macromolecular Materials and Engineering 296(3–4) (2011) 249–262.
24. Kalra A., K. Raney, B. Dindoruk, A. Venkatraman, Prediction and experimental measurements of water-in-oil emulsion viscosities during alkaline surfactant injections, Society of Petroleum Engineers - SPE Enhanced Oil Recovery Conference 2011, EORC 2011, 1 (2011) 450–463.
25. Pal R., Influence of interfacial rheology on the viscosity of concentrated emulsions, J. Colloid Interface Sci. 356(1) (2011) 118–122.
26. Pal R., Rheology of simple and multiple emulsions, Current Opinion in Colloid and Interface Science 16(1) (2011) 41–60.
27. Wunenburger R., B. Issenmann, E. Brasselet, C. Loussert, V. Hourtane, J.P. Delville, Fluid flows driven by light scattering, J. Fluid Mechanics 666 (2011) 273–307.
28. Kalra A., A. Venkatraman, K.H Raney, B. Dindoruk, Prediction and experimental measurements of water-in-oil emulsion viscosities during alkaline/surfactant injections, Society of Petroleum Engineers SPE-143992-PA, 2012.
29. Moravkova T., Filip P., The influence of emulsifier on rheological and sensory properties of cosmetic lotions, Advances in Materials Science and Engineering 2013 (2013) Art. No. 168503.
30. Murtiningrum, Z.L. Sarungalo, G.N. Cepeda, N.O. Tin, Tabilitas emulsi minyak buah, Jurnal Tekknology Industri Pertanian 23(1), 2013.
31. Datta S., S. Raturi, Cell model for slow viscous flow past spherical particles with surfactant layer coating, Journal of Applied Fluid Mechanics 7 (2014) 263–273.
32. Husband F.A., M.J. Ridout, P.S. Clegg, M. Hermes, J. Forth, W.C.K. Poon, P.J. Wilde, The impact of the interfacial behavior on emulsion rheology: a potential approach to reducing fat content in emulsified foods, Gums and Stabilizers for the Food Industry (2014) 230–237.
33. Moravkova T., P. Filip, The influence of thickeners on the rheological and sensory properties of cosmetic lotions, Acta Polytechnica Hungarica 11(6) (2014) 173–186.
34. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.
35. Raturi S., Certain flow problems with surfactant layers, PhD Thesis, University of Lucknow, Department of Mathematics and Astronomy, 2015.
36. Gounley J., G. Boedec, M. Jaeger, M. Leonetti, Influence of surface viscosity on droplets in shear flow, Journal of Fluid Mechanics 791 (2016) 464–494.
37. Jiang G., Y. He, X. Huang, Z. Deng, Y. Qin, A high-density organoclay-free oil base drilling fluid based on supramolecular chemistry, Petroleum Exploration and Development 43(1) (2016) 143–148.

38. Pal R., Fundamental rheology of disperse systems based on single-particle mechanics, Fluids 1(4) (2016) 40.
39. Strasser D., M. Bergmann, B. Smeulders, D. Paesold, K. Krimpelstatter, P. Schellingerhout, A. Kainz, K. Zeman, A novel model-based approach for the prediction of wear in cold rolling, Wear 376-377B (2017) 1245–1259.
40. Narsimhan V., The effect of surface viscosity on the translational speed of droplets, Physics of Fluids 30 (2018) Art. No. 081703.
41. Noetinger B., L. Hume, R. Chatelin, P. Poncet, Effective viscosity of a random mixture of fluids, Physical Review Fluids 3 (2018) Art. No. 014103.
42. Sengupta R., L.M. Walker, A.S. Khair, Effective viscosity of a dilute emulsion of spherical drops containing soluble surfactants, Rheologica Acta 57(6–7) (2018) 481–491.
43. Fiorotti T.A., C.M.S. Sad, E.R.V. Castro, L.L. Barbosa, Rheological study of w/o emulsion by low field NMR, Journal of Petroleums Science and Engineering 176 (2019) 421–427.
44. Narsimhan V., Shape and rheology of droplets with visous surface moduli, Journal of Fluid Mechanics 862 (2019) 385–420.
45. Skvortsov I.Y., L.A. Varfolomeeva, V.G. Kulichikhin, effect of tetraethoxysilane on the pjase state, rheological properties, and coagulation features of polyacrylonitrile solutions, Colloid Journal 81(2) (2019) 165–175.
46. Sahumena M.H., Suryani, N. Rahmadani, Formulasi self-nanoemulsifiying drug delivery system (SNEDDS) asam mefenamat menggunakan VCO dengan kombinasi surfaktan Tween dan Span, Journal Syifa Sciences and Clinical Research 1(2) (2019) 37–46.
47. S.R. Rasulov, G.I. Kelbaliev, Oil emulsions rheology, Новые Методы и Технологии 5 (2019) 64–69.
48. Das S., S. Mandal, S. Chakraborty, Interfacial viscosity-dictated morpho-dynamics of a compound drop in linear flows, Physics of Fluids 32 (2020) Art. No. 062006.
49. Annisa R., M. Yuwono, E. Hendradi, Effect of vegetable oil on self-nanoemulsifying drug delivery system of dayak onion [eleutherine palmifolia (L.) merr.] extract using hydrophilic-lipophilic balance approach: Formulation, characterization, International Journal of Drug Delivery Technology 10 (2020) 210–216.
50. Dolata B.E., R.N. Zia, Faxen formulas for particles at arbitrary shape and material composition, Journal of Fluid Mechanics 910 (2021) Art. No. A22.
51. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.

087 K.D. Danov, P.A. Kralchevsky, I.B. Ivanov, Dynamic processes in surfactant–stabilized emulsions, in: J. Sjoblom (ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, pp. 621–659. (**Citations: 46**)

1. Gurkov T.D., E.S. Basheva, Hydrodynamic behavior and stability of approaching deformable drops, in: A.T. Hubbard (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
2. Perez M., N. Zambrano, M. Ramirez, E. Tyrode, J.–L. Salager, Surfactant–oil–water systems near the affinity inversion. Part XII: Emulsion drop size versus formulation and composition, J. Dispersion Sci. Technology 23(1–3) (2002) 55–63.
3. Aldana G.A.P., Effect of surfactants on drop size distributions in a batch, rotor–stator mixer, Ph.D. Thesis, Faculty of the Graduate School of the University of Maryland, USA, 2005.
4. Dukhin S.S., C. Zhu, R.N. Dave, Q. Yu, Hydrodynamic fragmentation of nanoparticle aggregates at orthokinetic coagulation, Adv. Colloid Interface Sci. 114–115 (2005) 119–131.
5. Angle C.W., T. Dabros, H.A. Hamza, Predicting sizes of toluene–diluted heavy oil emulsions in turbulent flow. Part 1 – Application of two adsorption kinetic models for σ^E in two size predictive models, Chem. Eng. Sci. 61(22) (2006) 7309–7324.
6. Avila C., Interfacial phenomena in oil-in-water dispersion, PhD Thesis, University of Tulsa, 2006.
7. Hannisdal A., Particle–Stabilized Emulsions and Heavy Crude Oils. Characterization, Stability Mechanism, and Interfacial Properties, PhD Thesis, Norwegian University of Science and Technology (NTNU), N–7491 Trondheim, Norway, 2006.
8. Tolosa L.–I., A. Forgiarini, P. Moreno, J.–L. Salager, Combined effects of formulation and stirring on emulsion drop size in the vicinity of three–phase behavior of surfactant–oil water systems, Ind. Eng. Chem. Res. 45(11) (2006) 3810–3814.
9. Hannisdal A., P.V. Hemmingsen, A. Silset, J. Sjöblom, Stability of water/crude oil systems correlated to the physicochemical properties of the oil phase, J. Dispersion Sci. Technology 28(4) (2007) 639–652.
10. Hannisdal A., R. Orr, J. Sjöblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30, J. Dispersion Sci. Technology 28(3) (2007) 361–369.

11. Menkiti M.C., P.K. Igbokwe, F.X.O. Ugodulunwa, O.D. Onukwuli, Rapid coagulation/floculation kinerics of coal effluent with high organic content using blended and unblended chitin derived coagulant (CSC), Research J. Appl. Sci. 3(4) (2008) 317–323.
12. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Adv. Colloid Interface Sci. 140(1) (2008) 1–65.
13. Caubet S., PROCEDES BASSE ENERGIE POUR LA PRODUCTION D'EMULSIONS TRES CONCENTREES HUILE DANS EAU: CARACTERISATION, INTENSIFICATION ET APPLICATIONS, PhD Thesis, Physics. Universite de Pau et des Pays de l'Adour, 2010.
14. Dixit S.S., H. Kim, A. Vasilyev, A. Eid, G.W. Faris, Light–driven formation and rupture of droplet bilayers, Langmuir 26(9) (2010) 6193–6200.
15. Manor O., D.Y.C. Chan, Influence of surfactants on the force between two bubbles, Langmuir 26(2) (2010) 655–662.
16. Salonen A., C. Moitzi, S. Salentinig, O. Glatter, Material transfer in cubosome–emulsion mixtures: Effect of alkane chain length, Langmuir 26(3) (2010) 10670−10676.
17. Dukhin A.S., S.S. Dukhin, Rapid brownian and gravitational coagulation, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 345−378.
18. Watkins J.D., Enhancing triple phase boundary electrosynthesis, PhD Thesis, Department of Chemistry, University of Bath, 2011.
19. Zhang J., Novel emulsion-based delivery systems, PhD Thesis, University of Minnesota, 2011.
20. Govedarica D.D., R.M. Secerov Sokolovic, D.S. Sokolovic, S.M. Sokolovic, Evaluation of the separation of liquid-liquid dispersions by flow through fiber beds, Industrial and Engineering Chemistry Research 51(49) (2012) 16085−16091.
21. Skartlien R., B. Grimes, P. Meakin, J. Sjoblom, E. Sollum, Coalescence kinetics in surfactant stabilized emulsions: evolution equations from direct numerical simulations, Journal of Chemical Physics 137(21) (2012) Art. No. 214701.
22. Skartlien R., E. Sollum, A. Akselsen, P. Meakin, Direct numerical simulation of surfactant-stabilized emulsions: morphology and shear viscosity in starting shear flow, Rheological Acta 51(7) (2012) 649−673.
23. Ugonabo V.I., M.C. Menkiti, O.D. Onukwuli, Effect Of Mucuna Seed Coagulant On Total Dissolved Solid Particles Removal Efficiency In Pharmaceutical Effluent Medium By Coag-flocculation Process, New York Science Journal 5(9) (2012) 75–85.
24. Ugonabo V.I., M.C. Menkiti, O.D. Onukwuli, Kinetics and coagulation performance of snail shell biomass in pharmaceutical Effluent, IOSR Journal of Engineering 2(7) (2012) 38–49.
25. Adamczyk Z., Electrostatic interactions, in: Encyclopedia in Colloid and Interface Science, 2013, p. 362.
26. Brockel U., W. Meier, G. Wagner, Emulsion gels in food, in: Product Design and Engineering: Formulations of Gels and Pastes, 2013, Ch. 11.
27. Friberg S.E., Friberg S.H., Emulsion formation, in: Encyclopedia in Colloid and Interface Science, 2013, 366–414.
28. Kinetic modeling and functional parameters evaluation of mass transfer rate, International Journal of Basic and Applied Science 13(3) (2013) 33–47.
29. Scartlien R., E. Sollum, H. Schumann, Droplet size distributions in turbulent emulsions: breakup criteria and surfactant effects from direct numerical simulations, Journal of Chemical Physics 139(17) (2013) Art. No. 174901.
30. Tadros T., Elasticity, in: Encyclopedia in Colloid and Interface Science, 2013, p. 341–342.
31. Tadros T., Emulsion systems, in: Encyclopedia in Colloid and Interface Science, 2013, p. 454–455.
32. Ugonabo V.I., M.C. Menkiti, E.C. Osoka, C.U Atuanya, O.D. Onukwuli, Kinetic modeling and functional parameters evaluation of mass transfer rate, International Journal of Basic and Applied Science 13(3) (2013) 33–47.
33. Babayemi A.K., O.D. Onukwuli, A.O. Okewale, Coag-flocculation kinetics of phosphorus containing effluent using Corchorus Olitorious seed, Science Research 2(6) (2014) 172–178.
34. Nnaji P.C., B.I. Okolo, M.C. Menkiti, Nephelometric Performance Evaluation of Oxidized Starch in the Treatment of Coal Washery Effluent, Natural Resources 5(3) (2014) Art. No. 44322.
35. Elahi S., Formulation of nano-structured emulsions for use in food and healthcare applications, PhD Thesis, Department of Chemistry, Univerity of Bath, 2015.
36. Scartlien R., E. Sollum, F. Fakharian, T.L. Palmer, On the interfacial roughness scale in turbulent stratified two-phase flow: 3D lattice Boltzmann numerical simulations with forced turbulence and surfactant, International Journal of Multiphase Flow 69 (2015) 102–114.
37. Scartlien R., K. Furtado, E. Sollum, Multiphase flow research with a surfactant lattice Boltzmann model, Journal of Dispersion Science and Technology 36(10) (2015) 1360−1369.

38. Aquilera-Segura S.M., V. Nunez-Veles, L. Achenie, O. Alvares Solano, R. Torres, A.F. Gonzales Barios, Peptides design based on transmembrane Escherichia coli's OmpA protein through molecular dynamics simulations in water–dodecane interfaces, Journal of Molecular Graphics and Modelling 68 (2016) 216–223.
39. Deen G.R., J. Skovgaard, J.S. Pedersen, Formation and properties of nanoemulsions, in: A.M. Grumezesku, Ed., Nanotechnology in the Agri-Food Industry, Vol. 3, Emulsions, Elsevier, 2016.
40. Ugonabo V., L.N. Emembolu, C.A. Igwegbe, Bio-coag-flocculation of refined petroleum wastewater using plant extract: A turbidimetric approach, International Journal of Emerging Engineering Approach and Technology 4(11) (2016) 19–26.
41. Zorzenao P.C.S., Efeito das frações de asfaltenos na estabilização de emulsões de petróleo, Dissertação (mestrado) – Universidade Federal do Paraná, Setor de Ciências Exatas, Programa de Pós-Graduação em Química, 2016.
42. Almeida M.L., R.M. Charin, M. Nele, F.W. Tavares, Stability studies of high-stable water-in-oil model emulsions, Journal of Dispersion Science and Technology 38(1) (2017) 82–88.
43. Munoz J., M.C. Alfaro, L.A. Trujillo-Cayado, M.J. Martin-Pinero, Production of food bioactive-loaded nanostructures by microfluidization, Nanoencapsulation of Food Ingredients by Specialized Equipment (2019) 341–390.
44. Assadpour E., S.M. Jafari, An overview of specialized equipment for nanaoencapsulation of food ingredients, Nanoencapsulation of Food Ingredients by Specialized Equipment (2019) 1–30.
45. Collette N.K., Effect of soy lecithin concentration on formulating dairy emulsions through ultrasound treatment, PhD Thesis, South Dakota State University, 2020.
46. Sobolciak P., A. Popelka, A. Tanvir, M.A. Al-Maadeed, S. Adham, I. Krupa, Materials and technologies for the tertiary treatment of produced water contaminated by oil impurities through nonfibrous deep-bed media: A review, Water (Switzerland) 12 (2020) Art. No. 3419.

086 K. Danov, R. Danev, K. Nagayama, Electric charging of thin films measured using the contrast transfer function, Ultramicroscopy 87 (2001) 45–54. (**Citations: 11**)

1. van Aken R.H., C.W. Hagen, J.E. Barth, P. Kruit, Low–energy foil abberation corrector, Ultramicscopy 93 (2002) 321–330.
2. Wang W.-J., The fabrication of Zernike electrostatic phase plate and its application on the phase TEM, PhD Thesis, National Tsing Hua University, Taywan, 2007.
3. Alloyeau D., W.K. Hsieh, E.H. Anderson, L. Hilken, G. Brenner, X. Meng, F.R. Chen, C. Kisielowski, Imaging of soft and hard materials using a Boersch phase plate in a transmission electron microscope, Ultramicroscopy 110(5) (2010) 563–570.
4. Aza'iez M., F.B. Belgacem, F. Jelassi, The density function reconstruction of surface sources from a single Cauchy measurement, Computers and Fluids 43 (2011) 14–22.
5. Malac M., M. Beleggia, M. Kawasaki, P. Li, R.F. Egerton, Convenient contrast enhancement by a hole-free phase plate, Ultramicroscopy 118 (2012) 77–89.
6. Bok J., O. Schauer, Performance of SEM scintillation detector evaluated by modulation transfer function and detective quantum efficiency function, Scanning 30(4) (2014) 384–393.
7. Malac M., M. Beleggia, R.F. Egerton, M. Kawasaki, M. Berge, Y. Okura, I. Ishikawa, K. Motoki, Charging of thin film phase plates under electron beam irradiation, Microscopy and Microanalysis, Vol. 20, 2014, 230–231.
8. Hart J.L., S. Liu, A.C. Lang, A. Hubert, A. Zukaukas, C. Canalias, R. Beanland, A.M. Rappe, M. Arredondo, M.L. Taheri, Electron-beam-induced ferroelectric domain behavior in the trasmition electron microscope: Toward deterministic domain pattering, Physical Review B 94 (2016) Art. No. 174104.
9. Tsai C.-Y., Y.-C. Chang, I. Lobato, D. Van Dyck, F.-R. Chen, Hollow cone electron imaging for single particle 3D reconstruction of proteins, Scientific Reports 6 (2016) Art. No. 27701.
10. Russo C.J., R. Henderson, Charge accumulation in electron cryomicroscopy, Ultramicroscopy 187 (2018) 43–49.
11. Russo C.J., R. Henderson, Microscopic charge fluctuations causes minimal contrast loss in cryoEM, Ultramicroscopy 187 (2018) 56–63.

085 K.D. Tachev, J.K. Angarska, K.D. Danov, P.A. Kralchevsky, Erythrocyte attachment to substrates: determination of membrane tension and adhesion energy, Colloids Surfaces B 19 (2000) 61–80. (**Citations: 24**)

1. Liu K.K., H.G. Wang, K.T. Wan, T. Liu, Z. Zhang, Characterizing capsule–substrate adhesion in presence of osmosis, Colloids Surfaces B 25(4) (2002) 293–298.
2. Minerick A.R., A. Ostafin, H.–C. Chang, Electrokinetic transport of red blood cells in microcapillaries, Electrophoresis 23(14) (2002) 2165–2173.

3. Hategan A.P., R. Law, S. Kahn, D.E. Discher, Adhesively–tensed cell membranes: lysis kinetics and atomic force microscopy probing, Biophysical Journal 85(4) (2003) 2746–2759.
4. Minerick A.R., R.H. Zhou, P. Takhistov, H.–C. Chang, Manipulation and characterization of red blood cells with alternating current fields in microdevices, Electrophoresis 24(21) (2003) 3703–3717.
5. Zhou R., D. Lastochkin, H.–C. Chang, Anomalous capillary wetting dynamics of blood suspensions, Proceedings of the Second International Conference on Microchannels and Minichannels (ICMM2004) (2004) 911–916.
6. Zhangyong L., L. Biao, X. Zhengxiang, Extracting and analyzing sub–signals in heart rate variability, Colloids Surfaces B 42(2) (2005) 131–135.
7. Zhou R., H.–C. Chang, Capillary penetration failure of blood suspensions, J. Colloid Interface Sci. 287(2) (2005) 647–656.
8. Pawlowski P.H., B. Burzynska, P, Zielenkiewicz, Theoretical model of reticulocyte to erythrocyte shape transformation, J. Theoretical Biology 243(1) (2006) 24–38.
9. Zhou R., J. Gordon, A.F. Palmer, H.–C. Chang, Role of erythrocyte deformability during capillary wetting, Biotechnology Bioengineering 93(2) (2006) 201–211.
10. Jayathilake P.G., B.C. Khoo, Z. Tan, Capsule–substrate adhesion in the presence of osmosis by the immersed interface method, Proceedings of World Academy of Science, Engineering and Technology 60 (2009) 460–469.
11. Jayathilake P.G., B.C. Khoo, Z. Tan, Effect of membrane permeability on capsule substrate adhesion: Computation using immersed interface method, Chemical Engineering Science 65(11) (2010) 3567–3578.
12. Brody M.D., J.D. Halderman, B. Parikh, J. Stone, Automated system to created a cell smear, US Patent US20130137137 A1, 2011.
13. Jayathilake P.G., B.C. Khoo, Z. Tan, Capsule-substrate adhesion in the presence of osmosis by the immersed interface method, World Academy of Science, Engineering and Technology 60 (2011) 460–469.
14. Jayathilake P.G., G. Liu, Z. Tan, B.C. Khoo, Numerical study of a permeable capsule under Stokes flows by the immersed interface method, Chemical Engineering Science 66(10) (2011) 2080–2090.
15. Li S., J.S. Marshall, G. Liu, Q. Yao, Adhesive particulate flow: The discrete-element method and its application in energy and environmental engineering, Progress in Energy and Combustion Science 37(6) (2011) 633–668.
16. Marshall J.S., J.K.W. Chesnutt, H.S. Udaikumar, Mesoscale analysis of blood flow, Image-Based Computational Modeling of Human Circulatory and Pulmonary Systems, 2011, 235–266.
17. Thomassen L.C.J., V. Rabolli, K. Masschaele, G. Alberto, M. Tomatis, M. Ghiazza, F. Turci, E. Breynaert, G. Martra, C.E.A. Kirschhock, J.A. Martens, D, Lison, B. Fubini, Model system to study the influence of aggregation on the hemolytic potential of silica nanoparticles, Chemical Research in Toxicology 24(11) (2011) 1869–1875.
18. Dodson W.R., P. Dimitrakopoulus, Tank-treading of swollen erythrocytes in shear flows, Physical Review E 85(2) (2012) Art. 021922.
19. Marshal J.C., S. Li, Adhesive particle flow: A discrete element approach, Winter Conditions in Six European Shallwo Lakes, 2012, 1–342.
20. Jhong J.-F., A. Venault, L. Liu, J. Zheng, S.-H. Chen, A. Higuchi, J. Huang, Y. Chang, Introducing mixed-charge copolymers as wound dressing biomaterials, ACS Applied Materials and Interfaces 6(12) (2014) 9858–9870.
21. Xu Z., Y. Zheng, X. Wang, N. Shehata, C. Wang, S. Xie, Y. Sun, Stiffening of sickle cell trait red blood cells under simulated strenuous exercise conditions, Microsystems and Nanoengineering 2 (2016) Art. No. 16061.
22. Xu Z., Machanical characterization of red blood cells using microfluidic devices, PhD Thesis, University of Toronto.
23. Xu Z., W. Dou, C. Wang, Y. Sun, Stuffnes and ARP recovery of stored red blood cells in serum, Microsystems and Nanoengineering 5 (2019) 51.
24. Mukhopadhyay M., R. Ray, M. Ayushman, P. Sood, M. Bhattacharyya, D. Sarkar, S. DasGupta, Interfacial energy driven distinctive pattern formation during the drying of blood droplets, Journal of Colloid and Interface Science 573 (2020) 307–316.

083 D.S. Valkovska, P.A. Kralchevsky, K.D. Danov, G. Broze, A. Mehreteab, The effect of oil solubility on the oil drop entry at water–air interface, Langmuir 16 (2000) 8892–8902. (**Citations: 9**)

1. Hadjiiski, A., Tcholakova, S., Denkov, N. D., Effect of Oily Additives on Foamability and Foam Stability. 2. Entry Barriers. Langmuir 17(22) (2001) 7011–7021.

2. Binks B.P., P.D.I. Fletcher, M.D. Haynes, Anti–foam action of oil vapors, Colloids Surfaces A 216(1–3) (2003) 1–8.
3. Knulst J.C., D. Rosenberger, B. Thompson, J. Paatero, Intensive see surface microlayer investigations of open leads in the pack ice during Arctic Ocean 2001 Expedition, Langmuir 19(24) (2003) 10194–10199.
4. Denkov N.D., Mechanisms of foam destruction by oil–based antifoams, Langmuir 20(22) (2004) 9463–9505.
5. Denkov N.D., K. Marinova, Antifoam effects of solid particles, oil drops and oil-solid compounds in aqueous foams, in: colloidal Particles at Liquid Interfaces, Cambridge University Press, 2006, Ch. 10.
6. Martensson Ellinor, Foaming in Apple Wine, Thesis, Linnaeus University, Faculty of Science and Engineering, Linnaeus, Sweden, 2010.
7. Karakashev S.I., M.V. Grozdanova, Foams and antifoams, Advances in Colloid and Interface Science 176–177 (2012) 1–17.
8. Gao F., H. Yan, Q. Wang, S. Yuan, Mehcnism of foam destruction by antifoams: A molecular dynamics study, Physical Chemistry Chemical Physics 16(32) (2014) 17231–17237.
9. Arrabito G., V. Errico, A. De Ninno, F. Cavaleri, V. Ferrara, B. Pignataro, F. Caselli, Oil-in-water fl droplets by interfacial spontaneous fragmentation and their electrical characteristics, Langmuir 35(14) (2019) 4936-4945.

082 K.D. Danov, R. Dimova, B. Pouligny, Viscous drag of a solid sphere straddling a spherical or flat surface, Phys. Fluids 12(11) (2000) 2711–2722. (**Citations: 70**)

1. Kumar P.B.S., G. Gompper, R. Lipowsky, Bynding dynamics of multicomponent membranes, Phys. Rev. Lett. 86(17) (2001) 3911–3914.
2. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
3. Casner A., Déformations, manipulations et instabilités d'interfaces liquides induites par la pression de radiation d'une onde laser, PhD Thesis, Université Sciences et Technologies – Bordeaux, 2002.
4. Sickert M., F. Rondelez, Shear viscosity of Langmuir monolayers in the low–density limit, Phys. Rev. Lett. 90(12) (2003) Art. No. 126104.
5. Vella D., H.Y. Kim, L. Mahadevan, The wall–induced motion of a floating flexible train, J. Fluid Mech. 502 (2004) 89–98.
6. Allain J.M., Instabilités des membranes lipidiques inhomogènes. Implications biologiques, PhD Thesis, Université Denis Diderot – Paris VII, 2005.
7. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Capillary forces between spherical particles floating at a liquid–liquid interface, Langmuir 21(24) (2005) 11190–11200.
8. Vella D., L. Mahadevan, The "Cheerios effect", Am. J. Phys. 73(9) (2005) 817–825.
9. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451–475.
10. Vassileva N.D., Behavior of Two–Dimensional Aggregates in Shear Flow, PhD Thesis, Group of Complex Fluids, University of Twente, The Netherlands, August 2006.
11. Wu C.Y., S. Tarimala, L.L. Dai, Dynamics of charged microparticles at oil–water interfaces, Langmuir 22(5) (2006) 2112–2116.
12. Pozrikidis C., Particle motion near and inside an interface, J. Fluid Mech. 575 (2007) 333–357.
13. Chen W., P. Tong, Short–time self–diffusion of weakly charged silica spheres at aqueous interfaces, Europhysics Letters 84(2) (2008) art. no. 28003.
14. Dai L.L., S. Tarimala, C.Y. Wu, S. Guttula, J. Wu, The structure and dynamics of microparticles at pickering emulsion interfaces, Scanning 30(2) (2008) 87–95.
15. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Cjemistry and Biochemistry, Florida State University, 2008.
16. Chen W., P. Tong, Short–time self–diffusion of weakly charged silica spheres at aqueous interfaces, EPL 84(2) (2008) Art. No. 28003.
17. Arroyo M., A. Desimone, Relaxation dynamics of fluid membranes, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 79(3) (2009) art. No. 031915.
18. Mabrouk E., D. Cuvelier, L.L. Pontani, B. Xu, D. Levy, P. Keller, F. Brochard–Wyart, P. Nassoy, M.H. Li, Formation and material properties of giant liquid crystal polymersomes, Soft Matter 5(9) (2009) 1870–1878.
19. Wu C.-Y., Particle dynamics and microrheology, PhD Thesis, Chemical Engineering, Texas Tech University, 2009.
20. Aliaskarisohi S., P. Tierno, P. Dhar, Z. Khatarri, M. Blaszczynski, T.M. Fisher, On the diffusion of circular domains on a spherical vesicle, J. Fluid Mechanics 654 (2010) 417–451.

21. Arroyo M., DeSimone A., L. Heltai, the role of membrane viscosity in the dynamics of fluid membranes, Cornell University, 2010, 1007.4934.
22. Maestro A., L.J. Bonales, H. Ritacco, R.G. Rubio, F. Ortega, Effect of the spreading solvent on the three–phase contact angle of microparticles attached at fluid interfaces, Physical Chemistry Chemical Pyshics 12(42) (2010) 14115–14120.
23. Mashayek A., C. Pozrikidis, Motion of a spherical particle inside a liquid film, Acta Mechanica 210(1–2) (2010) 27–46.
24. Murakami D., U. Langer, Z. Khatarri, T.M. Fischer, Fluorinated Langmuir monolayers are more viscous than non–fluorinated monolayers, Journal of Physical Chemistry B 114(16) (2010) 5376–5379.
25. Ortega F., H. Ritacco, R.G. Rubio, Interfacial microrheology: particle tracking and related techniques, Current Opinnion in Colloid and Interface Scuence 15(4) (2010) 237–245.
26. Yang F.–L., A formula for the wall–amplified added mass coefficient for a solid sphere in normal approach to a wall and its application for such motion at low Reynolds number, Physics of Fluids 22(12) (2010) Art. No. 123303.
27. Bonales L.J., A. Maestro, R.G. Rubio, F. Ortega, Microrheology of complex fluids, In: H. Shulz, Ed., Hydrodynamics: Advanced Topics, InTech, 2011, Ch. 7.
28. Erni P., Deformation modes of complex fluid interfaces, Soft Matter 7(17) (2011) 7586–7600.
29. Botto L., E.P. Lewandowski, M. Cavallaro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
30. Pozrikidis C., Capillary attraction of floating rods, Engineering Analysis with Boundary Elements 36(5) (2012) 836–844.
31. Honerkamp-Smith A.R., F.G. Woodhouse, V. Kantsler, R.E. Goldstein, Membrane viscosity determined from shear-driwen flow in giant vesicles, Physical Review Letters 111 (2013) Art. No. 038103.
32. Sinha A., A.K. Mollah, S. Hardt, R. Ganguly, Particle dynamics and separation at liquid-liquid interfaces, Soft Matter 9(22) (2013) 5438–5447.
33. Boatwright T., M. Dennin, R. Shlomovitz, A.A. Evans, A.J. Levine, Probing interfacial dynamics and mechanics using submerged particle microrheology: II. Experiment, Physiscs of Fluids 26 (2014) Art. No. 071904.
34. Memdoza A.J., E. Guzman, F. Martines-Pedrero, H. Ritacco, R.G. Rubio, F. Ortega, V.M. Starov, R. Miller, Particle laden fluid interfaces: dynamics and interfacial rheology, Advances in Colloid and Interface Science 206 (2014) 303–319.
35. Van Gorkom A.J.M., Liquid-liquid interfaces in interaction with colloidal particles: Brownian motion study, PhD Thesis, Eindhoven University of Technology, 2014.
36. Petkov P.V., B. Radoev, Statics and dynamics of capillary bridges, Colloid Surfacea A 460 (2014) 18–27.
37. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
38. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.
39. Stone H., H. Masoud, Mobility of membrane-traped aprticles, Journal of Fluid Mechanics 781 (2015) 494–505.
40. Schenck D.M., Submersion and lateral transport bahavior of microparticles at a lung surfactant interface on model mucus hydrogels, PhD Thesis, University of Iowa, 2015.
41. Debus J.D., M. Mendoza, S. Succi, H.J. Herrmann, Poiseuille flow in curved space, Physical Review E 93 (2016) Art. No. 043316.
42. Lagubeau G., G. Grosjean, A. Darras, G. Lumay, M. Hubert, N. Wandewalle, Statics and dynamics of magnetocapillary bonds, Physical Review E 93(5) (2016) Art. No. 053117.
43. Rahmani A.M., A. Wang, V.N. Manoharan, C.E. Colosqui, Colloidal particle adsorption at liquid interfaces: Capillary driven dynamics and thermally activated kinetics, Soft Matter 12(30) (2016) 6365–6372.
44. Saranjam N., S. Chandra, Bubble clastering in drying paint films, Industrial and Engineerign Chemistry Research 55(50) (2016) 12825–12835.
45. Yang J., J. Zhao, When does a diblock copolymer probe the interfacial rheology effect? Science China Chemistry 59(10) (2016) 1330–1334.
46. Debus J.-D., M. Mendoza, S. Succi, H.J. Herrmann, Energy disipations in flows through curved spaces, Scientific Reports 7 (2017) Art. No. 42350.
47. Fujii S., Smart polymer particles as particulate emulsifier, Journal of the Adhesion Society of Japan 43(2) (2017) 64–71.
48. Koplik J., C. Maldarelli, Diffusivity and hydrodynamic drag of nanoparticles at a vapor-liquid interface, Physical Review Fluids 2(2) (2017) Art. No. 024303.

49. Vidal A., L. Botto, Slip flow past a gas-liquid interface with embedded solid particles, Journal of Fluid Mechanics 813 (2017) 152–174.
50. Van der Wel C., D. Heinrich, D.J. Kraft, Microparticle assembly pathway on lipid membranes, 113(5) (2017) 1037–1046.
51. Das S., J. Koplik, R. Farinato, D.R. Nagaraj, C. Maldarelli, P. Somasundaran, The translation and rotational dynamics of a colloid moving along the air-liquid interface of a thin film, Scientific Reports 8 (2018) Art. No. 8910.
52. Guzman E., J. Tajuelo, J.M. Pastor, M.A. Rubio, F. Ortega, R.G. Rubio, Sgear rheology of fluid interfaces: Closing the gap between macro- and micro-rheology, Current Oppinion in Colloid and Interface Science 37 (2018) 33–48.
53. Grosjean G., Magnetocapillary self-assemblies: Interfacial locomotion at low Reynolds number, PhD Thesis, Liege University, 2018.
54. Gu C., Development of a fast simulation method for particle-laden fluid interfaces and selected applications to problebs involving drops, PhD Thesis, Queen Mary University, London, 2018.
55. Hauser A.W., S. Sundaram, R.C. Hayward, Photothermocapillary oscillators, Physical Review Letters 121 (2018) Art. No. 158001.
56. Федорович М.И., Анализ течений в тонкиь слоях височвязких жидковстей, Дисертация, Санкт-Петербургский НИУ информационних технологии, 2018.
57. Gans A., E. Dressaire, B. Colnet, G. Saingier, M.Z. Bazant, A. Sauret, Dip-coating of suspensions, Soft Matter 15(2) (2019) 252–261.
58. Kouplik J., C. Maldarelli, Molecular dynamics study of the translation and rotation of amphiphilic Janus nanoparticles at a vapor-liquid interface, Physical Review Fluids 4(4) (2019) Art. No. 044201.
59. Stocco A., B. Chollet, X. Wang, C. Blanc, M. Nobili, Rotational diffusion of partially wetted colloids at fluid interfaces, Journal of Colloid and Interface Science 542 (2019) 363–369.
60. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
61. Grosjean G., Magnetocapillary self-assembly. Interfacial locomotion at low Reynolds numbers, PhD Thesis, Liege University, 2019.
62. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
63. Melikhov I.F., I.Y. Popov, Model of cell membrane in ultrasonic field, Chinese Journal of Physics 65 (2020) 334–340.
64. Saad E.J., M.S. Faltas, Thermophoresis of a spherical particle straddling the interface of a semi-infinite micropolar fluid, Journal of Molecular Liquids (2020) Art. No. 113289.
65. Gu C., L. Botto, FIPI: A fast numerical method for the simulation of particle-laden fluid interfaces, Computer Physics Communications 256 (2020) Art. No. 107447.
66. Sanchez-Puga P., J. Tajuelo, J.M. Pastor, M.A. Rubio, Flow field-based data analysis in interfacial shear rheometry, Advances in Colloid and Interface Science 288 (2021) Art. No. 102322.
67. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.
68. Hu Y., P. Vlahovska, M.J. Miksis, Aelectrohydrodynamic assembly of colloidal particles on a drop interface, Mathematical Biosciences and Engineering 18 (2021) 2357–2371.
69. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.
70. Faltas M.S., H.H. Sherief, A.A. Allam, B.A. Ahmed, Mobilities of a spherical particle straddling the interface of a semi-infinite brinkman flow, Journal of Fluid Engineering, Transactions of the ASME 143 (2021) Art. No. 071402.

081 D.S. Valkovska, K.D. Danov, I.B. Ivanov, Effect of surfactants on the stability of films between two colliding small bubbles, Colloids Surfaces A 175 (2000) 179–192. (**Citations: 48**)

1. Kovalchuk V.I., E.K. Zholkovskiy, N.P. Bondarenko, D. Vollhardt, Dissociation of fatty acid and counterion binding at the Langmuir monolayer deposition: theoretical considerations, J. Phys. Chem. B 105(38) (2001) 9254–9265.
2. Yeo L.Y., O.K. Matar, E.S.P. de Ortiz, G.F. Hewitt, The dynamics of Marangoni−driven local film drainage between two drops, J. Colloid Interface Sci. 241(1) (2001) 233−247.
3. von Klitzing R., H.–J. Muller, Film stability control, Curr. Opin. Colloid Int. Sci. 7(1–2) (2002) 42–49.
4. Yeo L.Y., O.K. Matar, E.S. Perez de Ortiz, G.F. Hewitt, Film drainage between two surfactant−coated drops colliding at constant approach velocity, J. Colloid Interface Sci. 257(1) (2003) 93−107.

5. Cristini V., Y.–C. Tan, Theory and numerical simulation of droplet dynamics in complex flows – a review, Lab on a Chip 4(4) (2004) 257–264.
6. Kapilashrami A., K. Eskilsson, L. Bergström, M. Malmsten, Drying of oil–in–water emulsions on hydrophobic and hydrophilic substrates, Colloids Sirfaces A 233(1–3) (2004) 155–161.
7. Leal L.G., Flow induced coalescence of drops in a viscous fluid, Phys. Fluids 16(6) (2004) 1833–1851.
8. Neumann B., B. Vincent, R. Krustev, H.–J. Müller, Stability of various silicone oil/water emulsion films as a function of surfactant and salt concentration, Langmuir 20(11) (2004) 4336–4344.
9. Stancik E.J., M. Kouhkan, G.G. Fuller, Coalescence of particle–laden fluid interfaces, Lagmuir 20(1) (2004) 90–94.
10. Tan S.N., D. Fornasiero, R. Sedev, J. Ralston, The interfacial conformation of polypropylene glycols and foam behaviour, Colloids Surfaces A 250(1–3) (2004) 307–315.
11. Lee J., S. Kentish, T.J. Matula, M. Ashokkumar, Effect of surfactants on inertial cavitation activity in a pulsed acoustic field, J. Phys. Chem. B 109(35) (2005) 16860–16865.
12. Lee J., S.E. Kentish, M. Ashokkumar, The effect of surface–active solutes on bubble coalescence in the presence of ultrasound, J. Phys. Chem. B 109(11) (2005) 5095–5099.
13. Ravera F., M. Ferrari, E. Santini, L. Liggieri, Influence of surface processes on the dilational visco–elasticity of surfactant solutions, Adv. Colloid Interface Sci. 117(1–3) (2005) 75–100.
14. Beneviti D., M.N. Belgacem, B. Carre, Influence of surfactant structure on bubble size and foaming in bubble columns: focus on flotation de–inking, Nordic Pulp and Paper Research Journal 21(5) (2006) 702–709.
15. Gramlich C., G.M. Homsy, Linear stability of an expanding spherical liquid film, Colloids Surfaces A 282–283 (2006) 11–23.
16. Jang S.S., W.A. Goddard III, Structures and properties of newton black films characterized using molecular dynamics simulations, J. Phys. Chem. B 110(15) (2006) 7992–8001.
17. Janssen P.J.A., P.D. Anderson, W.M. Peters, H.E.H. Meijer, Axisymmetric boundary integral simulations of film drainage between two viscous drops, J. Fluid Mechanics 567 (2006) 65–90.
18. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
19. Narsimhan G., G. Wang, Rupture of equilibrium foam films due to random thermal and mechanical perturbations, Colloids Surfaces A 282–283 (2006) 24–36.
20. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30 oils, J. Dispersion Sci. Technology 28(3) (2007) 361–369.
21. Karakashev S.I., A.V. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1–3) (2007) 229–240.
22. Santini E., L. Liggieri, L. Sacca, D. Clausse, F. Ravera, Interfacial rheology of Span 80 adsorbed layers at paraffin oil–water interface and correlation with the corresponding emulsion properties, Colloids Surfaces A 309(1–3) (2007) 270–279.
23. Beneventi D., J. Allix, E. Zeno, P. Nortier, Influence of surfactant concentration on the ink removal selectivity in a laboratory flotation column, International Journal of Mineral Processing 87(3–4) (2008) 134–140.
24. Karakashev S.I., E.D. Manev, A.V. Nguyen, Effect of double–layer repulsion on foam film drainage, Colloids and Surfaces A: Physicochemical and Engineering Aspects 319(1–3) (2008) 34–42.
25. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
26. Bastani D., A. Baghaei, A. Sarrafi, "Bubble bunch" phenomena in orientation of a bubble column, Central Europian Journal of Chemistry 7(4) (2009) 803–808.
27. Interfacial Rheology, R. Miller and L. Liggiery Eds., Ch. 5.
28. Narsimhan G., Stability of thin emulsion film between two oil phases with a viscoelastic liquid–liquid interface, J. Colloid Interface Sci. 330 (2009) 494–500.
29. Beneveti D., O. Baudouin, P. Noriter, Semi-empirical modelling and menagment of flotation deinking banks by process simulations, in: Source: Process Menagenets, 2010, Ch. 7.
30. Grimes B.A., C.A. Dorao, S. Simon, E.L. Nordgard, J. Soblom, Analysis of dynamic surfactant mass transfer and its relationship to the transient stabilization of coalescing liquid–liquid dispersions, J. Colloid Interface Sci. 348(2) (2010) 479–490.
31. Kalogiani E.P., E.–M. Varka, T.D. Karapantsios, M. Kostoglou, E. Santini, L. Liggieri, F. Ravera, A multi–probe non–intrusive electrical technique for monitoring emulsification of hexane–in–water with the emulsifier C10E5 soluble in both phases, Colloid Surfaces A 354(1–3) (2010) 353–363.

32. Miller C.A., Behavior of emulsions and microemulsions, in Nanoscience. Colloidal and Interfacial Aspects, V.M. Starov Ed., CRC Press, Bica Raton, FL, 2010, Ch. 17.
33. Allix J., E. Zeno, P. Nortier, D. Beneventi, Roles of surfactant and fibres on fibre transport in a small flotation deinking column, Chemical Engineering Journal 168(2) (2011) 525–534.
34. Liggieri L., M. Ferrari, F. Ravera, Recent developments in dilatational viscoelasticity of surfactant layers, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 313–344.
35. Zinchenko A.Z., M.A. Rother, Davis R.H., Gravity–induced collisions of spherical drops covered with compressible surfactant, J. Fluid Mechanics, 667 (2011) 369–402.
36. Bournival G., R.J. Pugh, S. Ata, Examination of NaCl and MIBC as bubble coalescence inhibitor in relation to froth flotation, Minerals Engineering 25(1) (2012) 47–53.
37. Bournival G., S. Ata, G.I. Jameson, Frother study through binary coalescence of bubbles, 26th International Mineral Processing Congress, IMPC 2012: Innovative Processing for Sustainable Growth - Conference Proceedings (2012) 630–640.
38. Chevallier E., Cascade d'effects induits par la lumiere aux interfaces liquides, PhD Thesis, Pierre and Marie Curie University, 2013.
39. Friberg S.E, S.H. Friberg, Emulsion formation, in: Encyclopedia of of Colloid and Interface Science 2013, 366–414.
40. Reichert M.D., L.M. Walker, Interfacial tension dynamics, interfacial mechanics, and response to rapid dilution of bulk surfactant of a model oil-water-dispersand system, Langmuir 29(6) (2013) 1857–1867.
41. Sjoblom J., P. Stenius, S. Simon, B.A. Grimes, Emulsion stabilization, in: T. Tadros, Ed., Emcyclopedia of Colloid and Interface Science, Springer-Verlag, 2013, 415–454.
42. Alexandrova S., Film drainage and coalescence of drops in the presence of surfactants, Journal of Chemical Technology and Metallurgy 49(4) (2014) 321–328.
43. Reichert M.D., I.M. Walker, Coalescence behavior of oil droplets coated in irreversibly-adsorbed surfactant layers, Journal Colloid Interface Science 449 (2015) 480–487.
44. Bazhlekov I., D. Vasileva, Numerical modeling of drop coalescence in the presence of soluble surfactants, Journal of Computational and Applied Mathematics 293 (2016) 7–19.
45. Narsimhan G., Characterization of interfacial rheology of protein-stabilized air-liquid interfaces, Food Engineering Reviews 8(3) (2016) 367–392.
46. Bournival G., S. Ata, G.J. Jameson, Bubble and froth stabilizing agents in froth flotation, Muneral Processing and Extractive Metallurgy Review 38(6) (2017) 366–387.
47. Karakashev S.I., Hydrodynamics of foams, Experiments in Fluids 58 (2017) 91.
48. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.

080 K.D. Danov, V.L. Kolev, P.A. Kralchevsky, G. Broze, A. Mehreteab, Adsorption kinetics of ionic surfactants after a large initial perturbation. Effect of surface elasticity, Langmuir 16 (2000) 2942–2956. (**Citations: 19**)

1. Daniel R., J.C. Berg, Diffusion–controlled adsorption at the liquid–air interface: the long–time limit, J. Colloid Interface Sci. 237(2) (2001) 294–296.
2. Gilanyi T., R. Meszaros, I. Varga, Adsorption of catanionic surfactants at air/solution interface, Magy Kem. Foly 107(11) (2001) 476–484.
3. Marinova K.G., N.D. Denkov, Foam destruction by mixed solid–liquid antifoams in solutions of alkyl glucoside: electrostatic interactions and dynamic effects, Langmuir 17(8) (2001) 2426–2436.
4. Tewes F., F. Boury, Formation and rheological properties of the supercritical CO_2 – water pure interface, J. Phys. Chem. B 109(9) (2005) 3990–3997.
5. Moorkanikkara S.N., Development of novel methodologies to analyze the adsorption kinetics of nonionic surfactants, PhD Thesis, MIT, 2007.
6. Song S.L., Z.G. Hu, Q.K. Wang, G. Cheng, X.H. Liu, Physicochemical properties and surface tension prediction of mixed surfactant systems: Triton X–100 with dodecylpyridinium bromide and Triton X–100 with sodium dodecylsulfonate, Journal of Dispersion Science and Technology 29(5) (2008) 763–768.
7. Fainerman V.B., E.V. Aksenenko, A.V. Mys, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed SDS/C_nEO_m, solutions. 3. Dynamics of adsorption and surface dilational rheology of micellar solutions, Langmuir 26(4) (2010) 2424–2429.
8. Klapper P., Tensiometrische Stofftransportuntersuchungen der Zinkextraktion mit dem Kationenaustauscher Di(2-ethylhexyl)phosphorsäure, PhD Thesis, TU Bergakadenie, Frieberg, Germany, 2010.

9. Chang C.-C., Adsorption kinetics of dioctyl sodium sulfosuccinate in aqueous NaCl solution, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
10. Le N.G., Influence of molecular structure on the adsorption of surfactants at water/air interface, PhD Thesis Department of Chemistry, Curtin University, 2012.
11. Liao Y.-C., Adsorption kinetics of sodium dodecylsulfate aqueous solution with NaCl, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
12. Kuo C.-C., A theoretical study of ionic surfactant adsorption kinetics, MSc. Thesis, National Taiwan University of Science and Technology, 2013.
13. Lin C.-H., A study on the adsorption kinetics of ionic surfactants and evaporation behavior of sessile drop, MS Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2014.
14. Onaizi S.A., M.S. Nasser, F. Twaiq, Adsorption and thermodynamics of biosurfactant, surfactin, monolayers at the air-buffered liquid interface, Colloid and Polymer Science 292(7) (2014) 1649–1656.
15. Lin Y.-C., A study iof the adsorption kinetics of decanoic acid and dodecylamine, MSc Thesis, National Taiwan University of Science and Technology, 2015.
16. Sett S., S.I. Karakashev, S.K. Smoukov, A.I. Yarin, Ion-specific effects in foams, Advances in Colloid and Interface Science 225 (2015) 98–113.
17. Hristov J., A unified nonlinear fractional equation of the diffusion-controlled surfactant adsorptioin: Reappraisal and new solution of the Ward-Tordai problem, Journal of King Saud University – Science 28(1) (2016) 7–13.
18. Zeng Y.-H., Advancing/receding contact angles measurements and the adsorption kinetics of ionic surfactants, MSc Thesis, National Taiwan University of Science and Technology, 2016.
19. Bazhlekov I., E. Bazhlekova, Fractional derivative model for diffusion controlled adsorption at liquid/liquid interface, AIP Conferfence Proceedings Vol. 2048 (2018) Art. No. 050012.

079 D.S. Valkovska, K.D. Danov, Determination of bulk and surface diffusion coefficients from experimental data for thin liquid film drainage, J. Colloid Interface Sci. 223 (2000) 314–316. (**Citations: 33**)

1. Stoyanov S.D., N.D. Denkov, Role of surface diffusion for the drainage and hydrodynamic stability of thin liquid films, Langmuir 17 (2001) 1150–1156.
2. Liggiery L., F. Ravera, M. Ferrary, Surface rheology investigation of the 2–D phase transition in n–dodecanol monolayers at the water–air interface, Langmuir 19(24) (2003) 10233–10240.
3. Figuas M., L. Ka’aihue, Oil spill dispersion stability and oil re–surfacing, Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (AMOP) Proceedings 2 (2006) 729–819.
4. Matar O.K., C.J. Lawrence, The effect of surfactant on the flow of a thin liquid film over a spinning disc, Chem. Eng. Sci. 61(4) (2006) 1074–1091.
5. Picard C., L. Davoust, Dilational rheology of an air–water interface functionalized by biomolecules: the role of surface diffusion, Rheologica Acta 45(4) (2006) 497–504.
6. Karakashev S.I., V.A. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1–3) (2007) 229–240.
7. Picard C., Ondes capillaires à une interface fluide fonctionnalisée: détection micromécanique de brins d'AND, PhD Thesis, Institut National Polytechnique de Grenoble, 2007.
8. Yoon Y., A. Hsu, L.G. Leal, Experimental investigation of the effects of copolymer surfactants on flow–induced coalescence of drops, Phys. Fluids 19(2) (2007) Art. No. 023102.
9. Davoust L., Y.–L. Huang, S.–H. Chang, Flow–induced melting of condensed domains within a dispersed Langmuir film, Physics of Fluids 20(8) (2008) art. no. 082105.
10. Huang Y.L., Experiments and modeling on an air–water interface populated by biological molecules, PhD Thesis, Grenoble University, 2009.
11. Yin J., N. Coutris, Y. Huang, Role of Marangoni instability in fabrication of axially and internally grooved hollow fiber membranes, Langmuir 26(22) (2010) 16991–16999.
12. Medved’ I., R. Cerny, Surface diffusion in porous media: A critical review, Microporous and Mesoporous Materials 142(2–3) (2011) 405–422.
13. Yin J., Fabrication of grooved hollow fiber membrane for nerve regeneration: process modeling and performance evaluation, PhD Thesis, Clemson University, 2011.
14. Gong Y., L.G. Leal, Role of symmetric grafting copolymer on suppression of drop coelaescece, Journal of Rheology 56(2) (2012) 397–433.
15. Kosior D., Nanostructures and stability of thin liquid layers, PhD Thesis, Jerzy Haber Institute of Catalisys and Surface Chemistry, Polish Academy of Sciences, Krakow, 2013.

16. Shklyaev S., A.A. Nepomnyashchy, Longwave Marangoni convection in a surfactant solution between poorly conducting boundaries, Journal of Fluid Mechanics 718 (2013) 428–456.
17. Nawaz K., S.J. Schmidt, A.M. Jacobi, Effect of catalyst used in the sol-gel process on the microstructure and adsorption/desorption performance of silica aerogels, International Journal of Heat and Mass Transfer 74 (2014) 25–34.
18. Morozov M., A. Oron, A.A. Nepomnyashchy, Long-wave Marangony convection in a layer of surfactant solution, Physics of Fluids 26 (2014) Art. No. 112101.
19. Miralles V., Migration of biphasic systems by thermal actuation in microconfinement par, PhD Thesis, PhD Thesis, Paris 6, 2015.
20. Mandal S., U. Ghosh, S. Chakraborty, Effect of surfactant on motion and deformation of compound droplets in arbitrary unbounded Stokes flow, Journal of Fluid Mechanics 803 (2016) 200–249.
21. Miralles V., E. Rio, I. Cantat, M.-C. Jullien, Investigating the role of a poorly soluble surfactant in a thermally driven 2D microfoam, Soft Matter 12(33) (2016) 7056–7062.
22. Pan K.-L., Y.-H. Tseng, J.-C. Chen, K.-L. Huang, C.-H. Wang, M.-C. Lai, Controllimg droplet bouncing and coalescence with surfactants, Journal of Fluid Mechanics 799 (2016) 603–636.
23. Raudino A., D. Raciti, A. Grassi, M. Pannuzo, M. Corti, Oscillations of bubble shape cause anormalous surfactant diffusion: Experiments, theory, and simulations, Langmuir 32(34) (2016) 8574–8582.
24. Tarig M., Electrochemical behavior of nitrobenzene in aqueous CTAB, Science International 28(1) (2016) 361–364.
25. Jin H., W. Wang, F. Liu, Z. Yu. H. Chang, K. Li, J. Gong, Roles of interfacial dynamics in the interaction behaviours between deformable oil droplets, International Journal of Multipahse Flow 94 (2017) 44–52.
26. Shklyaev S., A. Nepomnyashchy, Convection in binary liquids: Amplitude equations for stationary and oscillatory patterns. In: Longwave Instabilities and Patterns in Fluids. Advances in Mathematical Fluid Mechanics. Birkhäuser, New York, NY, 2017.
27. Badra A.T., H. Zahaf, H. Alla, T. Roques-Carmes, A numerical modeling of superspreading surfactants on hydrophobic surface, Physics of Fluids 30 (2018) Art. No. 092102.
28. Martinez-Calvo A., A. Sevilla, Temporal stability of free liquid threads with surface viscoelasticity, Journal of Fluid Mechanics 846 (2018) 877–901.
29. Poddar A., S. Mandal, A. Bandopadhyay, S. Chakraborty, Electrical switching pf a surfactant coated drop in Poiseuille flow, Journal of Fluid Mechanics 870 (2019) 27–66.
30. Poddar A., S. Mandal, Bandopadhyay, S. Chakraborty, Electrorheology of a dilute emulsion of surfactant-covered drops, Journal of Fluid Mechanics 881 (2019) 524–550.
31. Shaik V.A., A.M. Ardekani, Swimming sheet near a plane surfactant-laden interface, Physical Review E 99 (2019) Art. No. 033101.
32. Fingas M., Surface chemistry and oil-in-water emulsion stability, Proceedings – 42 AMOP Technical Seminar on Environmental Contamination and Response, 2019, 940–1023.
33. Plou V.D.M., Kinetics of adsorption-based direct air capture, PhD Thesis, Zaragoza University, 2020.

078 R.I. Dimova, K.D. Danov, B. Pouligny, I.B. Ivanov, Drag of a solid particle trapped in a thin film or at an interface: influence of surface viscosity and elasticity, J. Colloid Interface Sci. 226 (2000) 35–43. (**Citations: 42**)

1. Steffen P., P. Heinig, S. Wurlitzer, Z. Khattari, T.M. Fischer, The translational and rotational drag on Langmuir monolayer domains, J. Chem. Phys. 115(2) (2001) 994–997.
2. Wurlitzer S., H. Schmiedel, T.M. Fischer, Electrophoretic relaxation dynamics of domains in Langmuir monolayers, Langmuir 18(11) (2002) 4393–4400.
3. Alain J.M., Instabilites des membranes lipidiques inhomogenes. Implications biologiques. PhD Thesis, Paris University VII, 2005.
4. Heinig P., D. Langevin, Domain shape relaxation and local viscosity in stratifying foam films, European Phys. J. E 18(4) (2005) 483–488.
5. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451–475.
6. Fontes A., H.P. Fernandes, M.L. Barjas–Castro, A.A. de Thomas, L. de Ysasa Pozzo, L.C. Barbosa, C.L. Cesar, Red blood cell membrane viscoelasticity, agglutination and zeta potential measurements with double optical tweezers, Progress in Biomedical Optics and Imaging – Proceedings of SPIE 6088 (2006) Art. no. 608811.
7. Fontes A., H.P. Fernandes, M.L. Barjas–Castro, A.A. de Thomas, L. de Ysasa Pozzo, L.C. Barbosa, C.L. Cesar, Measuring electrical and mechanical properties of red blood cells with a double optical tweezers, Proceedings of SPIE – The International Society for Optical Engineering 6326 (2006) Art. No. 63260N.

8. Picard C., L. Davoust, Dilational rheology of an air–water interface functionalized by biomolecules: the role of surface diffusion, Rheologica Acta 45(4) (2006) 497–504.
9. Fernandes H.P., A. Fontes, A.A. de Thomaz, L.C. Barbosa, M.L. Barjas–Castro, C.L. Cesar, Studying red blood cell agglutination by measuring membrane viscosity with optical tweezers, Proceedings of SPIE – The International Society for Optical Engineering 6644 (2007) art. No. 66440M.
10. Fontes A., H.P. Fernandes, A.A. de Thomaz, L.C. Barbosa, M.L. Barjas–Castro, C.L. Cesar, Studying red blood cell agglutination by measuring electrical and mechanical properties with a double optical tweezers, Progress in Biomedical Optics and Imaging – Proceedings of SPIE 6633 (2007) Art. No. 66330R.
11. Picard C., Ondes capillaires à une interface fluide fonctionnalisée: détection micromécanique de brins d'AND, PhD Thesis, Institut National Polytechnique de Grenoble, 2007.
12. Sickert M., F. Rondelez, H.A. Stone, Single-particle brownian dynamics for characterizing the rheology of fluid langmuir monolayers, EPL 79(16) (2007) Art. No. 66005.
13. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Cjemistry and Biochemistry, Florida State University, 2008.
14. Fontes A., H.P. Fernandes, A.A. de Thomaz, L.C. Barbosa, M.L. Barjas–Castro, C.L. Cesar, Measuring electrical and mechanical properties of red blood cels with double optical tweezers, J. Biomedical Optics 13(1) (2008) art. No. 014001.
15. Guzman E., H. Ritacco, F. Ortega, T. Svitova, C.J. Radke, R.G. Rubio, Adsorption Kinetics and Mechanical Properties of Ultrathin Polyelectrolyte Multilayers: Liquid–Supported versus Solid–Supported Films, J. Physical Chemistry B 113(20) (2009) 7128–7137.
16. Peng Y., W. Chen, Th.M. Fisher, D.A. Weitz, P. Tong, Short–time self–diffusion of nearly hard spheres at an oil–water interface, Journal of Fluid Mechanics 618 (2009) 243–261.
17. Spiratou E., E.A. Mourelatou, M. Makropoulou, C. Dementzos, Atomic force microscopy: a tool to study the structure, dynamics and stability of liposomal drug delivery systems, Expert Opinion on Drug Delivery 6(3) (2009) 305–317.
18. Ally J., A. Amirfazli, Magnetophoretic measurement of the drag force on partially immersed microparticles at air–liquid interfaces, Colloids ad Surfaces A: Physicochemical and Enginnering Aspects 360(1–3) (2010) 120–128.
19. Ally J.M., Magnetically targeted deposition and retention of particles in the airways for drug delivery, PhD Thesis, Edmonton, Alberta, 2010.
20. Bonales L.J., A. Maestro, R.G. Rubio, F. Ortega, Microrheology of complex fluids, In: Hydrodynamics: Advanced Topics, 2010, Ch. 7.
21. Murakami D., U. Langer, Z. Khatarri, T.M. Fischer, Fluorinated Langmuir monolayers are more viscous than non–fluorinated monolayers, Journal of Physical Chemistry B 114(16) (2010) 5376–5379.
22. Ortega F., H. Ritacco, R.G. Rubio, Interfacial microrheology: particle tracking and related techniques, Current Opinnion in Colloid and Interface Scuence 15(4) (2010) 237–245.
23. Wilke N., F. Vega Mercado, B. Maggio, Rheological properties of a two phase lipid monolayer at the air/water interface: Effect of the composition of the mixture, Langmuir 26(3) (2010) 11050–11059.
24. Maestro A., L.J. Bonales, H. Ritacco, T.M. Fischer, R.G. Rubio, F. Ortega, Surface rheology: macro- and microrheology of poly(tert-butyl acrylate), Soft Matter 7(17) (2011) 7761–7771.
25. Botto L., E.P. Lewandowski, M. Cavallaro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
26. Fuller G.G., J. Vermant, Complex fluid-fluid interfaces: rheology and structure, Annual Review of Chemical and Biomolecular Enginnering 3 (2012) 519–543.
27. Memdoza A.J., E. Guzman, F. Martines-Pedrero, H. Ritacco, R.G. Rubio, F. Ortega, V.M. Starov, R. Miller, Particle laden fluid interfaces: dynamics and interfacial rheology, Advances in Colloid and Interface Science 206 (2014) 303–319.
28. Petkov P.V., B. Radoev, Statics and dynamics of capillary bridges, Colloid Surfacea A 460 (2014) 18–27.
29. Bournival G., S. Ata, E.J. Wanless, The role of particles in multiphase processes, Advances in Colloid and Interface Science 225 (2015) 114–133.
30. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
31. Schenk D.M., Submersion and lateral transport behavior of microparticles at a lung surfactant interface on model mucus hydrogels, PhD Thesis, University of Iowa, 2015.
32. Spyratou E., E. Cunaj, G. Tsigaridas, E.A. Mourelatou, C. Demetzos, A.A. Serafetinidis, M. Makropoulou, Measurements of liposome biomechanical properties by combining line optical tweezers and dielectrophoresis, Journal of Liposome Research 25(3) (2015) 202–210.
33. Stone H., H. Masoud, Mobility of membrane-trapped particles, Journal of Fluid Mechanics, 781 (2015) 494–505.

34. Dadashvand N., C.M. Othon, Temperature dependent heterogeneous rotational correlation in lipids, Physical Biology 13(6) (2016) Art. No. 066004.
35. Elfring G.J., L.G. Leal, T.M. Squires, Surface viscosity and Marangoni stresses at surfactant laden interfaces, Journal of Fliud Mehcanics 792 (2016) 712–739.
36. Shigyou K., K.N. Nagai, T. Hamada, Lateral diffusion of submicrometer particle on a lipid bylayer membrane, Langmuir 32(51) (2016) 13771–13777.
37. Aldi N., N. Casari, D. Dainese, M. Morini, M. Pinelli, P.R. Spina, A. Suman, Fouling of multisage axial compressor in the presence of a third substance at the particle/surface interface, Proceedings of the ASME Turbo Expo, 2D-2018, Code 138886.
38. Guzman E., J. Tajuelo, J.M. Pastor, M.A. Rubio, F. Ortega, R.G. Rubio, Sgear rheology of fluid interfaces: Closing the gap between macro- and micro-rheology, Current Oppinion in Colloid and Interface Science 37 (2018) 33–48.
39. Mangiarotti A., V.V. Galassi, E.N. Puentes, R.G. Oliveira, M.G. Del Popolo, N. Wilke, Haponoids like sterols form compact but fluid films, Langmuir 35(30) (2019) 9848–9857.
40. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
41. Yu J., J. Mao, M. Nagao, W. Bu, B. Lin, K. Hong, Z. Jiang, Y. Liu, S. Qian, M. Tirrell, W. Chen, Structure and dynamics of lipid membranes interacting with antivirulence end-phosphorylated polyethylene glycol block copolymers, Soft Matter 16 (2020) 983–989.
42. Sanchez-Puga P., J. Tajuelo, J.M. Pastor, M.A. Rubio, Flow field-based data analysis in interfacial shear rheometry, Advances in Colloid and Interface Science 288 (2021) Art. No. 102322.

075 R. Dimova, C. Dietrich, A. Hadjiski, K. Danov, B. Pouligny, Falling ball viscosimetry of gain vesicle membranes: finite–size effects, Eur. Phys. J. B 12 (1999) 589–598. (**Citations: 71**)

1. Dobereiner H.G., Properties of giant vesicles, Curr. Opin. Colloid Int. Sci. 5(3–4) (2000) 256–263.
2. Helfer E., S. Harlepp, L. Bourdieu, J. Robert, F.C. MacKintosh, D. Chatenay, Viscoelastic properties of actin–coated membranes, Phys. Rev. E 63(2) (2001) 1–13.
3. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
4. Rutenberg A.D., M. Grant, Curved tails in polymerization-based bacterial mobility, Physical Review E 64 (2001) 7.
5. Casner, A. Déformations, manipulations et instabilités d'interfaces liquides induites par la pression de radiation d'une onde laser, Ph.D. Thesis, Bordeaux Univ., 2002.
6. Buersing H., Photon Echo Spectroscopie zur Dynamik der Solvatation in Wasser und an Lipidmembran Wasser Grenzschichten, PhD Thesis, Goetingen Univ., 2002.
7. Shillcock J.C., R. Lipowsky, Dissipative particle dynamics simulations of planar amphiphilic bilayers, in: H. Rollnik, D. Wolf (Eds.), NIC Symposium 2001, Proceedings, John von Neumann Institute for Computing, Julich, NIC Series, Vol. 9, 2002, pp. 407–417.
8. Shillcock J.C., R. Lipowsky, Equilibrium structure and lateral stress distribution of amphiphilic bilayers from dissipative particle dynamics simulations, J. Chem. Phys. 117(10) (2002) 5048–5061.
9. Karcher H., J. Lammerding, H.D. Huang, R.T. Lee, R.D. Kamm, M.R. Kaazempur–Mofrad, A three–dimensional viscoelastic model for cell deformation with experimental verification, Biophysical J. 85(5) (2003) 3336–3349.
10. Fleck C.C., R.R. Netz, Electrostatic colloid–membrane binding, Europhys. Lett. 67(2) (2004) 314–320.
11. Nikolov V.K., Model membranes grafted with long polymers, PhD Thesis, Mathematisch–Naturwissenschaftlichen Fakultaet, Universitaet Potsdam, Germany, 2004.
12. Purrucker O., Establishment of a New Plasma Membrane Model with Well–Defined Polymer Spacers, PhD Thesis, Physics Department, Technical University, Munich, Germany, 2004.
13. Fleck C., Fluctuating charged membranes, PhD Thesis, Technical University, Munich, Germany, 2005.
14. Shkulipa S.A., W.K. den Otter, W.J. Briels, Surface viscosity, diffusion, and intermonolayer friction: simulating sheared amphiphilic bilayers, Biophys. J. 89(2) (2005) 823–829.
15. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451–475.
16. Karcher H., The mechanics of mechanotransduction: analyses of cell perturbation, PhD Thesis, MIT, 2006.
17. Shkulipa S.A., Computer simulation of lipid bilayer dynamics, PhD Thesis, University of Twente, 2006.
18. Shkulipa S.A., W.K. den Otter, W.J. Briels, Simulations of the dynamics of thermal undulations in lipid bilayers in the tensionless state and under stress, J. Chem. Phys. 125(23) (2006) Art. No. 234905.
19. den Otter W.K., S.A. Shkulipa, Intermonolayer friction and surface shear viscosity of lipid bilayer membranes, Biophysical J. 93(2) (2007) 423–433.

20. Faivre M., Gouttes, vésicules et globules rouges: Deformabilité et comportement sous écoulement, PhD Thesis, Université Joseph–Fourier – Grenoble, 2007.
21. Noquchi H., G. Gompper, Swinging and tumbling of fluid vesicles in shear flow, Phys. Rev. Lett. 98(12) (2007) Art. No. 128103.
22. Zhang C.Y., Y.W. Zhang, Effects of membrane pre–stress and intrinsic viscoelasticity on nanoindentation of cells using AFM, Philosophical Magazine 87(23) (2007) 3415–3435.
23. Allen K.B., B. Layton, A mechanical model for cytoskeleton and membrane interactions in neuronal growth cones, ASME International Mechanical Engineering Congress and Exposition, Proceedings 10B (2008) 925–929.
24. Allen K.B., Stress and deformation of biological membranes during cellular outgrowth and cell and liposome injection: a numerical and experimental study, PhD Thesis, Drexel University, USA, 2008.
25. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Cjemistry and Biochemistry, Florida State University, 2008.
26. Palmer J.S., Microstructurally–based constitutive models of cytoskeletal networks for simulation of the biomechanical response of biological cells, PhD Thesis, MIT, 2008.
27. Vorobev P., Role of membranes in hydrodynamic interaction of small particles, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 77(4) (2008) Art. No. 046306.
28. Spiratou E., E.A. Mourelatou, A. Georgopoulus, C. Demetzos, M. Makropoulou, A.A. Serafetinidis, Line optical tweezers: A tool to induce transformations in stained liposomes and to estimate shear modulus, Colloids and Surfaces A: Physicochemical and Engineering Aspects 349(1–3) (2009) 35–42.
29. Tajparast M., M.I. Glavinovich, Forces and stresses acting on fusion pore membrane during secretion, Biochimica et Biophysica Acta–Biomembranes 1788(5) (2009) 1009–1023.
30. Aliaskarisohi S., P. Tierno, P. Dhar, Z. Khatarri, M. Blaszczynski, T.M. Fisher, On the diffusion of circular domains on a spherical vesicle, J. Fluid Mechanics 654 (2010) 417–451.
31. Camley B.A., C. Esposito, T. Baumgart, F.L.H. Brown, Lipid bilayer domain fluctuations as a probe of membrane viscosity, Biophysical Journal 99(6) (2010) L44–L46.
32. Camley B.A., F.L.H. Brown, Dynamic simulations of multicomponent lipid membranes over long length and time scales, Phys. Rev. Letters 105(14) (2010) Art. No. 148102.
33. Negishi M., T. Sakaue, K. Yoshikawa, Mismatch of bulk viscosity reduces interfacial diffusivity at an aqueous–oil system, Physical Review E 81(2) (2010) art. No. 020901.
34. Powers T.R., Dynamics of filaments and membranes in a viscous fluid, Reviews of Modern Physics 82(2) (2010) 1607–1631.
35. Abkarian M., G. Massiera, L. Berry, M. Rogues, C. Braun-Breton, A novel mechanism for egress of malarial parasites from red blood cells, Blood 117(15) (2011) 4118–4124.
36. Brown F.L., Continous simulatioin of biomembrane dynamics and the importance of hydrodynamic effects, Quarterly Reviews of Biophysics 44(4) (2011) 391–432.
37. Camley B.A., F.H.L. Brown, Dynamic scaling in phase separation kinetics for quasi-two-dimensional membranes, Journal of Chemical Physics 135(22) (2011) Art. 225106.
38. Callan-Jones A., O.E. Albarran-Arriagada, G. Massiera, V. Lorman, M. Abkarian, Red blood cell membrane dynamics during malaria parasite egress, Biophysical Journal 103(12) (2012) 2475–2483.
39. Camley B.A., F.H.L. Brown, Contributions to membrane-embedded-protein diffusion beyond hydrodynamic theories, Physical Review E 85(6) (2012) Art. 061921.
40. Hamada T., M. Morita, M. Miyakawa, R. Sugimoto, A. Hatanaka, M.C. Vestergaard, M. Takagi, Size-dependent partitioning of nano/microparticles mediated by membrane lateral heterogeneity, Journal of American Chemical Society 134(34) (2012) 13990–13996.
41. Herold C., Diffusion and Conformational Dynamics of Semiflexible Macromolecules and Supramolecular Assemblies on Lipid Membranes, Ph. D. Thesis, Technical University, Dresden, 2012.
42. Honerkamp-Smith A.R., B.B. MacHta, S.L. Keller, Experimental observations of dynamic critical phenomena in a lipid membrane, Physical Rewiev Letters 108(26) (2012) Art. 265702.
43. Srivastav A., Interaction et diffusion hydrodynamiques dans une suspension de v´esicules et globules rouges, PhD Thesis, Universitet Grenoble, 2012.
44. Stanich C.A., Coarsing dynamics of domaims in lipid membranes, PhD Thesis, Washington University, 2012.
45. Woodhouse F.G., R.E. Goldstein, Shear-driven circulation patterns in lipid membrane vesicles, Journal of Fluid Mechanics 705 (2012) 165–175.
46. Arriagada O.E.A., Curling dynamics of naturally curved surfaces: axisymmetric bio-membranes and elastic ribbons, PhD Thesis, Monpellier University II, 2013.
47. Honerkamp-Smith A.R., F.G. Woodhouse, V. Kantsler, R.E. Goldstein, Membrane viscosity determined from shear-driwen flow in giant vesicles, Physical Review Letters 111 (2013) Art. No. 038103.

48. Machta B.B., Criticality in cellular membranes and the information geometry of simple models, PhD Thesis, Cornell University, 2013.
49. Serafetinides A.A., M. Makropoulou, E. Spyratou, Optical tweezers and cell biomechanics in macro- and nano-scale, Proceedings of SPIE – The International Society of Optical Engineering, 8770 (2013) Art. No. 877014.
50. Stanich C.A., A.R. Honerkamp-Smith, G.G. Putzel, C.S. Warth, A.K. Lamprecht, P. Mandal, E. Mann, T.-A.D. Hua, S.L. Keller, Coarsening dynamics of domains in lipid membranes, Biophysical Journal 105(2) (2013) 444–454.
51. Camley B.A., F.L.H. Brown, Flutuating hydrodynamics of multicomponent membranes with embedded proteins, J. Chemical Physics 141(7) (2014) Art. No. 075103.
52. Hormel T.T., S.Q. Kurihara, M.K. Brennan, M.C. Wozniak, R. Parthasarathy, Measuring lipid membrane viscosity using rotational and translational probe diffusion, Phusical Review Letters 112(18) (2014) Art. No. 188101.
53. Meinel A., B. Trankle, W. Romer, A. Rohrbach, Induced phagocytic particle uptake into a giant unilamellar vesicle, Soft Matter 10(20) (2014) 3667–3678.
54. Micheletto Y.M.S., Estudo de vesículas unilamelares gigantes por meio de microscopia óptica de fluorescência e confocal, PhD Thesis, Universidade Federal do Rio Grande do Sul. Instituto de Química. Programa de Pós-Graduação em Química, 2014.
55. Salipante P.F., P.M. Vlahovska, Vesicle deformation in DC electric pulses, Soft Matter 10(19) (2014) 3386–3393.
56. Habel J., A. Ogbonna, N. Larsen, S. Cherre, S. Kynde, K. Kinoshita, S. Krabbe, G.V. Jensen, J.S. Hansen, K. Almdal, C. Helix-Nielsen, Selecting analytical tools for characterization of polymersomes in aqueous solution, RSC Advances 5(97) (2015) 79924–79946.
57. Hormel T.T., M.A. Reyer, R. Parthasarathy, Two-point microrheology of phase-separated domains in lipid bilayers, Biophysical Journal 109(4) (2015) 732–736.
58. Hormel T.T., The microrheology of lipid bilayers, PhD Thesis, University of Oregon, 2015.
59. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.
60. Levant M., V. Steinberg, Intyermediate regime and a phase diagram of red blood cell dynamics in a linear flow, Physical Review E 94 (2016) Art. No. 062412.
61. Shigyou K., K.N. Nagai, T. Hamada, Lateral diffusion of submicrometer particle on a lipid bylayer membrane, Langmuir 32(51) (2016) 13771–13777.
62. Sigurdsson J.K., P.J. Atzberger, Hydrodynamic coupling of particle inclusions embedded in curved lipid bilayer membranes, Soft Matter 12(32) (2016) 6685–6707.
63. Tabaei S.R., J.J.J. Gillissen, M.C. Kim, J.C.S. Ho, B. Liedberg, A.N. Parikh, N.-J. Cho, Brownian dynamics of electrostatically adhering small vesicles to a membrane surface induces domains and probes viscosity, Langmuir 32(21) (2016) 5445–5450.
64. Yi X., H. Gao, Incorporation of soft particles into lipid vesicles: Effects of particle size and elasticity, Langmuir 32(49) (2016) 13252–13260.
65. Nagao M., E.G. Kelley, R. Ashkar, R. Bradbury, P.D. Butler, Probinf elastic and viscous properties of phospholipid bilayers using neutron spin echo spectroscopy, Journal of Physical Chemistry Letters 8(19) (2017) 4679–4684.
66. Venable R.M., H.I. Ingolfsson, M.G. Lerner, B.S. Perrin, B.A. Camley, S.J. Marrink, F.L.H. Brown, R.W. Pastor, Lipid and peptide diffusion in bilayers: The Safmann-Delbruck model and pwriodic boundary conditions, Journal of Physical Chemsitry B 121(15) (2017) 3443–3457.
67. Van der Wel C., N. Bossert, Q.J. Mank, M.G.T. Winter, D. Heinrich, D.J. Kraft, Surfactant-free colloidal particles with specific binding affinity, Langmuir 33(38) (2017) 9803–9810.
68. Van der Wel C., D. Heinrich, D.J. Kraft, Microparticle assembly pathway on lipid membranes, Biophysical Journal 113(5) (2017) 1037–1046.
69. Sadeghi M., T.R. Weikl, F. Noe, Particle-based membrane model fro mesoscopic simulation of cellular dynamics, Journal of Chemical Physics 148(4) (2018) Art. No. 044901.
70. Sadeghi M., F. Noe, Large-scale simulation of biomembranes incorporating realistic kinetics into coarse-grained models, Nature Communications 11 (2020) Art. No. 2951.
71. Amador G.J., D. van Dijk, R. Kieffer, M.-E. Aubin-Tam, D. Tam, Hydrodynamic shear dissipation and transmission in lipid bilyers, PNAS 118 (2021) Art. No. e2100156118.

074 K. Velikov, K. Danov, M. Angelova, C. Dietrich, B. Pouligny, Motion of a massive particle attached to a spherical interface: statistical properties of the particle path, Colloids Surfaces A 149 (1999) 245–251. (**Citations: 6**)

1. Helfer E., S. Harlepp, L. Bourdieu, Viscoelastic properties of actin–coated Membranes, Phys. Rev. E 63(2) (2001) 1–13.
2. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 9.
3. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
4. Rutenberg A.D., M. Grant, Curved tails in polymerization-based bacterial mobility, Physical Review E 64 (2001) 7.
5. Puff N., Angelova M.I., Lipid vesicles – development and application for studding membrane heterogeneity and interactions, Advances in Planar Lipid Bilayers and Liposomes, 5 (2006) 173–228.
6. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.

073 I.B. Ivanov, K.D. Danov, P.A. Kralchevsky, Flocculation and coalesce of micron–size emulsion droplets, Colloids Surfaces A 152 (1999) 161–182. (**Citations: 111**)

1. Goldszal A., M. Bourrel, Demulsification of crude oil emulsions: correlation to microemulsion phase behavior, Ind. Eng. Chem. Res. 39(8) (2000) 2746–2751.
2. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
2. Babak V.G., M.–J. Stebe, Highly concentrated emulsions: physicochemical principles of formulation, J. Dispersion Sci. Technology 23(1–3) (2002) 1–22.
3. Banker G.S., C.T. Rhodes, Modern Pharmaceutics, Marcel Dekker, New York, 2002, Ch. 9. Disperse systems.
4. Gurkov T.D., E.S. Basheva, Hydrodynamic behavior and stability of approaching deformable drops, in: A. T. Hubbard (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
5. Mishchuk N.A., R. Miller, A. Steinchen, A. Sanfeld, Conditions of coagulation and flocculation in dilute mini–emulsions, J. Colloid interface Sci. 256(2) (2002) 435–450.
6. Dukhin S.S., N.A. Mishchuk, G. Loglio, L. Liggieri, R. Miller, Coalescence coupling with flocculation in dilute emulsions within the primary and/or secondary minimum, Adv. Colloid Interface Sci. 100–102 (2003) 47–81.
7. Urbina–Villalba G., M. Garcia–Sucre, J. Toro–Mendoza, Average hydrodynamic correction for the Brownian dynamics calculation of flocculation rates in concentrated dispersions, Phys. Rev. E 68(6) (2003) 614081–614089.
8. Galindo–Rodriguez S., E. Allemann, H. Fessi, E. Doelker, Physicochemical parameters associated with nanoparticle formation in the salting–out, emulsification–diffusion, and nanoprecipitation methods, Pharmaceutical Research 21(8) (2004) 1428–1439.
9. Gokhale S.J., S. DasGupta, J.L. Plawsky, P.C. Weiner Jr., Reflectivity–based evaluation of the coalescence of two condensing drops and shape evolution of the coalesced drop, Phys. Rev. E 70(5) (2004) 1–12.
10. Lee S.T., N.S. Ramesh, Shau–Tarng Lee, Polymeric Foams: Mechanisms and Materials, CRC Press, Boca Raton, FL, 2004, p. 171.
11. Mishchuk N.A., A. Sanfeld, A. Steinchen, Interparticle interactions in concentrate water–oil emulsions, Adv. Colloid Interface Sci. 112(1–3) (2004) 129–157.
12. Mishchuk N.O., Coalescence kinetics of Brownian emulsions, in: D.N. Petsev (Ed.), Emulsions: Structure Stability and Interactions, Elsevier, London, 2004, p. 351.
13. Neumann B., B. Vincent, R. Krustev, H.–J. Müller, Stability of various silicone oil/water emulsion films as a function of surfactant and salt concentration, Langmuir 20(11) (2004) 4336–4334.
14. Rekvig L., B. Hafskjold, B. Smit, Molecular simulations of surface forces and film rupture in oil/water/surfactant systems, Langmuir 20(26) (2004) 11583–11593.
15. Zhang X.D., R.A. Neff, C.W. Macosco, Faom stability in flexible polyurethane, in: Polymer Foams: Mechanisms and materials, 2004, Ch. 5.
16. Zimmerman J.B., K.F. Hayes, S.J. Skerlos, Influence of ion accumulation on the emulsion stability and performance of semi–synthetic metalworking fluids, Environ. Sci. Technol. 38(8) (2004) 2482–2490.
17. Lyklema J. (Ed.), Fundamentals of Interface and Colloid Science, Vol. 5: Soft Colloids, Elsevier, Amsterdam, 2005, p. 218.
18. Melean Y., L.D.G. Sigalotti, Coalescence of colliding van der Waals liquid drops, Int. J. Heat Mass Transfer 48(19–20) (2005) 4041–4061.

19. Valladares S.M., Estabilidad de emulsiones relacionada con el proceso de deshidratacion de crudos, PhD Thesis, Universidad de Los Andes, 2005.
20. Wlastra P., Emusions, Funcamental of Interface and Colloid Science, Vol. 5: Soft Colloids, Elsevier, Amsterdam, 2005, p. 1–94.
21. Yan L., Stability, Transport and Applications of Polyaphrons in Porous Media, PhD Thesis, Department of Chemical Engineering, Louisiana State University, Baton Rouge, 2005.
22. Avila C., Interfacial phenomena in oil-in-water emulsions, PhD Thesis, University of Tulsa, 2006.
23. Basheva E.S., T.D. Gurkov, N.C. Christov, B. Campbell, Interactions in oil/water/oil films stabilized by β–lactoglobulin; role of the surface charge, Colloids Surfaces A 282–283 (2006) 99–108.
24. Egger H., K.M. McGrath, Aging of oil–in–water emulsions: the role of the oil, J. Colloid Interafce Sci. 299(2) (2006) 890–899.
25. Filip–Boar D., AFM–CSLM microrheology of aggregated emulsions, PhD Thesis, University of Twente, 2006.
26. Fingas M., L. Ka'aihue, Oil spill dispersion stability and oil re–surfacing, Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (AMOP) Proceedings 2 (2006) 729–819.
27. Yan L., K.E. Thompson, K.T. Valsaraj, A numerical study on the coalescence of emulsion droplets in a constricted capillary tube, J. Colloid Interface Sci. 298(2) (2006) 832–844
28. Babak V.G., Highly concentrated emulsions: Physicochemical principals of the preparation and stability, Uspekhi Khimii 77 (2008) 729–756.
29. Holtze C., A.C. Rowat, J.J. Agresti, etc., Biocompatible surfactants for water–in–fluorocarbon emulsions, Lab on a Chip – Miniaturisation for Chemistry and Biology 8(10) (2008) 1632–1639.
30. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140 (1) (2008) 1–65.
31. Florence, A.T.; Siepmann, J., Eds., Modern Pharmaceutics, Fifth Edition, Volume 1: Basic Principles and Systems (Drugs and the Pharmaceutical Sciences), Informa HealthCare; New York, 2009.
32. Fukushima J., H. Tatsuta, N. Ishii, J. Chen, T. Nishiumi, K. Aoki, Possibility of coalescence of water droplets in W/O emulsions by means of surface processes, Colloids and Surfaces A: Physicochemical and Engineering Aspects 333(1–3) (2009) 53–58.
33. Rungseevijitprapa W., F. Siepman, J. Siepman, O. Paeratakul, Disperse systems, in: Modern Pharmaceutics, 2009, Ch. 11.
34. Urbina–Villalba G., A. Forgiarini, K. Rahn, A. Lozsan, Influence of flocculation and coalescence on the evolution of the average radius of an O/W emulsion. Is a linear slope of R^3 vs. t an unmistakable signature of Ostwald ripening? Physical Chemistry Chemical Physics 11(47) (2009) 11184–11195.
35. Urbina–Villalba G., An algorithm for emulsion stability simulations: account of flocculation, coalescence, surfactant adsorption and the process of Ostwald ripening, Int. J. Mol. Sci. 10 (2009) 761–804.
36. Wee G.C., In Vitro and in Vivo investigation of nanoparticles of a novel copolymer for substained and controlled delivery of docetaxel, MSc Thesis, National University of Singapore, 2009.
37. Hempoonsert J., B. Tansel, S. Laha, Effect of temperature and pH on droplet aggregation and phase separation characteristics of flocs formed in oil–water emulsions after coagulation, Colloids and Surfaces A: Physicochemical and Engineering Aspects 353(1) (2010) 37–42.
38. Klapper P., Tensiometrische Stofftransportuntersuchungen der Zinkextraktion mit dem Kationenaustauscher Di(2-ethylhexyl)phosphorsäure, PhD Thesis, TU Bergakadenie, Frieberg, Germany, 2010.
39. Pichot R., Stability and characterisation of emulsions in the presence of colloidal particles and surfactants, PhD Thesis, university of Birmingham, 2010.
40. Rojas C., G. Urbina–Villalba, M. Garcia–Sucre, Lifetime of micrometer–sized drops of oil pressed by buoyancy against a planar interface, Physical Review E 81(1) (2010) Art. No. 016302.
41. Rojas C., M. Garcia–Sucre, G. Urbina–Villalba, Lifetime of oil drops pressed by buoyancy against a planar interface: Large drop, Physical Review E 82(5) (2010) Art. No. 056317.
42. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
43. Ventureira J.L., Propiedades estructurales y funcionales de preparados proteicos de amaranto modificados y soja-amaranto, PhD Thesis, Universidad Nacinoal de la Plata, 2010.
44. Gurkov T.D., J.K. Angarska, K.D. Tachev, W. Gaschler, Statistics of rupture in relation to the stability of thin liquid films with different size, Colloid Surfaces A 382(1–3) (2011) 174–180.
45. Hasinovic H., S.E. Friberg, Destabilization mechanisms in a triple emulsion with Janus drops, J. Colloid Interface Sci. 361(2) (2011) 581–586.

46. Long T., C.A. Ramsburg, Encapsulation of nZVI particles using a Gum Arabic stabilized oil-in-water emulsion, Journal of Hazardous Materials 189(3) (2011) 801–808.
47. Mishchuk N.A., Theoretical problems of stability of Brownian disperse systems, Journal of Water Chemistry and Technology 33(4) (2011) 207–214.
48. Mukherjee B., B.A. Wrenn, Effects of physical properties and dispersion conditions on the chemical dispersion of crude oil, Environmental Engineering Science 28(4) (2011) 263–273.
49. Osorio P., G. Urbina-Villalba, Influence of drop deformability on the stability of decane-in-water emulsions, Journal of Surfactants and Detergents 14(2) (2011) 281–300.
50. Frid M.M., Controling and imaging multi-component dispersed-phase nanoemulsions, PhD Thesis, University of California, LA, 2012.
51. Graceffa R., M. Burghammer, R.J. Davies, C. Riekel, Probing ballistic microdrop coalescence stroboscopic small-angle X-ray scattering, Applied Physics Letters 25 (2012) Art. No. 254101.
52. Hsieh C.-W., P.-H. Li, I.-C. Lu, T.-H. Wang, Preparing glabridib-in-water nanoemulsions by high presure homogenization with response surface methodology, Journal of Oleo Science 61(9) (2012) 483–489.
53. Krebs T., C.P.G.H. Schroen, R.M. Boom, A microfluidic study of oil-water separation kinetics, in: Advances in Fluid Mechanics, IX, 2012.
54. Krebs T., K. Schroen, R. Boom, A microfluidic method to study demulsification kinetics, Lab on a Chip – Miniaturisation for Chemistry and Biology 12(6) (2012) 1060–1070.
55. Krebs T., K. Schroen, R. Boom, Separation kinetics of an oil-in-water emulsion under enhanced gravity, Chemical Enginering Science 71 (2012) 118–125.
56. Long T., C.A. Ramsburg, Gum arabic encapsulation of reactive particles for enhanced delivery during dubdurface restoration, Patent Corporation Treaty Application, June 2012.
57. Rahn-Chique K., A.M. Puertas, M.S. Rumero-Cano, C. Rojas, G. Urbina-Villalba, Nanoemulsion stability: experimental evaluation of the flocculation rate from turbidity measurements, Adv. Colloid Interface Sci. 178 (2012) 1–20.
58. Rahn-Chique K., A.M. Puertas, M.S. Rumero-Cano, C. Rojas, G. Urbina-Villalba, Evaluation of a flocculation speed in oil/water nanoemulsions. 1. Development of theoretical expressions for the turbidity of a nanoemulsion. Interciencia 37(8) (2012) 577–581.
59. Roberts C., Spatio-temporal analysis of changes of shape for constituent bodies within biomolecular aggregates, PhD Thesis, University of East Anglia, 2012.
60. Urbina-Villalba G., Rahn-Chique K., Short-time evolution of alkane-in-water nano-emulsions, Revista del Centro de Estudios Interdisciplinarios de la Fisica 1 (2012) 1–14.
61. Ferchichi Y., Experimental study of a spherical particle approach towards a liquid/fluid interface, PhD Thesis, LGPM – Laboratoire de Genie des Procedes et Matriaux, Ecole Centrale Paris, 2013.
62. Kowalska M., A, Zbikowska, Application of a laser diffraction method for determination of stability of dispersion systems in food and chamical industry, Journal of Dispersion Science and Technology 34(10) (2013) 1447–1453.
63. Krebs T., C.P.G.H. Schroen, R.M. Boom, Coalescence kinetics of oil-in-water emulsions studied with microfluidics, Fuel 106 (2013) 327–334.
64. Krebs T., D. Ershov, C.P.G.H. Schroen, R.M. Boom, Coalescence and compression in centrifuged emulsions studied with in situ optical microscopy, Soft Matter 9(15) (2013) 4026–4035.
65. Poortinga A.T., Micron-sized antibubbles with tunable stability, Colloid Surfaces A 419 (2013) 15–20.
66. Cenci S.M., Acoustic agitation of dense carbon dioxide/water mixtures: emulsification, mass transfer, and reaction engineering, PhD Thesis, Birmingham University, 2014.
67. Kamp J., M. Kraume, Influence of drop size and superimposed mass transfer on coalescence in liquid-liquid dispersions – Test cell design for single drop investigation, Chemical Engineering Research and Design 92(4) (2014) 635–643.
68. Miao S., Mao L., DSC application to characteraizing food emulsions, in: Chiavaro E., Ed., Differential Scanning Calotimetry. Applications in Fat and Oil Technologies, CRC Press, 2014, Ch. 10.
69. Milas P., Single molecule studies of a short RNA, PhSd Thesis, University of Massachusetts, 2014.
70. Miljkovic M., M. Radenberg, Fracture behavior of bitumen emulsion mortar mixture, Construction and Bilding Materials 62 (2014) 126–134.
71. Naeemullah, T.G. Kazi, H.I. Afridi, F. Shah, S.S. Acain, A.H. Panhwar, S.A. Arain, M.B. Arain, Development of green miniaturized dispersive ionic liquid nano-emulsion method for preconcentration of cadmium from canal and waste water samples prior to coupling with graphite furnace atomic absorption spectrometry, Analytical Methods 6(17) (2014) 6909–6915.
72. Nilsen-Nygaard J., M. Sletmoen, K.I. Draget, Stability and interaction forces of oil-in-water emulsions as observed by tweezers – a proof of concept study, RSC Advances 4 (2014) 52220–52229.

73. Sereti V., M. Zoumpanioti, V. Papadimitriou, S. Pispas, A. Xenakis, Biocollois based on aphiphilic block copolymers as a medium for enzyme encapsulation, J. Phys. Chem. B 110(32) (2014) 9808−9816.
74. Shen B.Q., Transport and self-assembly of droplets in microfluidic devices, Phd Thesis, Paris University 6, 2014.
75. Suriyarak S., J. Weiss, Cutoff Ostwald ripening stability of alkane-in-water emulsion loaded with eugenol, Colloid and Surfaces A 446 (2014) 71−79.
76. Urbina-Villalba G., El fenomeno de madoracion de Ostwald. Predicciones de las simulaciones de estabilidad de emulsiones sobre la evolucion del radio cubico promedio de una dispersion, Revista del Centro de Estudios Interdisciplinarios de la Fisica 3 (2014) 1−21.
77. Wang Y., Preparation of nano- and microemulsions using phase inversion and emulsion titration methods, MSc Thesis, Massey University, Auckland, New Zeland, 2014.
78. Al-Shananaq R., M. Farid, S. Al-Muhtaseb, J. Kurdi, Emulsion stability and cross-linking of PMMA microcapsules containing phase change materials, Solar Energy Materials and Solar Cells 132 (2015) 311−318.
79. Bari V., Large deformation and crystallization properties of process optimized cocoa butter emulsions, PhD Thesis, University of Birmingham, 2015.
80. Ching S.H., N. Bansal, B. Bhandari, Physical stability of emulsion encapsulated in alginate microgel particles by the impinging aerosol technique, Food Research International 75 (2015) 182−193.
81. Fazullin D.D., G.V. Mavrin, I.G. Chaikhiev, Particle size and zeta potential changes in the disperse phase of water-emulsified waste waters in different treatment stages, Chemistry and Technology of Fuels and Oils 51(5) (2015) 501−505.
82. Gawel B., C. Lesaint, S. Badyopadhyay, G. Oye, Role of physicochemical and interfacial properties on the binary coalescence of crude oil drops in synthetic produced water, Energy and Fuels 29(2) (2015) 512−519.
83. Li J., G.H. Shin, X. Chen, H.J. Park, Modified curcumin with hyaluronic acid: Combination of pro-drug and nano-micelle strategy to address the curcumin challenge, Food Research International 69 (2015) 202−208.
84. Mao L., S. Miao, Structuring food emulsions to improve nutrient delivery during digestion, Food Engineerign Reviews 7(4) (2015) 439−451.
85. Miljkovich M., M. Radenberg, Characterising the influence of bitumen emulsion on asphalt mixture performance, Materials and Structures 40(7) (2015) 2195−2210.
86. Yarlagadda S.C., Dynamics of hard and soft colloids in confined geometries and on structured surfaces, PhD Thesis, Georgia Institute of Technology, 2015.
87. Al Sabagh A.M., E. Azzam, N.M. Nasser, F.T. Abdel Haliem, A.M. El-Shafey, Using ethoxylated polyalkylphenol formaldhyde as additive to enhanced some physical properties of Egyptian jet fuel A1, African Journal of Engineering Research 4(2) (2016) 11−25.
88. Balcaen M., L. Vermeir, A. Declerck, P. Van der Meeren, Influence of internal water phase gelation on the shear- and osmotic sensitivity of W/O/W-type double emulsions, Food Hydrocolloids 58 (2016) 356−363.
89. He Z., X. Zhang, W. Batchelor, Cellulose nanofiber aerogel filter with tuneable pore structure for oil/water separation and recovery, RSC Advences 6(26) (2016) 21435−21438.
90. Lee J.-H., J.-A. Shin, K.-T. Lee, Effect of cacao extract on hydrolysis of oil vs. Emulsion in pH-Stat digestion model, Journal of the Korean Society of Food Science and Nutrition 45 (2016) 533−541.
91. Miljkovich M., M. Radenberg, Effect of compaction energy on physical and mechanical performance of bitumen emulsion mortar, Materials and Structures 49(1) (2016) 193−205.
92. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367−381.
93. Whitby C.P., H. Khairul Anwar, J. Hughes, Destabilizing pickering emulsions by drop flocculation and adhesion, Journal of Colloid and Interface Science 456 (2016) 158−164.
94. Радулова Г.М., Повърхностна реология на адсорбционни слоеве от протеина хидрофобин и отногови смеси с други протеини: експеримент и теоретичен модел, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски”, 2016.
95. Berry J.D., R.R. Dagastine, Mapping coalescence of micron-sized drops and bubbles, Journal of Colloid and Interface Science 487 (2017) 513−522.
96. Kamp J., J. Villwock, M. Kraume, Drop coalescence in technical liquid/liquid applications: A review on experimental techniques and modeling approaches, Reviews in Chemical Engineering 33(1) (2017) 1−47.
97. Miljkovich M., M. Radenberg, X. Fang, P. Lura, Influence of emulsifier content on cement hydration and mechanical performance of bitumen emulsion mortar, Materials and Structures 50(3) (2017) Art. No. 185.
98. Politova N., S. Tcholakova, N.D. Denkov, Factors affecting the stability of water-oil-water emulsion films, Colloids Surfaces A 522 (2017) 608−620.

99. Dudek M.J., Produced water quality and microfluidic methods for studing drop-drop and drop-bubble interactions in produced water, PhD Thesis, Norwegian University of Sicence and Technology, 2018.
100. Wang J., A.J.T. Teo, S.H. Tan, G.M. Evans, N.-T. Nguyen, A.V. Nguyen, Influence of interfacial gas enrichment on controlled coalescence of oil droplets in water in microfluidics, Langmuir 35(10) (2019) 3615–3623.
101. Fingas M., Surface chemistry and oil-in-water emulsion stability, Proceedings – 42 AMOP Technical Seminar on Environmental Contamination and Response, 2019, 940–1023.
102. Mishchuk N.A., Dependence of the particle interaction on the moisture content of disperse systems, Journal of Water Chemistry and Technology 41(4) (2019) 212–218.
103. Williams Y.O., N. Roas-Escalona, G. Rodriguez-Lopez, A. Villa-Torrealba, J. Toro-Mendoza, Modeling droplet coalescence kinetics in microfluidic devices using population balances, Chemical Engineering Science 201 (2019) 475–483.
104. Tripodi E., A. Lazidis, I.T. Norton, F. Spyropoulus, Food structure development in emulsion systems, Food Chemistry, Function and Analysis 18 (2020) 59–92.
105. Rave M., J.D. Echeverri, C.H. Salamanca, Improvement of the physical stability of oil-in-water nanoemulsions elaborated with Sacha inchi oil employing ultra-high-pressure homogenization, Journal of Food Engineering 273 (2020) Art. No. 109801.
106. Moussa O., Optical diagnostics for the study of the conditions leading to the micro-explosion of a water-in-oil emulsion drop, PhD Thesis, Bretagne University, 2019.
107. Reyes I., M.M. Palacio, C.J. Yarce, J. Onate-Garzon, C.H. Salamanka, Relationship between the ionization degree and the inter-polymeric aggregation of the poly(maleic acid-alt-octadecene) salts regarding time, Polymers 12 (2020) Art. No. 1036.
108. Collette N.K., Effect of soy lecithin concentration on formulating dairy emulsions through ultrasound treatment, PhD Thesis, South Dakota State University, 2020.
109. S. Narayan, A.E. Metaxas, R. Bachnak, T. Neumiller, C.S. Dutcher, Zooming in on the role of surfactants in droplet coalescence at the macroscale and microsacle, Current Oppinion in Colloid and Interface Science 50 (2020) Art. No. 101385.
110. Najafi M.N., S. Nemati, A. Mohammadi-Safi, R. Kadkhodaee, The encapsulation of saffron extract in double emulsion system and stability evaluation of its active constituents using principal component analysis method during storage period, Journal of Research and Inovation in Food Science and Technology 9 (2020) 1–16.
111. Chen Y., S. Narayan, C.S. Dutcher, Phase-dependent surfactant transport on the microscale: Interfcial tension and droplet coalescence, Langmuir 36 (2020) 14904–14923.

072 D.S. Valkovska, K.D. Danov, I.B. Ivanov, Surfactants role on the deformation of colliding small bubbles, Colloids Surfaces A 156 (1999) 547–566. (**Citations: 42**)

1. Gurkov T., E. Basheva, Hydrodynamic behaviour and stability of approaching deformable drops, in A.T. Hubard (Ed.) Encyclopedia in Surface and Colloid Science, Marcel Dekker, 2002.
2. Coons J.E., P.J. Halley, S.A. McGlashan, A review of drainage and spontaneous rupture in free standing thin films with tangentially immobile interfaces, Adv. Colloid Interface Sci. 105(1–3) (2003) 3–62.
3. Guo J., Y. Wang, D. Li, H. Tang, Interfacial interaction between the bubbles and particles in the flotation process, Acta Scientiae Circumstantiae 23(2) (2003) 194–200.
4. Kapilashrami A., K. Eskilsson, L. Bergström, M. Malmsten, Drying of oil–in–water emulsions on hydrophobic and hydrophilic substrates, Colloids Sirfaces A 233(1–3) (2004) 155–161.
5. Sterling Jr. M.C., Aggregation and transport kinetics of crude oil and sediment in estuarine waters, Ph.D Thesis, Texas Univ., 2004.
6. Sterling Jr. M.C., J.S. Bonner, A.N.S. Ernest, C.A. Page, R.L. Autenrieth, Chemical dispersant effectiveness testing: influence of droplet coalescence, Marine Polution Bulletin 48(9–10) (2004) 969–977.
7. Lee J., S.E. Kentish, M Ashokkumar, The effect of surface–active solutes on bubble coalescence in the presence of ultrasound, J. Phys. Chem. B 109(11) (2005) 5095–5099.
8. Sanfeld A., A. Steinchen, N. Mishchuk, Energy barrier in dense W/O emulsions, Colloids Surfaces A 261(1–3) (2005) 101–107.
9. Beneventi D., M.N. Belgacem, B. Carre, Influence of surfactant structure on bubble size and foaming in bubble columns: focus on flotation de–inking, Nordic Pulp and Paper Research Journal 21(5) (2006) 702–709.
10. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
11. Rother M.A., A.Z. Zinchenko, R.H. Davis, Surfactant effects on buoyancy–driven viscous interactions of deformable drops, Colloids Surfaces A 282–283 (2006) 50–60.

12. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil–water interfaces. 2: Comparison of 30 oils, J. Dispersion Science Technology 28(3) (2007) 361–369.
13. Manica R., J.N. Connor, L.Y. Glasohm, S.L. Carnie, R.G. Horn, D.Y.C. Chan, Transient responses of a wetting film to mechanical and electrical perturbations, Langmuir 24(4) (2008) 1381–1390.
14. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140 (1) (2008) 1–65.
15. Tcholakova S., N.D. Denkov, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, Theoretical model of viscous friction inside steadily sheared foams and concentrated emulsions, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 78(1) (2008) art. no. 011405.
16. Zeno E., B. Carre, M.C. Angelier, D. Beneventi, Surfactant management in industrial deinking plants: A tool for flotation control, Professional Papermaking 5(2) (2008) 50–56.
17. Zeno E., M.C. Angelier, D. Beneventi, B. Carre, Surfactant mass balance in industrial deinking plants: A tool for flotation control, PTS-CTP Deinking Symposium 2008, 33.1–33.16.
18. Beneventi D., F. Almeida, N. Marlin, D. Curtil, L. Salgueiro, M. Aurousseau, Hydrodynamics and recovered papers deinking in an ozone flotation column, Chemical Engineering and Processing: Process Intensification 48(11–12) (2009) 1517–1526.
19. Denkov N.D., S. Tcholakova, K. Golemanov, A. Lips, Jamming in Sheared Foams and Emulsions, Explained by Critical Instability of the Films between Neighboring Bubbles and Drops, Physical Review Letters 103(11) (2009) art. no. 118302.
20. Denkov N.D., S. Tcholakova, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, The role of surfactant type and bubble surface mobility in foam rheology, Soft Matter 5(18) (2009) 3389–3408.
21. Wierenga P.A., E.S. Basheva, N.D. Denkov, Modified capillary cell for foam film studies allowing exchange of the film–forming liquid, Langmuir 25(11) (2009) 6035–6039.
22. Gunes D.Z., X. Clain, O. Breton, G. Mayor, A.S. Burbidge, Avalanches of coalescence events and local extensional flows – Stabilisation or destabilisation due to surfactant, J. Colloid Interface Sci. 343(1) (2010) 79–86.
23. Hu X., Q. Fei, Z. Xu, A. Tian, Study on design and application of multi-piped co-coagulation flotation wastewater treatment equipment, Proceedings of the 3rd International Conference on Environmental Technology and Knowledge Transfer (2010) 625–630.
24. Manor O., D.Y.C. Chan, Influence of surfactants on the force between two bubbles, Langmuir 26(2) (2010) 655–662.
25. Miller C.A., Behavior of emulsions and microemulsions, in Nanoscience. Colloidal and Interfacial Aspects, V.M. Starov Ed., CRC Press, Bica Raton, FL, 2010, Ch. 17.
26. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
27. Chan D.Y.C., E. Klaseboer, R. Manica, Film drainage and coalescence between deformable drops and bubbles, Soft Matter 7(6) (2011) 2235–2264.
28. Chan D.Y.C., E. Klaseboer, R. Manica, Theory of non-equilibrium force measurements involving deformable drops and bubbles, Adv. Colloid Interface Science, 165(2) (2011) 70–90.
29. Kralova I., J. Sjoblom, G. Oye, S. Simon, B.A. Grimes, K. Paso, Heavy crude oils/particle stabilized emulsions, Advances in Colloid and Interface Science 169(2) (2011) 106–127.
30. Zinchenko A.Z., M.A. Rother, Davis R.H., Gravity–induced collisions of spherical drops covered with compressible surfactant, J. Fluid Mechanics, 667 (2011) 369–402.
31. Castro J.M., A. Burgisser, C.I. Schipper, S. Mancini, Mechanism of bubble coalescence in silicic magmas, Bulletin of Vulcanology 74(10) (2012) 2339–2352.
32. Krebs T., K. Schroen, R. Boom, Coalescence dynamics of surfactant-stabilized emulsions studied with microfluidic, Soft Matter 8(41) (2012) 10650–10657.
33. Reza A.S., Mechanisms of acid mist formation in electrowinning, PhD Thesis, James Cook University, 2012.
34. Wu J., Q. Lei, C. Xiong, J. Zhang, J. Li, G. Cao, D. Liao, Y. Wang, M. Jia, N. Li, Y. Liu, C. He, Prospect of production optimization challenges of gas wells with liquid loading problem using new surfactant and nanotechnology, Offshore Technology Conference, Proceedings, 2 (2015) 1099–1108.
35. Dutta S.K., E. Knowlton, D.L. Blair, Emulsions, Ch. 15, in: Fluid, colloids and soft materials: An introduction to soft matter physics, A. Fernandez-Nieves and A.M. Puertas (Eds.), John Wiley & Sons, 2016, 295–306.
36. Gounley J., G. Boedec, M. Jaeger, M. Leonetti, Influence of surface viscosity on droplets in shear flow, Journal of Fluid Mechanics 791 (2016) 464–494.

37. Bournival G., S. Ata, G.J. Jameson, Bubble and froth stabilizing agents in froth flotation, Mineral Processing and Exctractive Metallurgy Review 38(6) (2017) 366–387.
38. Dutta S.K., E. Knowlton, D.L. Blair, Emulsions, in: Fluids, Colloids and Soft Materials: Az Introduction to Soft Matter Physics (2018) 296–306.
39. Koyama M., K. Sugiama, T. Watamura, F. Iwatsubo, S. Takagi, Numerical investigation of kinetics of gas-liquid interface and drainage suppression of a liquid film as approach of a single bubble to a flat wall, Japanase Journal of Multiphase Flow 32(1) (2018) 80–88.
40. Wang Y., J.-N. Fan, Y. Yang, Y. Zhang, Z. Cao, T. Wang, Statistical analysis of jet drop generation based on bubble size measurements in the pickling process, Building and Environments 155 (2019) 25–33.
41. Pfeiffer P., O. Zeng, B.H. Tan, C.-D. Ohl, Merging of soap bubbles and why surfactant matters, Applied Physics Letters 116 (2020) Art. No. 103702.
42. Wu J., W. Jia, C. Xian, Foaming agent developed for gas wells with liquid loading problem using new surfactant and nanotechnology, SPE Journal 7 (2020) Art. No. 201249.

071 K.D. Danov, D.S. Valkovska, I.B. Ivanov, Effect of surfactants on the film drainage, J. Colloid Interface Sci. 211 (1999) 291–303. (**Citations: 81**)

1. Chester A.K., I.B. Bazhlekov, Effect of insoluble surfactants on drainage and rupture of a film between drops interacting under a constant force, J. Colloid Interface Sci. 230(2) (2000) 229–243.
2. Magrabi S.A., B.Z. Dlugogorski, G.J. Jameson, Free drainage in aqueous foams: model and experimental study, AIChE J. 47(2) (2001) 314–327.
3. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
4. Yeo L.Y., O.K. Matar, E.S.P. de Ortiz, G.F. Hewitt, The dynamics of Marangoni–driven local film drainage between two drops, J. Colloid Interface Sci. 241(1) (2001) 233–247.
5. Magrabi S.A., B.Z. Dlugogorski, G.J. Jameson, A comparative study of drainage characteristics in AFFF and FFFP compressed–air fire–fighting foams, Fire Safety J. 37(1) (2002) 21–52.
6. Petsev D., Mechanisms of emulsion flocculation, in: Encyclopedia in Colloid and Surface Science, 2002.
7. Yeo L.Y., O.K. Matar, E.S. Perez de Ortiz, A description of phase inversion behavior in agitated liquid–liquid dispersions under the influence of the Marangoni effect, Chem. Eng. Sci. 57(17) (2002) 3505–3520.
8. Coons J.E., P.J. Halley, S.A. McGlashan, A review of drainage and spontaneous rupture in free standing thin films with tangentially immobile interfaces, Adv. Colloid Interface Sci. 105 (2003) 3–62.
9. Yeo L.Y., O.K. Matar, E.S. Perez de Ortiz, Film drainage between two surfactant–coated drops colliding at constant approach velocity, J. Colloid Interface Sci. 257(1) (2003) 93–107.
10. Cristini V., Y.C. Tan, Theory and numerical simulation of droplet dynamics in complex flows – a review, Lab on a Chip 4(4) (2004) 257–264.
11. Kapilashrami A., Interfacial Phenomena in Two–Phase Systems: Emulsions and Slag Foaming, PhD Thesis, Royal Institute of Technology, Stockholm, Sweden, 2004.
12. Leal L.G., Flow induced coalescence of drops in a viscous fluid, Phys. Fluids 16(6) (2004) 1833–1851.
13. Petsev D.N., Theory of emulsion flocculation, in: D.N. Petsev (Ed.), Emulsions: Structure, Stability and Interactions, Elsevier, London, 2004, Ch. 8, p. 313.
14. Schlieper L., M. Chatterjee, M. Henschke, A. Pfennig, Liquid-liquid phase separation in gravity settler with inclined plates, AIChE Journal 50(4) (2004) 802–811.
15. Tan S.N., D. Fornasiero, R. Sedev, J. Ralston, The interfacial conformation of polypropylene glycols and foam behaviour, Colloids Surfaces A 250(1–3) (2004) 307–315.
16. Makievski A.V., V.I. Kovalchuk, J. Kragel, M. Simoncini, L. Liggieri, M. Ferrari, P. Pandolfini, R. Miller, Microgravity Sci.Techn. 15 (2005) 215–218.
17. Beneventi D., M.N. Belgacem, B. Carre, Applied paper chemistry – influence of surfactant structure on bubble size and foaming in bubble columns: focus on flotation de–inking, Nordic Pulp Paper Research Journal 21(5) (2006) 702–709.
18. Jang S.S., W.A. Goddard, Structures and properties of Newton black films characterized using molecular dynamics simulations, J. Phys. Chem. B 110(15) (2006) 7992–8001.
19. Rother M.A., A.Z. Zinchenki, D.H. Davis, Surfactant effects on buoyancy–driven viscous interactions of deformable drops, Colloids Surfaces A 282–283 (2006) 50–60.
20. Talu E., M.M. Lozano, R.L. Powell, P.A. Dayton, M.L. Longo, Long–term stability by lipid coating monodisperse microbubbles formed by a flow–focusing device, Langmuir 22(23) (2006) 9487–9490.
21. Tan S.N., D. Fornasiero, R. Sedev, J. Ralston, The interfacial conformation of polypropylene glycols and their foam properties, Minerals Eng. 19(6–8) (2006) 703–712.

22. Anton N., P. Bouriat, Different surface corrugations occuring during drainage of axisymmetric thin liquid films, Langmuir 23(18) (2007) 9213−9220.
23. Beneventi D., M. Benesse, B. Carre, F.J. SaintAmand, L. Salgueiro, Modeling deinking selectivity in multistage flotation systems, Separation and Purification Technology 54(1) (2007) 77−87.
24. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil−water interfaces. 2: Comparison of 30 oils, J. Dispersion Sci. Technology 28(3) (2007) 361−369.
25. Karakashev S.I., A.V. Nguyen, Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: examining influence of surface rheology and intermolecular forces, Colloids Surfaces A 293(1–3) (2007) 229–240.
26. Beneventi D., J. Allix, E. Zeno, P. Nortier, Influence of surfactant concentration on the ink removal selectivity in a laboratory flotation column, International Journal of Mineral Processing 87(3–4) (2008) 134−140.
27. Golemanov K., N.D. Denkov, S. Tcholakova, M. Vethamuthu, A. Lips, Surfactant mixtures for control of bubble surface mobility in foam studies, Langmuir 24 (2008) 9956−9961.
28. Karakashev S.I., E.D. Manev, R. Tsekov, A.V. Nguyen, Effect of double–layer repulsion on foam film drainage, Colloids and Surfaces A: Physicochemical and Engineering Aspects 319(1–3) (2008) 34−42.
29. Karakashev S.I., E.D. Manev, R. Tsekov, A.V. Nguyen, Effect of ionic surfactants on drainage and equilibrium thickness of emulsion films, Journal of Colloid and Interface Science 318(2) (2008) 358−364.
30. Tcholakova S., N.D. Denkov, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, Theoretical model of viscous friction inside steadily sheared foams and concentrated emulsions, Physical Review E – Statistical, Nonlinear, and Soft Matter Physics 78(1) (2008) art. no. 011405.
31. Venturelly W.H., Estudos da atividade antiespumante de ésteres etílicos derivados de óleos vegetais, PhD Thesis, Faculty of Philosophy, Sciences and Languages of Ribeirão Preto, 2008.
32. Beneventi D., F. Almeida, N. Martin, D. Curtil, L. Salgueiro, M. Aurousseau, Hydrodynamics and recovered papers deinking in an ozone flotation column, Chemical Engineering and Processing: Process Intensification 48(11–12) (2009) 1517–1526.
33. Craig V.S., C.L. Henry, Specific ion effect at the air-water interface: Experimental study, Specific Ion Effects 2009, 191–214.
34. Denkov N.D., S. Tcholakova, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, The role of surfactant type and bubble surface mobility in foam rheology, Soft Matter 5 (2009) 3389–3408.
35. Henry C.L., Bubbles, Thin Films and Ion Specificity, PhD Thesis, The Australian National University, 2009.
36. Interfacial Rheology, R. Miller and L. Liggiery Eds., Ch. 12.
37. Arif S., Fracture mechanisms in quasi-two-dimensional aqueous foam, PhD Thesis, Northwestern University, 2010.
38. Arif S., J.C. Tsai, S. Hilgenfeldt, Speed of crack propagation in dry aqueous foam, EPL 92(3) (2010) Art. 38001.
39. Beneviti D., O. Baudouin, P. Nortier, Semi-empirical modelling and management of flotation deinking banks, in: Source: Process managements, 2010, Ch. 7.
40. Craig V.S., C.L. Henry, Specific ion effects at the air-water interface, in. Specific Ion Effects, 2010, Ch. 7.
41. Grimes B.A., C.A. Dorao, S. Simon, E.L. Nordgard, J. Sjoblom, Analysis of dynamic surfactant mass transfer and its relationship to the transient stabilization of coalescing liquid–liquid dispersions, Jornal of Colloid and Interface Science 348(2) (2010) 479–490.
42. Gunes D.Z., X. Clain, O. Breton, G. Mayor, A.S. Burbidge, Avalanches of coalescence events and local extensional flows – Stabilisation or destabilisation due to surfactant, J. Colloid Interface Sci. 343(1) (2010) 79−86.
43. Karakashev S.I., D.S. Ivanova, Thil liquid film drainage: ionic vs. non–ionic surfactants, J. Colloid Interface Sci. 343 (2010) 584–593.
44. Karakashev S.I., D.S. Ivanova, Z.K. Angarska, E.D. Manev, R. Tsekov, B. Radoev, R. Slavchov, A.V. Nguyen, Comparative validation of the analytical models for the Marangoni effect on foam film drainage, Colloids and Surfaces A 365(1–3) (2010) 122–136.
45. Manor O., D.Y.C. Chan, Influence of surfactants on the force between two bubbles, Langmuir 26(2) (2010) 655–662.
46. Rane J., D. Harbottle, S. Banerjee, The effect of fluid dynamic shear and gravity on the stability of w/o surfactant stabilised emulsions, 7th North American Conference, 2010.
47. Alix J., E. Zeno, P. Nortier, D. Beneventi, Role of surfactants and fibres on fibre transport in a small flotation deinking column, Chemical Enginnering Journal 168(2) (2011) 525–534.
48. Atta A., D.G. Crawford, C.R. Koch, S. Bhattacharjee, Influence of electrostatic and chemical heterogeneity on the electric-field-induced destabilization of thil liquid films, Langmuir 27(20) (2011) 12472–12485.

49. Del Castillo L.A., S Ohnishi, R.G. Horn, Inhibition of bubble coalescence: effects of salt cocentration and speed of approach, J. Colloid Interface Sci. 356(1) (2011) 316–324.
50. Karakashev S.I., D.S. Ivanova, Dynamic effects in thin films with different radii, Годишник на СУ, Химически факултет, 102/103 (2011) 103–121.
51. Zinchenko A.Z., M.A. Rother, R.H. Davis, Gravity-induced collisions of spherical drops covered with compressible surfactants, J. Fluid Mechanics 667 (2011) 369–402.
52. Bak A., W. Podgorska, Investigation of drop breakage and coalescence in the liquid-liquid system with nonionic surfactants Tween 20 and Tween 80, Chemical Engineering Science 74 (2012) 181–191.
53. Podgorska W., A. Bak, Modelling of drop coalescence in stired liquid-liquid dispersions containing surfactants, 14th European Conference of Mixing, 2012, 383–388.
54. Tang H., S. Cui, influence of interfacial property on drop coalescence, CIESC Journal 63(4) (2012) 1140–1148.
55. Kamran K., S.L. Camie, Modeling the gentle bouncing of a drop with quasi-static thin film equations, Chemical Engineering Science 104 (2013) 361–373.
56. Kinawi El O.S., S. Petersen, K. Bergt, J. Ulrich, Influence of emulsifiers on the formation and crystallization of solid lipid nanoparticles, Chemical Engineering and Technology 36(12) (2013) 2174–2178.
57. Friberg S.E., S.H. Friberg, Emulsion formation, in: Encyclopedia in Colloid and Interface Science, 2013, 366–414.
58. Reichert M., L.M. Walker, Interfacial tension dynamics, interfacial mechanics, and response to rapid dilution of bulk surfactant of a model oil-water-dispersant system, Langmuir 29 (2013) 1857–1867.
59. Sjoblom J., P. Stenius, S. Simon, B.A. Grimes, Emulsion stabilization, in: Encyclopedia in Colloid and Interface Science, 2013, 415–545.
60. Alexandrova S., Film drainage and coalescence of drops in the presence of surfactant, Journal of Chemical Technology and Metallurgy 49(4) (2014) 321–328.
61. Karakashev S.I., E.D. Manev, Hydrodynamics of thin liquid films: Retrospective and perspective, Advances in Colloid and Interface Science 222 (2015) 398–412.
62. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.
63. Reichert M., L.M. Walker, coalescence behavior of oil droplets coated in irreversibly-adsorbed surfactant layers, Journal of Colloid and Interface Science 449 (2015) 480–487.
64. Wang W., K. Li, M. Ma, H. Jin, P. Angeli, J. Gong, Review and perspectives of AFM application on the study of deformable drop/bubble interactions, Advances in Colloid and Interface Science 225 (2015) 88–97.
65. Wu J., Q. Lei, C. Xiong, J. Zhang, J. Li, G. Cao, D. Liao, Y. Wang, M. Jia, N. Li, Y. Liu, C. He, Prospect of production optimization challenges of gas wells with liquid loading problem using new surfactant and nanotechnology, Offshore Technology Conference, Proceedings, 2 (2015) 1099–1108.
66. Bak A., W. Podgorska, Influence of poly(vinyl alcohol) molecular weight on drop coalexcence and breakage rate, Chemical Engineering Research and Design 108 (2016) 88–100.
67. Bazhlekov I., D. Vasileva, Numerical modeling of drop coalescence in the presence of soluble surfactants, Journal of Computational and Applied Mathematics 293 (2016) 7–19.
68. Dutta S.K., E. Knowlton, D.L. Blair, Emulsions, Ch. 15, in: Fluid, colloids and soft materials: An introduction to soft matter physics, A. Fernandez-Nieves and A.M. Puertas (Eds.), 2016, 295–306.
69. Frostad J.M., D. Tammaro, L. Santollani, S. Bochner de Araujo, G.G. Fuller, Dynamic fluid-film interferometry as a predictor of bulk foam properties, Soft Matter 12(46) (2016) 9266–9279.
70. Podgorska W., D.L. Marchisio, Modeling of turbulent drop coalescence in the presence of electrostatic forces, Chemical Engineering Research and Design 108 (2016) 30–41.
71. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367–381.
72. Kim K., Y. Kim, J. Yang, K.-S. Ha, H. Usta, J. Lee, C. Kim, Enhanced mass transfer rate and solubility of methane via addition of alcohols for Methylosinus trichosporium OB3b fermentation, Journal of Industrial and Engineering Chemistry 46 (2017) 350–355.
73. Marinova K.G., K.T. Naydenova, E.S. Basheva, F. Bauer, J. Tropsch, J. Franke, new surfactant mixtures for fine foams with slowed drainage, Colloids and Surfaces A 523 (2017) 54–61.
74. Wang Z., B. Mandracchia, V. Ferraro, D. Tammaro, E. Di Maio, P. L. Maffettone, P. Ferraro, Interferometric measurement of film thickness during bubble blowing, Proc. SPIE 10333, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials III, 103331O (26 June 2017); doi: 10.1117/12.2274754.
75. Luo X., H. Yin, H. Yan, X. Huang, D. Yang, L. He, The electrocoalescence behaviour of surfactant-laden droplet pairs in oil under a DC electric field, Chemical Engineering Science 191 (2018) 350–357.

76. Shi Y., G.H. Tang, L.H. Cheng, H.Q. Shuang, An improved phase-field-based Lattice Boltzmann model for droplet dynamics with soluble surfactant, Computers & Fluids 179 (2019) 508–520.
77. Vannozzi C., Effect of polymer-coated gold nanoparticle stabilizers on drop coalescence, Physics of Fluids 31 (2019) Art. No. 082112.
78. Gong S., N. Gao, L. Han, H. Luo, A theoretical model for bubble coalescence by coupling film drainage with approach processes, Chemical Engineering Science 213 (2020) Art. No. 115387.
79. Liu B., Fundamental study of bubble coalescence in solutions and on surfaces, PhD Thesis, University of Alberta, 2019.
80. Wu J., W. Jia, C. Xian, Foaming agent developed for gas wells with liquid loading problem using new surfactant and nanotechnology, SPE Journal 7 (2020) Art. No. 201249.
81. Choudhury A., V.K. Paidi, S.K. Kalpathy, H.N. Dixit, Enhanced stability of free viscous films due to surface viscosity, Physics of Fluids 32 (2020) Art. No. 082108.

070 K.D. Danov, P.M. Vlahovska, P.A. Kralchevsky, G. Broze, A. Mehreteab, Adsorption kinetics of ionic surfactants with detailed account for the electrostatic interactions: effect of the added electrolyte, Colloids Surfaces A 156 (1999) 389–411. (**Citations: 30**)

1. Bain C.D., S. Manning–Benson, R.C. Darton, Rates of mass transfer and adsorption of hexadecyltrimethylammonium bromide at an expanding air–water interface, J. Colloid Interface Sci. 229(1) (2000) 247–256.
2. Treppner R., Adsorptionsschichten an Fluiden Grenzflächen: Skalengesetze & Ionenvertailungen, Dissertation, Universität Potsdam, Golm, 2000.
3. Fainerman V.B., R. Wustneck, R. Miller, Surface tension of mixed surfactant solutions, Tenside, Surfactants, Detergents 38(4) (2001) 224–229.
4. Gilanyi T., R. Meszaros, I. Varga, Adsorption of catanionic surfactants at air/solution interface, Magy Kem. Foly 107(11) (2001) 476–484.
5. Koopal L.K., M.J. Avena, A simple model for adsorption kinetics at charged solid–liquid interfaces, Colloids Surfacgurkoves A 192(1–3) (2001) 93–107.
6. Kovalchuk V.I., E.K. Zholkovskiy, N.P. Bondarenko, D. Vollhardt, Dissociation of fatty acid and counterion binding at the Langmuir monolayer deposition: theoretical considerations, J. Phys. Chem. B 105(38) (2001) 9254–9265.
7. Miller R., A.V. Makievski, V.B. Fainerman, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 287.
8. Mulqueen M., K.J. Stebe, D. Blankschtein, Dynamic interfacial adsorption in aqueous surfactant mixtures: theoretical study, Langmuir 17 (2001) 5196–5207.
9. Quigley W.W.C., A. Nabi, B.J. Prazen, N. Lenqhor, K. Grudpan, R.E. Synovec, Dynamic surface tension analysis of dodecyl sulfate association complexes, Talanta 55(3) (2001) 551–560.
10. Davis A.N., S.A. Morton III, R.M. Counce, in: The Proceedings of the 6th Annual Green Chemistry and Engineering Conference, Meeting Global Challenges, June 24–27, 2002.
11. Fainerman V.B., E.H. Lucassen–Reynders, Adsorption of single and mixed ionic surfactants at fluid interfaces, Adv. Colloid Interface Sci. 96(1–3) (2002) 295–323.
12. Fainerman V.B., R. Miller, E.V. Aksenenko, Simple model for prediction of surface tension of mixed surfactant solutions, Adv. Colloid Interface Sci. 96(1–3) (2002) 339–359.
13. Takahashi T., H. Yui, T. Sawada, Direct observation of dynamic molecular behavior at a water/nitrobenzene interface in a chemical oscillation system, J. Phys. Chem. B 106(9) (2002) 2314–2318.
14. Davis A.N., S.A. Morton III, R.M. Counce, D.W. DePaoli, M.Z.C. Hu, Ionic strength effects on hexadecane contact sngles on a gold–coated glass surface in ionic surfactant solutions, Colloids Surfaces A 221(1–3) (2003) 69–80.
15. Frese Ch., S. Ruppert, M. Sugár, H. Schmidt–Lewerkühne, K.P. Wittern, V.B. Fainerman, R. Eggers, R. Miller, Adsorption kinetics of surfactant mixtures from micellar solutions as studied by maximum bubble pressure technique, J. Colloid Interface Sci. 267(2) (2003) 475–482.
16. Paria S., Studies of surfactant adsorption at the cellulose–water interface, PhD Thesis, Indian Institute of Technology, Bombay, 2003.
17. Helvaci S.S., S. Peker, G. Ozdemir, Effect of electrolytes on the surface behavior of rhamnolipids R1 and R2, Colloids Surfaces B 35(3–4) (2004) 225–233.
18. Dahlan D., A.R. Daud, S. Radiman, R. Yahya, Pengendapan lapisan tipis nikel dan sifat korosinya, Paksy Journal, 2005, 74–78.
19. Kovalchuk V.I., D. Vollhardt, Ion redistribution and meniscus stability at Langmuir monolayer deposition, Adv. Colloid Interface Sci. 114–115 (2005) 267–279.

20. Lu F.F., L.Q. Zheng, Y.A. Gao, G.Z. Li, Z.H. Tong, Effect of sodium halide on dynamic surface tension of a cationic surfactant, Chinese Journal of Chemistry 23(8) (2005) 957–962.
21. Paria S., C. Manohar, K.C. Khilar, Kinetics of adsorption of anionic, cationic, and nonionic surfactants, Ind. Eng. Chem. Res. 44(9) (2005) 3091–3098.
22. Stubenrauch C., V.B. Fainerman, E.V. Aksenenko, R. Miller, Adsorption behavior and dilational rheology of the cationic alkyl trimethylammonium bromides at the water/air interface, J. Phys. Chem. B 109(4) (2005) 1505–1509.
23. Para G., E. Jarek, P. Warszynski, The Hofmeister series effect in adsorption of cationic surfactants–theoretical description and experimental results, Adv. Colloid Interface Sci. 122(1–3) (2006) 39–55.
24. Moorkanikkara S.N., Development of novel methodologies to analyze the adsorption kinetics of nonionic surfactants, PhD Thesis, MIT, 2007.
25. Fainerman V.B., E.V. Aksenenko, S.V. Lylyk, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed sodium dodecyl sulfate/C nEOm solutions 1. Dynamic and equilibrium surface tension, Langmuir 26(1) (2010) 284–292.
26. De Ruiter R., R.W. Tjerkstra, M.H.G. Duits, F. Mugele, Influence of cationic composition and pH on the formation of metal stearates at oil-water interfaces, Langmuir 27(14) (2011) 8738–8747.
27. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Equilibrium adsorption layer characteristics of mixed sodium dodecyl sulphate/Triton solutions, Colloids and Surfaces 385(1–3) (2011) 139–143.
28. Hezave A.Z., S. Dorostkar, S. Ayatollah, M. Nabipour, B. Hemmateenejad, Dynamic interfacial tension behavior between heavy crude oil and ionic liquid solution (1-dodecyl-3-methylimidazolium chloride ([C_{12}mim][Cl] + distilled or saline water/heavy crude oil)) as a new surfactant, Journal of Molecular Liquids 187 (2013) 83–89.
29. Fainerman V.B., E.V. Aksenenko, N. Mucic, A. Javadi, R. Miller, Thermodynamics of adsorption of ionic surfactants at water/alkane interface, Soft Matter 10(36) (2014) 6873–6887.
30. Delroisse H., J.-P. Torre, C. Dicharry, Effect of hydrophilic cationic syrfactant on cyclopentane hydrate crystal growth at the water/cyclopentane interface, Crystal Growth and Design 17(10) (2017) 509–5107.

069 P.A. Kralchevsky, K.D. Danov, G. Broze, A. Mehreteab, Thermodynamics of ionic surfactant adsorption with account for the counterion binding: effect of salts of various valency, Langmuir 15(7) (1999) 2351–2365. (**Citations: 189**)

1. Fainerman V.B., D. Vollhardt, R. Johann, Arachidic acid monolayers at high pH of the aqueous subphase: studies of counterion bonding, Langmuir 16(20) (2000) 7731–7736.
2. Kruglyakov P.M., Hydrophile – Lipophile Balance of Surfactants and Solid Particles (Studies in Interface Science, Vol. 9), Elsevier, Amsterdam, 2000, p. 26 and p. 93.
3. Teppner R., Adsorptionsschichten an fluiden grenzflaechen: skalengesetze & ionenverteilungen, PhD Thesis, Max Plank Institute, Golm, 2000.
4. Datwani S.S., K.J. Stebe, Monolayer penetration by a charged amphiphile: equilibrium and dynamics, Colloids Surfaces A 192(1–3) (2001) 109–129.
5. Fainerman V.B., R. Miller, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 99.
6. Fainerman V.B., R. Wustneck, R. Miller, Surface tension of mixed surfactant solutions, Tenside, Surfactants, Detergents 38(4) (2001) 224–229.
7. Karakashev S., R. Tsekov, E. Manev, Adsorption of alkali dodecyl sulfates on air/water surface, Langmuir 17(17) (2001) 5403–5405.
8. Kovalchuk V.I., E.K. Zholkovskiy, N.P. Bondarenko, D. Vollhardt, Dissociation of fatty acid and counterion binding at the Langmuir monolayer deposition: theoretical considerations, J. Phys. Chem. B 105(38) (2001) 9254–9265.
9. Miller R., J. Kraegel, V.B. Fainerman, A.V. Makievski, D.O. Grigoriev, F. Ravera, L. Liggieri, D.Y. Kwok, A.W. Neumann, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, pp. 1–45.
10. Miller, R.; Fainerman, V.B., Surfactant adsorption layers at liquid–fluid interfaces, Chapter 6 in Handbook of Surfaces and Interfaces of Materials, Hari Singh Nalwa (Ed.), Academic Press, 2001; p. 420.
11. Prosser A.J., E.I. Franses, Adsorption and surface tension of ionic surfactants at the air–water interface: review and evaluation of equilibrium models, Colloids Surfaces A 178(1–3) (2001) 1–40.
12. Prosser A.J., E.I. Franses, Modeling of equilibrium adsorption and surface tension of cationic gemini surfactants, J. Colloid Interface Sci. 240(2) (2001) 590–600.
13. Warszynski P., K.D. Wantke, H. Fruhner, Theoretical description of surface elasticity of ionic surfactants, Colloids Surfaces A 189(1–3) (2001) 29–53.

14. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
15. Castro Dantas T.N., E. Ferreira Moura, H. Scatena Jr., A.A. Dantas Neto, A. Gurgel, Micellization and adsorption thermodynamics of novel ionic surfactants at fluid interfaces, Colloids Surfaces A 207(1–3) (2002) 243–252.
16. Fainerman V.B., E.H. Lucassen–Reynders, Adsorption of single and mixed ionic surfactants at fluid interfaces, Adv. Colloid Interface Sci. 96(1–3) (2002) 295–323.
17. Fainerman V.B., R. Miller, E.V. Aksenenko, Simple model for prediction of surface tension of mixed surfactant solutions, Adv. Colloid Interface Science 96(1–3) (2002) 339–359.
18. Karakashev S.I., E.D. Manev, Effect of interactions between the adsorbed species on the properties of single and mixed–surfactant monolayers at the air/water interface, J. Colloid Interface Sci. 248(2) (2002) 477–486.
19. Randolf T., Adsorptionsschichten am fluiden Granzflaechen: Skalengesetze und Ionenverteilungen, PhD Thesis, Potsdam University, 2002.
20. Stoyanov S., Theory and simulation of interfacial effects and phase behaviour of nonionic surfactants, PhD Thesis, Essen University, 2002.
21. Takahashi T., H. Yui, T. Sawada, Direct observation of dynamic molecular behavior at a water/nitrobenzene interface in a chemical oscillation system, J. Phys. Chem. B 106(9) (2002) 2314–2318.
22. Tsekov R., P. Letocart, E. Evstatieva, H.J. Schulze, Effect of ionic surfactants on the dimple relaxation in wetting films, Langmuir 18(15) (2002) 5799–5803.
23. Warszynski P., K. Lunkenheimer, G. Czichocki, Effect of counterions on the adsorption of ionic surfactants at fluid–fluid interfaces, Langmuir 18(7) (2002) 2506–2514.
24. Каракашев Ст.И., Е.Д. Манев, Адсорбция на йоинни ПАВ на повърхността вода/въздух, Сборник научни трудове, Химия, Ун. Изд. ”Еп. Константин Преславски”, Шумен, 2002, 157–162.
25. Каракашев Ст.И., Р.Ц. Цеков, Е.Д. Манев, Нов модел за описание на адсорбционното поведение на йоинни ПАВ на повърхността вода/въздух, Сборник научни трудове, Химия, Ун. Изд. ”Еп. Константин Преславски”, Шумен, 2002, 146–156.
26. Angarska J.K., E.D. Manev, Effect of tetrapentyl ammonium bromide adsorption on the electrostatic interactions in aqueous octaethyleneglycol decylether foam films, Colloids Surfaces A 223(1–3) (2003) 73–82.
27. Battal T., G.S. Shearman, D. Valkovska, C.D. Bain, Determination of the dynamic surface excess of a homologous series of cationic surfactants by ellipsometry, Langmuir 19(4) (2003) 1244–1248.
28. Kang K.H., I.S. Kang, C.M. Lee, Electrostatic contribution to line tension in a wedge–shaped contact region, Langmuir 19(22) (2003) 9334–9342.
29. Karakashev S.I., E.D. Manev, Correlation in the properties of aqueous single films and foam containing a nonionic surfactant and organic/inorganic electrolytes, J. Colloid Interface Sci. 259(1) (2003) 171–179.
30. Kolaric B., W. Jaeger, G. Hedicke, R. von Klitzing, Tuning of foam film thickness by different (poly) electrolyte/surfactant combinations, J. Phys. Chem. B 107(32) (2003) 8152–8157.
31. Para G., E. Jarek, P. Warszynski, Z. Adamczyk, Effect of electrolytes on surface tension of ionic surfactant solutions, Colloids Surfaces A 222(1–3) (2003) 213–222.
32. Stoyanov S.D., H. Rehage, V.N. Paunov, Novel surface tension isotherm for surfactants based on local density functional theory, Phys. Rev. Lett. 91(8) (2003) 861021–861024.
33. Stubenrauch C., R. von Klitzing, Disjoining pressure in thin liquid foam and emulsion films – new concepts and perspectives, J. Physics: Condens Matter 15(27) (2003) R1197–R1232.
34. Taylor C.D., D.S. Valkovska, C.D. Bain, A simple and rapid method for the determination of the surface equations of state and adsorption isotherms for efficient surfactants, Phys. Chem. Chem. Phys. 5(21) (2003) 4885–4891.
35. Trizac E., L. Bocquet, M. Aubouy, H.H. von Grunberg, Alexander's prescription for colloidal charge renormalization, Langmuir 19(9) (2003) 4027–4033.
36. Giokas D.L., G.Z. Tsogas, A.G. Vlessidis, M.I. Karayannis, Metal ion determination by flame atomic absorption spectrometry through reagentless coacervate phase separation–extraction into lamellar vesicles, Anal. Chem. 76(5) (2004) 1302–1309.
37. Karakashev S., E. Manev, A. Nguyen, Interpretation of negative values of the interaction parameter in the adsorption equation through the effects of surface layer heterogeneity, Adv. Colloid Interface Sci. 112(1–3) (2004) 31–36.
38. Morton III S.A., Prediction of organic droplet behaviour on a solid surface as influenced by aqueous surfactant solutions, PhD Thesis, The University of Tennessee, Knoxville, 2004.

39. Ramirez A.G., R.G. Lopez, K. Tauer, Studies on semibatch microemulsion polymerization of butyl acrylate: influence of the potassium peroxodisulfate concentration, Macromolecules 37(8) (2004) 2738–2747.
40. Sekine M., R.A. Campbell, D.S. Valkovska, J.P.R. Day, T.D. Curwen, L.J. Martin, S.A. Holt, J. Eastoe, C.D. Bain, Adsorption kinetics of ammonium perfluorononanoate at the air–water interface, Phys. Chem. Chem. Phys. 6 (21) (2004) 5061–5065.
41. Stoyanov S.D., V.N. Paunov, H. Rehage, H. Kuhn, A new class of interfacial tension isotherms for nonionic surfactants based on local self–consistent mean field theory: classical isotherms revisited, Phys. Chem. Chem. Phys. 6(3) (2004) 596–603.
42. Tcholakova S., N.D. Denkov, T. Danner, Role of surfactant type and concentration for the mean drop size during emulsification in turbulent flow, Langmuir 20(18) (2004) 7444–7458.
43. Tsogas G.Z., D.L. Giokas, A.G. Vlessidis, N.P. Evmiridis, A single–reagent method for the speciation of chromium in natural waters by flame atomic absorption spectrometry based on vesicular liquid coacervate extraction, Spectrochimica Acta Part B – Atomic Spectroscopy 59 (7) (2004) 957–965.
44. Valkovska D.S., G.C. Shearman, C.D. Bain, R.C. Darton, J. Eastoe, Adsorption of ionic surfactants at an expanding air–water interface, Langmuir 20(11) (2004) 4436–4445.
45. Wang L., R.–H. Yoon, Hydrophobic forces in the foam films stabilized by sodium dodecyl sulfate: effect of electrolyte, Langmuir 20(26) (2004) 11457–11464.
46. Atkin R., J. Eastoe, E.J. Wanless, C.D. Bain, Dynamics of adsorption of cationic surfactants at air–water and solid–liquid Interfaces, in: R. Zana (Ed.), Dynamics of Surfactant Self–Assemblies: Micelles, Microemulsions, Vesicles and Lyotropic Phases, CRC Press, New York, 2005.
47. Gurkov T.D., D.T. Dimitrova, K.G. Marinova, C. Bilke–Crause, C. Gerber, I.B. Ivanov, Ionic surfactants on fluid interfaces: determination of the adsorption; role of the salt and the type of the hydrophobic phase, Colloids Surfaces A 261(1–3) (2005) 29–38.
48. Koelsch P., H. Motschmann, Varying the counterions at a charged interface, Langmuir 21(8) (2005) 3436–3442.
49. Mishra N.C., R.M. Muruganathan, H.–J. Müller, R. Krustev, The dependence of the interactions in foam films on surfactant concentration, Colloids Surfaces A 256(1) (2005) 77–83.
50. Para G., E. Jarek, P. Warszynski, The surface tension of aqueous solutions of cetyltrimethylammonium cationic surfactants in presence of bromide and chloride counterions, Colloids Surfaces A 261(1–3) (2005) 65–73.
51. Stubenrauch C., V.B. Fainerman, E.V. Aksenenko, R. Miller, Adsorption behavior and dilational rheology of the cationic alkyl trimethylammonium bromides at the water/air interface, J. Phys. Chem. B 109(4) (2005) 1505–1509.
52. Travesset A., Salty solutions near a charged modulated interface, Europ. Phys. J. E 17(4) (2005) 435–446.
53. Von Klitzing R., Effect of interface modification on forces in foam films and wetting films, Adv. Colloid Interface Sci. 114–115 (2005) 253–266.
54. Wang L.G., R.H. Yoon, Hydrophobic forces in thin aqueous films and their role in film thinning, Colloids Surfaces A 263(1–3) (2005) 267–274.
55. Wang L.G., R.H. Yoon, in: C.A. Young, J.J. Kellar, M.L. Free, J. Drelich, P. King (Eds.), Innovations in Natural Resource Processing: Proceedings of the Jan D. Miller Symposium, Publisher: Society of Mining Metallurgy and Exploration, Littleton, Co, USA, 2005, pp. 130–137.
56. Zhmud B., F. Tiberg, Interfacial dynamics and structure of surfactant layers, Adv. Colloid Interface Sci. 113(1) (2005) 21–42.
57. Basheva E.S., T.D. Gurkov, N.C. Christov, B. Campbell, Interactions in oil/water/oil films stabilized by β–lactoglobulin; role of the surface charge, Colloids Surfaces A 282–283 (2006) 99–108.
58. Bivas I., Electrostatic and mechanical properties of a flat lipid bilayer containing ionic lipids. Possibility for formation of domains with different surface charges, Colloids Surfaces A 282–283 (2006) 423–434.
59. Chattoraj D.K., E. Halder, K.P. Das, A. Mitra, Surface activity coefficients of spread monolayers of behenic acid salts at air–water interface, Adv. Colloid Interface Sci. 123–126 (2006) 151–161.
60. Custers J.P.A., Thermo–reversible binding of multivalent ions by surfactant self–assembly, PhD Thesis, Eindhoven University of Technology, The Netherlands, 2006.
61. Ivanov I.B., K.P. Ananthapadmanabhan, A. Lips, Adsorption and structure of the adsorbed layer of ionic surfactants, Adv. Colloid Interface Sci. 123–126 (2006) 189–212.
62. Jarek E., P. Wydro, A. Warszynski, M. Paluch, Surface properties of mixtures of surface–active sugar derivatives with ionic surfactants: theoretical and experimental investigations, J. Colloid Interface Sci. 293(1) (2006) 194–202.

63. Kumar M.K., T. Mitra, P. Ghosh, Adsorption of ionic surfactants at liquid–liquid interfaces in the presence of salt: application in binary coalescence of drops, Ind. Eng. Chem. Res. 45(21) (2006) 7135–7143.
64. Para G., E. Jarek, P. Warszynski, The Hofmeister series effect in adsorption of cationic surfactants–theoretical description and experimental results, Adv. Colloid Interface Sci. 122 (1–3) (2006) 39–55.
65. Schulze–Schlarmann J., N. Buchavzov, C. Stubenrauch, A disjoining pressure study of foam films stabilized by tetradecyl trimethyl ammonium bromide C14TAB, Soft Matter 2(7) (2006) 584–594.
66. Wang L., R.–H. Yoon, Stability of foams in the presence of ionic and non-ionic surfactants, IMPC 2006, Proceedings, 2006, 453–458.
67. Wang L., Surface Forces in Foam Films, PhD Thesis, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, 2006.
68. Hantal G., L.B. Partay, I. Varga, P. Jedlovszky, T. Gilanyi, Counterion and surface density dependence of the adsorption layer of ionic surfactants at the vapor – aqueous solution interface: a computer simulation study, J. Phys. Chem. B. 111(7) (2007) 1769–1774.
69. Knauf K., Physikochemische Charakterisierung homologer kationischer Tenside und deren Wechselwirkung mit Modellmembranen bestehend aus DMPC und DMPG, PhD Thesis, Naturwissenschaftlichen Fakultät II–Chemie und Physik der Martin–Luther–Universität, Halle–Wittenberg, Germany, 2007.
70. Para G., P. Warszynski, Cationic surfactant adsorption in the presence of divalent ions, Colloids Surfaces A 300(3) (2007) 346–352.
71. Aleiner G.S., O.G Us'yarov, Adsorption of ions in the diffuse part of an electrical double layer at ionic surfactant solution–air interfaces in the presence of background electrolytes, Colloid Journal 70(3) (2008) 263–267.
72. Bershteyn A., J. Chaparro, R. Yau, M. Kim, E. Reinherz, L. Ferreira–Moita, D.J. Irvine, Polymer–supported lipid shells, onions, and flowers, Soft Matter 4(9) (2008) 1787–1791.
73. Gilanyi T., I. Varga, C. Stubenrauch, R. Mescaros, Adsorption of alkyl trimethylammonium bromides at the air/water interface, J. Colloid Interface Sci. 317(2) (2008) 395–401.
74. Giribabu K., M.L.N. Reddy, P. Ghosh, Coalescence of air bubbles in surfactant solutions: Role of salts containing mono–, di–, and trivalent ions, Chemical Engineering Communications 195(3) (2008) 336–351.
75. Karakashev S.I., A.V. Nguyen, J.D. Miller, Equilibrium adsorption of surfactants at the gas–liquid interface, Advances in Polymer Science 218(1) (2008) 25–55.
76. Manev E.D., S.V. Sazdanova, R. Tsekov, S.I. Karakashev, A.V. Nguyen, Adsorption of ionic surfactants, Colloids and Surfaces A: Physicochemical and Engineering Aspects 319(1–3) (2008) 29–33.
77. Morton III S.A., D.J. Keffer, A.N. Davis, R.M. Counce, Effect of low concentration salt on organic contact angle in ionic surfactant solutions: Insight from theory and experiment, Separation Science and Technology 43 (2) (2008) 310–330.
78. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
79. Song S.L., Z.G. Hu, Q.K. Wang, G. Cheng, X.H. Liu, Physicochemical properties and surface tension prediction of mixed surfactant systems: Triton X–100 with dodecylpyridinium bromide and Triton X–100 with sodium dodecylsulfonate, Journal of Dispersion Science and Technology 29(5) (2008) 763–768.
80. Bommaganti P.K., M. Vijay Kumar, P. Ghosh, Effect of binding of counterions on adsorption and coalescence, Chemical Engineering Research and Design 87 (2009) 728–738.
81. Ghosh P., Bubble Science, Engineering & Technology 1(1–2) (2009) 75–87.
82. Raut J.S., S. Akella, A.K. Singh, V.M. Naik, Catastrophic Drop Breakup in Electric Field, Langmuir 25(9) (2009) 4829–4834.
83. Tagashira H., Y. Takata, A. Hyono, H. Ohshima, Adsorption of surfactant ions and binding of their counterins at an air/water interface, J. Oleo Sci. 58(6) (2009) 285–293.
84. Aleiner G.S., O.G. Ys'yarov, Electrical double layer at ionic surfactant solution–air interface, Colloid Journal 72(6) (2010) 731–736.
85. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Adsorption layer characteristics of mixed oxyethylated surfactant solutions, Jornal of Physical Chemistry B 144(13) (2010) 4503–4508.
86. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Adsorption layer characteristics of multi–component surfactants solutions, Soft Matter 6(19) (2010) 4694–4700.
87. Fainerman V.B., E.V. Aksenenko, S.V. Lylyk, J.T. Petkov, J. Yorke, R. Miller, Adsorption layer characteristics of mixed sodium dodecyl sulfate/C nEOm solutions 1. Dynamic and equilibrium surface tension, Langmuir 26(1) (2010) 284–292.
88. Groot R.D., S.D. Stoyanov, Equation of state of surface–adsorbing colloids, Soft Matter 6(8) (2010) 1682–1692.

89. Guerses A., S. Karaca, F. Aksakal, M. Acikyildyz, Monomer and micellar adsorptions of CTAB onto the clay/water interface, Desalination 264(12) (2010) 165–172.
90. Gurser A., S. Karaca, F. Aksakal, Acikyildiz M., Monomer and micellar adsorptions of CTAB onto the clay/water interface, Desalination 264(1–2) (2010) 165–172.
91. Klapper P., Tensiometrische Stofftransportuntersuchungen der Zinkextraktion mit dem Kationenaustauscher Di(2-ethylhexyl)phosphorsäure, PhD Thesis, TU Bergakadenie, Frieberg, Germany, 2010.
92. Skrzela R., G. Para, P. Warszynski, K.A. Wilk, Experimental and theoretical approach to nonequivalent adsorption of novel dicephalic ammonium surfactants at the air/solution interface, Journal of Physical Chemistry B 114(32) (2010) 10471–10480.
93. Takata Y., H. Tagashira, A. Hyono, H. Ohshima, Effect of counterion and configurational entropy on the surface tension of aqueous solutions of ionic surfactant and electrolyte mixtures, Entropy 12(4) (2010) 983–995.
94. Wang C., H. Morgner, Effect of counterions of adsorption behavior of anionic surfactats on solution surface, Langmuir 26(5) (2010) 3121–3125.
95. Wojciechowski K., M. Kucharek, W. Wroblewski, P. Warszynski, On the origin of the Hofmeister effect in anion–selective potentiometric electrodes with tetraalkylammonium salts, Journal of Electroanalytical Chemistry 638 (2010) 204–211.
96. Fainerman V.B., E.V. Aksenenko, J.T. Petkov, R. Miller, Equilibrium adsorption layer characteristics of mixed sodium dodecyl sulphate/Triton solutions, Colloids and Surfaces 385(1–3) (2011) 139–143.
97. Jimmi B., S. Kentish, M. Ashokkumar, Dynamics of counterion binding during acoustic nebulisation of surfactant solutions, Ultrasonics Sonochemistry 18(5) (2011) 958–962.
98. Kristen-Hochrein N., N. Schelero, R. Bon Klitzing, Effects of oppositely charged surfactants on the stability of foam films, Colloid and Surfaces A 382(1–3) (2011) 165–173.
99. Ritacco H., D. Langevin, H. Diamant, D. Andelman, Dynamic surface tension of aqueous soluitons of ionic surfactants: role of electrostatics, Langmuir 27(3) (2011) 1009–1014.
100. Wang C., H. Morgner, At the surface of non-aqueous solutions of anionic surfactants, Colloid and Polymer Science 289(8) (2011) 967–970.
101. Wang C., H. Morgner, The competitive adsorption of counter–ions at the surface of anionic surfactants solution, Physical Chemistry Chemical Physics 13(9) (2011) 3881–3885.
102. Yoon R.-H., L. Wang, Hydrophobic forces in foam films; in: Colloid Stability: The Role of Surface Forces, 2011, Ch. 7.
103. Bernardini C., Structure of binary mixed polymer Langmuir layers, PhD Thesis, Vageningen University, 2012.
104. Chanda S., D. Das, J. Das, K. Ismail, Adsorption characteristics of sodium dodecylsulfate and cetylpyridinium chloride at air/water, air/formamide and air/water formamide interfaces, Colloid Surfaces A 399 (2012) 56–61.
105. Chang C.-C., Adsorption kinetics of dioctyl sodium sulfosuccinate in aqueous NaCl solution, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
106. Dey J., Studies on the micellization behavior of surfactants in selected solvent media, PhD Thesis, North-Eastern Hill University, 2012.
107. Dey J., U. Thapa, K. Ismail, Aggregation and adsorption of sodium dioctylsulfosuccinate in aqueous ammonium chloride solution: Role of mixed counterions, J. Colloid Interface Sci. 367(1) (2012) 305–310.
108. Fainerman V.B., S.V. Lylyk, E.V. Aksenenko, N.M. Kovalchuk, V.I. Kovalchuk, J.T. Petkov, R. Miller, Effect of water hardness on surface tension and dilatational visco-elasticity of sodium dodecyl sulphate solutions, Journal Colloid and Interface Science 377(1) (2012) 1–6.
109. Imai Y., H. Takumi, H. Tanida, I. Watanabe, T. Takiue, H. Matsubara. M. Aratono, Study of the distribution of binary mixed counterions in surfactant adsorbed films by total reflection XAFS measurements, J. Colloid Interface Science 388(1) (2012) 219–224.
110. Li X., P. Stevenson, Foam fractionation, in: Foam Engineerig: Fundamentals and Applications, 2012, Ch. 14.
111. Liao Y.-C., Adsorption kinetics of sodium dodecylsulfate aqueous solution with NaCl, MSc. Thesis, National Taiwan University of Science and Technology, 2012.
112. Singh O.G., K. Ismail, Effect of sodium chloride on the aggregation, adsorption and counterion binding behavior of mixture of sodium dioctylsulfosuccinate and sodium dodecyl sulfate in water, Colloid Surfaces A 414 (2012) 209–215.
113. Slavchov R., S.I. Karakashev, I.B. Ivanov, Ionic surfactants and ion-species effects: adsorption; micellization; thin liquid films, in: Surfactant Science and Technology: Retrospects and Prospects, Taylor and Frances, 2012.

114. Slavshov R., J.K. Novev, Surface tension of concentrated electrolyte solutions, Journal of Colloid and Interface Sci. 387(1) (2012) 234–243.
115. Banik M., P. Ghosh, The electroviscous effect at fluid-fluid interfaces, Industrial and Engineering Chemistry Reseatch 52(4) (2013) 1581–590.
116. Bernardini C., S.D. Stoyanov, L.N. Arnaudov, M.A. Cohen Stuart, Colloids in Flatland: a perspective on 2D phase-separated systems, characterisation methods, and lineactant design, Chemical Society Reviews 42(5) (2013) 2100–2129.
117. Brzozowska A.M., F. Mugele, M.H.G. Duits, Stability and interactions in mixed monolayers of fatty acid derivatives on Artificial Sea Water, Colloid Surfaces A 433 (2013) 200–211.
118. Fleckenstein S., D. Bothe, Simplified modeling of the influence of surfactants on the rise of bubbles in VOF-simulations, Chemical Engineering Science 102 (2013) 514–523.
119. Karakashev S.I., A.V. Nguyen, R. Tsekov, Effect of the adsorption component of the disjoining pressure on foam film drainage, Colloid Journal 75(2) (2013) 176–180.
120. Kuo C.-C., A theoretical study of ionic surfactant adsorption kinetics, National Taiwan University of Science and Technology, 2013.
121. Saien J., F. Moghaddamnia, M. Mishi, Simultaneous influence of uni-univalent salt aqueous solutions and sodium dodecyl sulfate surfactant on interfacial tension of toluene-water, Korean Journal of Chemical Engineerign 30(5) (2013) 1125–1130.
122. Saien J., S. Asadabadi, Temperature effect on adosrption of imidazolium-based ionic liquids at liquid-liquid interface, Colloid Surfaces A 431 (2013) 34–41.
123. Slavchov R.I., I.M. Dimitrova, I.B. Ivanov, Cohesive and non-cohesive adsorption of surfactants at liquid interfaces, Understanging Complex Systems (2013) 199–225.
124. Slavchov R.I., J.K Novev, T.V. Peshkova, N.A. Grozev, Surface tensioon and surface $\delta\chi$-potential of concentrated Z+:Z– electrolyte solutions, J. Colloid Interface Sci. 403 (2013) 113–126.
125. Takata Y., H. Tagashira, A. Hyono, H. Ohshima, Effect of counterion and configurational entropy on the surface tension of aqueous solutions of ionic surfactant and electrolyte mixtures, Entropy 115(4) (2013) 983–995.
126. Behera M.R., S.R. Varade, P. Ghosh, P. Paul, A.S. Negi, Foaming in micellar solutions: Effects of surfactants, salts, and oil concentrations, Industrial and Engineering Chemistry Research 53(48) (2014) 18497–18507.
127. Chen M., X. Lu, X, Liu, Q. Hou, Y. Zhu, H. Zhou, Temperature-dependent phase transition and desorption free energy of sodium dodecyl sulphate at the water/vapour interface: Approaches from molecular dynamics simulations, Langmuir 30(35) (2014) 10600–10607.
128. Dai C., J. Zhao, L. Yan, M. Zhao, Adsorption behavior of cocamidopropyl betaine under conditions of high temperature and high salinity, Journal of Applied Polymer Science 131(12) (2014) Art. No. 40424.
129. Erramreddy V.V., S. Ghosh, Influence of emulsifier concentration on nanoemulsion gelation, Langmuir 30(37) (2014) 11062–11074.
130. Fainerman V.B., E.V. Aksenenko, N. Mucic, A. Javadi, R. Miller, Thermodynamics of adsorption of ionic surfactants at water/alkane interface, Soft Matter 10(36) (2014) 6873–6887.
131. Garche H., K.F. Lam, B. Stinner, Diffuse interface modelling of soluble surfactants in two-phase flow, Communications in Mathematical Sciences 12(8) (2014) 1475–1522.
132. Ghosh P., M. Banik, Effects of salts containing mono-, di-, and trivalent ions on electrical and rheological properties of iol-water interface in presence of cationinc surfactant: importance in the stability of iol-in-water emulsions, Journal of Dispersion Science and Technology 35(4) (2014) 471–481.
133. Karakashev S.I., How to determine the adsorption energy of the surfactant's hydrophilic head? How to estimate easily the surface activity of every simple surfactant? J. Colloid Interface Sci. 432 (2014) 98–104.
134. Lam K.F., Diffuse interface model of soluble surfactants in two-phase fluid flow, PhD Thesis, 2014, University of Warwick.
135. Lin C.-H., A study on the adsorption kinetics of ionic surfactants and evaporation behavior of sessile drop, PhD Thesis, Department of Chemical Engineerigng, National Taiwan University of Science and Technology, 2014.
136. Nguyen K.T., A.V. Nguyen, In situ investigation of halide co-ion effects on SDS adsorption at air-water interface, Soft Matter 10(34) (2014) 6558–6563.
137. Pan A., A.K. Rakshit, S.P. Moulik, Dwelling on the adsorption of surfactant at the air/water interface in relation to its states in the bulk: A comprehensive analysis, Colloids Surfaces A 464 (2014) 8–16.
138. Saien J., S. Asadabadi, Salting out effects on adosrption and micelizattion of three imidazolium-base ionic liquids at liquid-liquid interface, Colloid Susrfaces A 444 (2014) 138–143.
139. Sainanth K., P. Ghosh, Electrical properties of silicone oil-water interface in the presence of ionic surfactants and salt: Importance in the stability of oil-in-water emulsions, Chemical Engineering Communications 201(11) (2014) 1645–1663.

140. Schelero N., R. Miller, R. von Klitzing, Affeects of oppositely charged hydrophobic additives (alkanoates) on the stability of C14TAB doam dilms, Colloid Surfaces A 460 (2014) 156–167.
141. Schelero N., R. von Klitzing, Polyelectrolytes, films – specific ion effects in thin films, in: Encyclopedia in Applied Electrochemistry, 2014, 1633–1639.
142. Wang C., Different distributions of counterions in the surface layer of cationic surfactant solutions, Journal of Dispersion Science and Technology 35(4) (2014) 734–738.
143. Wojciechowski K., Hofmeister effect in ion-selective electrodes from the fluid-fluid interface perspective, in: Colloid and Interface Chemistry for Nanotechnology, 2014, Ch. 16.
144. Zhao J., C. Dai, J. Fang, X. Feng, L. Yan, M. Zhao, Surface properties and adsorption behavior of cocamidopropyl dimethyl amine oxide under high temperature and high salinity conditions, Colloid Susrfaces A 450(1) (2014) 93–98.
145. Станимирова Р.Д., Състав и теология на адсорбционни слоеве от смеси на ПАВ и протеини на различни междуфазови граници, Дисертация за доктор, ФХФ, СУ „Св. Кл. Охридски", 2014.
146. Anachkov S.E., S. Tcholakova, D.T. Dimitrova, N.D. Denkov, N. Subrahmaniam, P. Bhunia, Adsorption of linear alkyl benzene sulfonates on oil-water interfaces: Effects of Na^{+}, Mg^{2+}, and Ca^{2+} ions, Colloids and Surfaces A 466 (2015) 18–27.
147. Kirby S.M., S.L. Anna, L.M. Walker, Sequential adsorption of an irreversibly adsorbed non-ionic surfactant and an ionic surfactant at an oil/aqueous interface, Langmuir 31(14) (2015) 4063−4071.
148. Lunkerheimer K., D. Prescher, R. Hirte, K. Geggel, Adsorption properties of surface chemically pure sodium perfluoro-N-alkanoates at the air./water interface: Counterion effects within homologuous series of 1:1 ionic surfactants, Langmuir 31(3) (2015) 970–981.
149. Pan A., A.K. Rakshit, S.P. Moulik, Dwelling on the adsorption of surfactant at the air/water interface in relation to its states in bulk: A comprehensive analysis, Colloids and Surfaces A 464 (2015) 8−16.
150. Saien J., S. Asadabadi, Alkyl chain length, counter anion and temperature effects on the interfacial activity of imidazolium ionic liquids: Comparison with structurally related surfactants, Fluid Phase Equilibria 386 (2015) 134−139.
151. Sett S., S.I. Karakashev, S.K. Smoukov, A.I. Yarin, Ion-specific effects in foams, Advances in Colloid and Interface Science 225 (2015) 98−113.
152. Wang C., S. Bo, A. Kan, Z. Liu, J. Liu, Investigation of the surface structure of solution using neutral impact collision ion scattering spectroscopy, Journal of Tianjin University Science and Technology 48(11) (2015) 1030−1034.
153. Wang C., Y. Tan, Z Jiang, X. Lin, S. Hu, Molecular structure of ionic surfactant solution surface and effects of counterion therein – a joint investigation by simulation and experiment, Colloid and Polymer Science 293(12) (2015) 3479−3486.
154. Allen D., Y. Saaka, L.C. Pardo, M.J. Lawrence, C.D. Lorenz, Specific effects of monovalent counterions on the structural and interfacial properties of dodecyl sulfate monolayers, Physical Chemistry Chemical Physics 18 (2016) 30394–30406.
155. Asadabadi S., J. Saien, Effects of pH and salinity on adsorption of different imidazolium ionic liquids at the interface of oil-water, Colloids and Surtfaces 489 (2016) 36−45.
156. Lee C.H., Y.C. Bae, Effect of surfactants on the swelling behaviors of thermosensitive hydrogels: Applicability of the generalized Langmuir isotherm, RSC Advances 6(105) (2016) 103811−103821.
157. Manz K.E., G. Haerr, J. Lucchesi, K.E. Carter, Adsorption of hydraulic fracturing fluid components 2-butoxyethanol and furfural onto granular activated carbon and shale rock, Chemosphere 164 (2016) 585−592.
158. Shahir A.A., A.V. Nguyen, S.I. Karakashev, A quantification of immersion of the adsorbed ionic surfactants at liquid/fluid interfaces, Colloid Surfaces A 509 (2016) 279−292.
159. Wang C., Z. Jiang, L. Xu, A. Kan, H. Fu, X. Lin, Surface structure of aqueous surfactant solutions and effects of solvent therein – a computer simulation study, Colloid and Polymer Science 294(3) (2016) 575−581.
160. Wojciechowski K., Hofmeister effect in ion-selective electrodes from the fluid-fluid interface perspective, Colloid and Interface Chemistry for Nanotechnology 2016 369−401.
161. Kinoshita K., E. Parra, D. Needham, Adsorption of ionic surfactants at microscopic air-water interfaces using the micropipette interfacial area-expansion method: Measurement of the diffusion coefficient and renormalization of the mean ionic activity for SDS, Journal of Colloid and Interface Science 504 (2017) 765−779.
162. Nallet F., Surfactant films in lyotropic lamellar (and related) phases: Fluctuations and interactions, Advances in Colloid and Interface Science 247 (2017) 363–373.

163. Pesci C., H. Marschall, T. Kairaliyeva, V. Ulaganathan, R. Miller, D. Bothe, Experimental and computational analysis of fluid interfaces influenced by soluble surfactant, in: Advances in Mathematical Fluid Mechanics, Ga,di G.P., ed., Springer, 2017, 395–444.
164. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 38 (2017) 1–8.
165. Varade S.R., P. Ghosh, Foaming in aqueous solutions of zwitterionic surfactants: Effects of oils and slats, Journal of Dispersion Science and Technology 38 (2017) 1170–1784.
166. Zhang C., Y. Jiang, H. Ju, Y. Wang, T. Geng, Lipophilic counterion effect on aggregation and adsorption behavior of quaternary ammonium surfactants, Journal of Dispersion Science and Technology 38 (2017) 1817–1823.
167. Zhang C., T. Geng, Y. Jiang, L. Zhao, H. Ju, Y. Wang, Impact of NaCl concentration on equilibrium and dynamic surface adsorption of cationic surfactants in aqueous solution, Journal of Molecular Liquids 238 (2017) 423–429.
168. Yarveicy H., A. Haghtalab, Effect of amphoteric surfactant on phase behavior of hydrocarbon-electrolyte-water system-an application in enhanced oil recovery, Journal of Dispersion Science and Technology 38 (2017) 1–9.
169. Allen D.T., N. Domestani, Y. Saaka, M.J. Lawrence, C.D. lorenz, Interactions of testerone-based compounds with dodecylsulfate monolayers at the air-water interface, Physical Chemistry Chemical Physics 20(13) (2018) 8790–8801.
170. Mchedlov-Petrossyan N.O., The Davies equation of state of ionic surfactant adsorbed monolayer and related problems, Colloids Surfaces A 537 (2018) 325–333.
171. Cho H.J., V. Sresht, E.N. Wang, Predicting surface tensions of surfactant solutions from statistical mechanics, Langmuir 34(6) (2018) 2386–2395.
172. Diugnan T.T., M. Peng, A.V. Nguyen, X.S. Zhao, M.D. Baer, C.J. Mundy, Detecting the undetectable: The role of trace surfactant in the Jones-Ray effect, The Journal of Chemical Physics 149 (2018) Art. No. 194702.
173. Imai Y., Y. Tokigawa, S. Ueno, H. Tanida, I. Watanabe, H. Matsubara, T. Takiue, M. Aratono, Effect of the headgroup structure on counterion binding in adsorbed surfactant films investigated by total reflection x-ray adsorption fine structure spectroscopy, Bulletin of the Chemical Society of Japan 91 (2018) 1487–1494.
174. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 39(1) (2018) 92–99.
175. Uematsu Y., K. Chida, H. Matsubara, Intentionally added ionic surfactants induce Jones-ray effect at air-water interface Colloids and Interface Science Communications 27 (2018) 45–48.
176. Yazhgur P., S. Vierros, D. Hannoy, M. Sammalkorpi, A. Salonen, Surfactant integration and organization at the gas-water interface (CTAB with added salt), Langmuir 34(5) (2018) 1855–1864.
177. Manz K.E., The impact of chemical aditives and chemical transformations on water quality and hydraulic fracturing, PhD Thesis, University of Tennessee, 2018.
178. Das S., J. Adeoye, I. Dhiman, H.Z. Bilheux, B.R. Ellis, Ambibition of mixed-charge surfactant fluids in shale fractures, Energy and Fuels 33(4) (2019) 2839–2847.
179. Li Y., H. Wang, W. Li, S. Song, A fundamental study of monovalent and divalent ions on froth properties in the presence of terpenic oil, Physicochemical Problems of Mineral Processing 55(3) (2019) 643–654.
180. Alhaji M., An experimental study of bulk foam properties with commercial surfactants in saline environments, PhD Thesis, Department of Chemistry, University of Bergen, 2019.
181. Chang F., Z.B. He, Q. Zhou, Solid-phase preparation of Al-TiO2 for efficient separation of vioderived product Danshensu, Journal of Chemistry (2019) Art. No. 8579528.
182. Wang C., F. Liu, H. Yang, H. Morgner, L. Zhang, X. Lin, Z. Liu, H. Fu, Dependence of surface tension on surface concentration in ionic surfactant solutions and influences of supporting electrolyte therein, Tenside 56(6) (2019) 484–489.
183. Keshavarzi B., M. Mahmoudvand, A. Javadi, A. Bahramian, R. Miller, K. Eckert, Salt effect on formation and stability of colloidal gas aphrons produced by anionic and zwitterionic surfactants in xanthan gum solution, Colloids and Interfaces 4 (2020) 9.
184. Hill R.J., G. Afuwape, Dynamic mobility of surfactant-stabilized nano-drops: unifying equilibrium thermodynamics, electrokinetics and Marangoni effects, Journal of Fliud Mechanics 895 (2020) A14.
185. Peng M., A.V. Nguyen, Adsorptioin of ionic surfactants at the air/water interface: The gap between theory and experiment, Advances in Colloid and Interface Science 275 (2020) Art. No. 102052.
186. Peng M., T.T. Duignan, A.V. Nguyen, Significant effect of surfactant adsorotion layer thisckness in equilibrium foam films, Journal of Physical Chemistry B 124 (2020) 5301–5310.

187. Hill R.J., Electrokinetic spectra of dilute surfactant-stabilized nano-emulsions, Journal of Fliud Mechanics 920 (2020) A15.
188. Wang X., K.P. Santo, A.V. Neimark, Modeling gas-liquid interfaces by dissipative particle dynamics: Adsorption and surface tension of cetyl trimethyl ammonium bromide at the air-water interface, Langmuir 36 (2020) 14686–14698.
189. Geppert J., F. Kubannek, P. Rose, U. Krewer, Identifying the oxygen evolution mechanism by microkinetic modelling of cyclic voltammograms, Electrochimica Acta 380 (2021) Art. No. 137902.

068 K.D. Danov, P.A. Kralchevsky, I.B. Ivanov, Equilibrium and dynamics of surfactant adsorption monolayers and thin liquid films, in: G. Broze (Ed.), Handbook of Detergents. Part. A: Properties, Marcel Dekker, 1999, pp. 303–418. (**Citations: 25**)

1. Arnaudov L., N.D. Denkov, I. Surcheva, P. Durbin, G. Broze, A. Mehreteab, Effect of oily additives on foamability and foam stability. 1. Role of interfacial properties, Langmuir 17(22) (2001) 6999−7010.
2. Salager S.E., E.C. Tyrode, M.T. Celis, J.–L. Salager, Influence of the stirrer initial position on emulsion morphology. Making use of the local water−to−oil ratio concept for formulation engineering purpose, Ind. Eng. Chem. Res. 40(22) (2001) 4808−4814.
3. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
4. Gurkov T.D., E.S. Basheva, Hydrodynamic behavior and stability of approaching deformable drops, in: T. Hubbard (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
5. Perez M., N. Zambrano, M. Ramirez, E. Tirode, J.L. Salager, Surfactant−oil−water systems near the affinity inversion. XII. Emulsion drop size versus formulation and composition, J. Dispersion Science and Technology 23(1−3) (2002) 55−63.
6. Frese Ch., S. Ruppert, M. Sugár, H. Schmidt−Lewerkühne, K.P. Wittern, V.B. Fainerman, R. Eggers, R. Miller, Adsorption kinetics of surfactant mixtures from micellar solutions as studied by maximum bubble pressure technique, J. Colloid Interface Sci. 267(2) (2003) 475−482.
7. Tamura T., Y. Kaneko, Foam film stabilitty in aqueous systems, in: S. Hartland (Ed.), Surface and Interfacial Tension: Measurement, Theory, and Applications, Marcel Dekker, New York, 2004, p. 143.
8. Lee J., S. Kentish, M. Ashokkumar, Effect of surfactants on the rate of growth of an air bubble by rectified diffusion, J. Phys. Chem. B 109(30) (2005) 14595−14598.
9. Angle C.W., T. Dabros, H.A. Hamza, Predicting sizes of toluene−diluted heavy oil emulsions in turbulent flow. Part 1 − Application of two adsorption kinetic models for sigma(E) in two size predictive models, Chemical Engineering Science 61(22) (2006) 7309−7324.
10. Durand M., H. Stone, Relaxation time of the topological T1 process in a two-dimensional foam, Phys. Rev. Lett. 97 (2006) 226101.
11. Szekeres E., E. Acosta, D.A. Sabatini, J.H. Harwell, Modeling solubilization of oil mixtures in anionic microemulsions: II. Mixtures of polar and non−polar oils, J. Colloid Interface Sci. 294(1) (2006) 222−233.
12. Sosnowski T., Efekty dynamiczne w układach ciecz-gaz z aktywną powierzchnią międzyfazową, Prace Widzialu Inzinieri Chemichnei 30(2) (2006) 3−141.
13. Tolosa L.I., A. Forgiarini, P. Moreno, J.L. Salager, Combined effects of formulation and stirring on emulsion drop size in the vicinity of three−phase behavior of surfactant−oil water systems, Industrial Engineering Chemisry Research 45(11) (2006) 3810−3814.
14. Weiss M., R.C. Darton, T. Battal, C.D. Bain, Surfactant adsorption and Marangoni flow in liquid jets. 3. Modeling in the presence of micellar surfactant, Ind. Eng. Chem. Res. 45(7) (2006) 2235–2248.
15. Hannisdal A., R. Orr, J. Sjoblom, Viscoelastic properties of crude oil components at oil−water interfaces. 2: Comparison of 30 oils, J. Dispersion Science and Technology 28(3) (2007) 361−369.
16. Tamura T., Physical properties of foam film from surfactant aqueous solutions, Oleoscience 9(5) (2009) 197−210.
17. Dixit S.S., A. Pincus, B. Guo, G.W. Faris, Droplet shape analysis and permeability studies in droplet liquid bilayers, Langmuir 28(19) (2012) 7442−7451.
18. Stewart P.S., S.H. Davis, S. Hilgenfeldt, Viscous Rayleigh-Taylor istability in aqueous foams, Colloids and Surfaces A 436 (2013) 898–905.
19. Suriyarak S., J. Weiss, Cutoff Ostwald ripening stability of alkane-in-water emulsion loaded with eugenol, Colloid and Surfaces A 446 (2014) 71−79.
20. Venkatesan G.A., J. Lee, A.B. Farimani, M. Heiranian, C.P. Collier, N.R. Aluru, S.A. Sarles, Adsorption kinetics dictate monolayer self-assembly for both lipid-in and lipid-out approaches to droplet interface bilayer formation, Langmuir 31(47) (2015) 12883−12893.

21. Javadian S., J. Kakemam, Intermicellar interactions in surfactant solutions: A review study, Journal of Molecular Liquids 242 (2017) 115–129.
22. Rofeh J., S. Schankweiler, D. Morton, S. Mortezaei, L. Qiang, J. Gundlach, J. Fisher, L. Theogarajan, Microfluidic block copolymer membrane arrays for nanopore DNA sequencing, Applied Physics Letters 114(21) (2019) Art. No. 213701.
23. Xie L., Q. Lu, X. Tan, Q. Liu, T. Tang, H. Zeng, Interfacial behavior and interaction mechanism of pentol/water inreface stabilized with asphaltenes, Journal of Colloid and Interface Science 553 (2019) 341–349.
24. Bois R., I. Pezron, A. Nesterencko, Dynamic interfacial properties of sugar-based surfactants: Experimental study and modeling, Colloid and Interface Science Communications 37 (2020) Art. No. 100293.
25. Chatzigiannakis E., N. Jaensson, J. Vermant, Thin liquid films: Where hydrodynamics, capillarity, surface stresses and intermolecular forces meet, Current Opinion in Colloid and Interface Science 53 (2021) Art. No. 101441.

067 K.D. Danov, T.D. Gurkov, H. Raszillier, F. Durst, Stokes flow caused by the motion of a rigid sphere close to a viscous interface, Chem. Eng. Sci. 53(19) (1998) 3413–3434. (**Citations: 24**)

1. Veerapaneni S., J.M. Wan, T.K. Tokunaga, Motion of particles in film flow, Environ. Sci. Technol. 34(12) (2000) 2465–2471.
2. Bishop A.I., T.A. Nieminen, N.R. Heckenberg, H. Rubinsztein–Dunlop, Optical microrheology using rotating laser–trapped particles, Phys. Rev. Lett. 92(19) (2004) Art. No. 198104.
3. Mirowski E., J. Moreland, A. Zhang, S.E. Russek, M.J. Donahue, Manipulation and sorting of magnetic particles by a magnetic force microscope on a microfluidic magnetic trap platform, Appl. Phys. Lett. 86(24) (2005) Art. No. 243901.
4. Felderhof B.U., Effect of surface tension and surface elasticity of a fluid–fluid interface on the motion of a particle immersed near the interface, J. Chem. Phys. 125(14) (2006) Art. No. 144718.
5. Lightfoot M.D.A., Fundamental classification of atomization processes, Air Force Research Laboratory, Eqdwards, CA, 2007, PA08246A.
6. Pozrikidis C., Particle motion near and inside an interface, J. Fluid Mech. 575 (2007) 333–357.
7. Dietrich N., ÉTUDE LOCALE ET EXPÉRIMENTALE DES PHÉNOMÈNES INTERFACIAUX, PhD Thesis, INSTITUT NATIONAL POLYTECHNIQUE DE LORRAINE, École Nationale Supérieure des Industries Chimiques, Laboratoire des Sciences du Génie Chimique, École Doctorale RP2E, France, 2008.
8. Lightfoot M.D.A., Fundamental classification of atomization processes, Atomization and Sprays 19(11) (2009) 1065–1104.
9. Blawzdziewicz J., M.L. Ekiel–Jeewska, E. Wajnryb, Hydrodynamic coupling of spherical particles to a planar fluid–fluid interface: Theoretical analysis, J. Chemical Physics 133(11) (2010) Art. No. 114703.
10. Blawzdziewicz J., M.L. Ekiel–Jeewska, E. Wajnryb, Motion of a spherical particle near a planar fluid–fluid interface: The effect of surface incompressibility, J. Chemical Physics 133(11) (2010) Art. No. 114702.
11. Mashayek A., C. Pozrikidis, Motion of a spherical particle inside a liquid film, Acta Mechanica 210(1–2) (2010) 27–46.
12. Rouyer F., C. Fritz, O. Pitois, The sedimentation of fine particles in liquid foams, Soft Matter 6(16) (2010) 3863–3869.
13. Dietrich N., S. Poncin, H.Z. Li, Dynamical deformation of a flat liqui/liquid interface, Experiments in Fluids 50(5) (2011) 1293–1303.
14. Rouyer F., Quelques études de la physique des écoulements d'une mousse et dans une mousse, PhD Thesis, Universitet Paris-Est, 2011.
15. Wang W., P. Huang, Anisotropic mobility of particles near the interface of two immiscible liquids, Physics of Fluids 26(9) (2014) Art. No. 092003.
16. Dorr A., S. Hardt, Driven particles at fluid interfaces acting as capillary dipoles, Journal of Fluid Mechanics 770 (2015) 5–26.
17. Dorr A., S. Hardt, H. Masoud, H.A. Stone, Drag and diffusion coefficients of a spherical particle attached to a fluid-fluid interface, Journal of Fluid Mechanics 790 (2016) 607–618.
18. Daddi-Mousa-Ider A., S. Gekle, Brownian motion near an elastic cell membrane: A theoretical study, European Physical Journal E 41(2) (2018) Art. No. 19.
19. Daddi-Mousa-Ider A., M. Lisicki, S. Gekle, A.M. Menzel, H. Lowen, Hydrodynamic coupling and rotational mobilities near plannar elastic membranes, Journal of Chemical Physics 149(1) (2018) Art. No. 014901.
20. Moshaei M.H., Adhesion of rolling cell to deformable substrates in shear flow, PhD Thesis, Russ College of Engineering, Ohio University, 2018.

21. Vasudevan S.A., Dynamics and wetting of heterogeneous colloids at liquid interfaces, PhD Thesis, ETH Zurich, 2018.
22. Moshaei M.H., M. Tehrani, A. Sarvestani, On stability of specific adhesion of particles to membranes in simpler shear flow, Journal of Biomechanical Engineering 141(1) (2019) Art. No. 0110051.
23. Villa S., A. Stocco, C. Blanc, M. Nobili, Multistable interaction between a spherical Brownian particle and an air-water interface, Soft Matter 16 (2020) 960–969.
24. Villa S., G. Boniello, A. Stocco, M. Nobili, Motion of micro- and nano-particles interacting with fluid interface, Advances Colloid Interface Science 248 (2020) Art. No. 102262.

066 V.N. Paunov, K.D. Danov, N. Alleborn, H. Raszillier, F. Durst, Stability of evaporating two–layered liquid film in the presence of surfactant – III. Non–linear stability analysis, Chem. Eng. Sci. 53(15) (1998) 2839–2857. (**Citations: 43**)

1. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
2. Самонов В.Е., Математическое моделирование движения тонкого слоя жидкости под действием поверхностних сил, Дисертация на соискания научной степени кандидата физико математических наук, Ставропольский Государствении Университет, 2003.
3. Bandyopadhyay D., R. Gulabani, A. Sharma, Instability and dynamics of thin liquid bilayers, Ind. Eng. Chem. Res. 44(5) (2005) 1259–1272.
4. Fisher L.S., A.A. Golovin, Nonlinear stability analysis of a two–layer thin liquid film: dewetting and autophobic behaviour, J. Colloid Interface Sci. 291(2) (2005) 515–528.
5. Merkt D., A. Pototsky, M. Bestehorn, U. Thile, Long–wave theory of bounded two–layer films with a free liquid–liquid interface: short– and long–time evolution, Phys. Fluids 17(6) (2005) Art. No. 064104.
6. Pototsky A., M. Bestehorn, D. Merkt, U. Thile, Morphology changes in the evolution of liquid two–layer films, J. Chem. Phys. 122(22) (2005) Art. No. 224711.
7. Pototsky A., Pattern formation in thin one- and two-layer liquid film, PhD Thesis, Cottbus Technical University, 2005.
8. Bandyopadhyay D., A. Sharma, Nonlinear instabilities and pathways of rupture in thin liquid bilayers, J. Chem. Phys. 125(5) (2006) Art. No. 054711.
9. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convenction in multylayer systems (2006) 1–314.
10. Nepomnyashchy A., A. Golovin, V. Volpert, A. Tikhomirova, Interfacial phenomena in evaporation of binary mixture, MMT 4 (2006) 47–56.
11. Bandyopadhyay D., A. Sharma, Electric field induced instabilities in thin confined bilayers, J. Colloid Interface Sci. 311(2) (2007) 595–608.
12. Fisher L.S., A.A. Golovin, Instability of a two–layer thin liquid film with surfactants: dewetting waves, J. Colloid Interface Sci. 307 (2007) 203–214.
13. Lenz R.D., S. Kumar, Competitive displacement of thin liquid films on chemically patterned substrates, J. Fluid Mech. 571 (2007) 33–57.
14. Thiele U., Structure formation in thin liquid films, In. CISM Courses and Lectures 490 (2007) 25–93.
15. Bandyopadhyay D., A. Sharma, C. Rastogi, Dewetting of the thin liquid bilayers on topographically patterned substrates: Formation of microchannel and microdot arrays, Langmuir 24(24) (2008) 14048–14048.
16. Bandyopadhyay D., A. Sharma, Dewetting pathways and morphology of unstable thin liquid bilayers, Journal of Physical Chemistry B 112(37) (2008) 11564–11572.
17. Bandyopadhyay D., A. Sharma, V. Shankar, Instabilities and pattern miniaturization in confined and free elastic–viscous bilayers, Journal of Chemical Physics 128(15) (2008) art. no. 154909.
18. Heier J., J. Groenewold, S. Huber, F. Nuesch, R. Hany, Nanoscale structuring of semiconducting molecular blend films in the presence of mobile counterions, Langmuir 24(13) (2008) 7316–7322.
19. Bandyopadhyay D., A. Sharma, U. Thiele, D.S. Reddy, Electric–field–induced interfacial instabilities and morphologies of thin viscous and elastic bilayers, Langmuir 25(16) (2009) 9108–9118.
20. Craster R.V., O.K. Matar, Dynamics and stability of thin liquid films, Reviews of Modern Physics 81(3) (2009) 1131–1198.
21. Nepomnyashchy A., I. Simanovskii, Instabilities and Ordered Patterns in Nonisothermal Ultrathin Bilayer Fluid Films, Phys. Review Letters 102(16) (2009) Pap. No. 164501.
22. Bandyopadhyay D., A. Sharma, S.W. Joo, S.Z. Qian, Self–Organized Micropatterning of Thin Viscous Bilayers Under Microgravity, Microgravity Science and Technology 22(3) (2010) 273–282.

23. Bandyopadhyay D., A. Sharma, Self–organized microstructures in thin bilayers on chemically patterned substrates, J. of Physical Chemistry C 114(5) (2010) 2237–2247.
24. Nepomnyashchy A., I. Simanovskii, Instabilities of non–isothermic ultra–thin two–layer films, Journal of Physics: Conference Series 26 (2010) Pap. No. 012015.
25. Reddy P.D.S., D. Pandyopadhyay, A. Sharma, Self–organized ordered arrays of core–shell columns in viscous bilayers formed by spatially varying electric fields, Journal of Physical Chemistry C 114(49) (2010) 21020–21028.
26. S. Srivastava, P.D.S. Reddy, C. Wang, D. Pandyopadhyay, A. Sharma, Electric field induced microstructures in thin films on physicochemically heterogeneous and patterned substrates, Jornal of Chemical Physics 132(17) (2010) Art. No. 174703.
27. Ward M.H., Interfacial thin films rupture and self-similarity, Physics of Fluids 23(6) (2011) Pap. No. 062105.
28. Xu L., D. Bandyopadhyay, A. Sharma, S.W. Joo, Switching of interfacial instabilities from the liquid/air interface to the liquid/liquid interface in a polymer bilayer, Soft Matter 7(18) (2011) 8056–8066.
29. Xu L., D. Bandyopadhyay, T.F. Shi, L.J. An, A. Sharma, S.W. Joo, Deweting kinetics of thin polymer bilayers: role of under layer, Polymer 52(19) (2011) 4345–4354.
30. Bandyopadhyay D., P. Dinesh Sankar Reddy, A. Sharma, Electric field and van der Waals force induced instabilities in thin viscoelastic bilayers, Physics of Fluids 24(7) (2012) Art. 074106.
31. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Electric-field-induced interfacial instabilities of a soft elastic membrane confined between viscous layers, Physical Review E 86(4) (2012) Art. 041602.
32. Kaliadasis S., C, Ruyer-Quil, B. Sheid, M. Velarde, Falling liquid films, Applied Mathematics Series, 176, 2012.
33. Nepomnyashchy A., I. Simanovskii, Nonlinear Marangoni waves in a two-layer film in the presence opf gravity, Physics of Fluids 24(3) (2012) Art. 032101.
34. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convection in multilayer systems, Applied Mathematical Science 179 (2012) 1-498.
35. Reddy P.D.S., D. Bandyopadhyay, A. Sharma, Electric-field-induced instabilities in thin liquid trilayers confined between paterned electrodes, Journal of Physical Chemistry C 116(43) (2012) 22847–22858.
36. Hens A., K. Mondal, D. Bandyopadhyay, Self-organized pathways to nanopatterns exploiting the instabilities of ultrathin confined bylayers, Physical Review E 87(2) (2013) Art. No. 022405.
37. Mikishev A.B., A.A. Nepomnyashchy, Instabilities in evaporating liquid layer with insoluble surfactant, Physics Fluids 25 (2013) Art. No. 054109.
38. Mondal K., P. Kumar, D. Bandyopadhyay, Electric field induced instabilities of thin leaky bilayers; pathways to unique morphologies and miniaturization, Journal of Chemical Physics 138(2) (2013) Art. No. 024705.
39. Abdalla A.A., Bilayer channel and free-surface thin film flow over topography, PhD Thesis, University of Leeds, 2014.
40. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Charge leakage mediated pattern miniaturization in the electric field induced instabilities of an elastic membrane, Industrial and Engineering Chemistry Researh 53(49) (2014) 18840−18851.
41. Hens A., K. Mondal, G. Biswas, D. Bandyopadhyay, Pathways from disordered to ordered nanostructures from defect guided dewetting of ultrathin bilayers, Journal of Colloid and Interface Science 465 (2016) 128–139.
42. Srivastava A., N. Tiwari, Effect of an insoluble surfactants on the dynamics of a thin liquid film flowing over a non-uniformnly heated substrate, European Physical Journal E 41(5) (2018) Art. No. 56.
43. Larsson C., S. Kumar, Nonuniformities in miscible two-layer two-component thin liquid films, Physical Review Fluids 6 (2021) Art. No. 034004.

065 K.D. Danov, V.N. Paunov, S.D. Stoyanov, N. Alleborn, H. Raszillier, F. Durst, Stability of evaporating two–layered liquid film in the presence of surfactant – II. Linear analysis, Chem. Eng. Sci. 53(15) (1998) 2823–2837. (**Citations: 47**)

1. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
2. Самонов В.Е., Математическое моделирование движения тонкого слоя жидкости под действием поверхностних сил, Дисертация на соискания научной степени кандидата физико математических наук, Ставропольский Государствении Университет, 2003.
3. Bandyopadhyay D., R. Gulabani, A. Sharma, Instability and dynamics of thin liquid bilayers, Ind. Eng. Chem. Res. 44(5) (2005) 1259–1272.

4. Fisher L.S., A.A. Golovin, Nonlinear stability analysis of a two–layer thin liquid film: dewetting and autophobic behaviour, J. Colloid Interface Sci. 291(2) (2005) 515–528.
5. Merkt D., A. Pototsky, M. Bestehorn, U. Thile, Long–wave theory of bounded two–layer films with a free liquid–liquid interface: short– and long–time evolution, Phys. Fluids 17(6) (2005) Art. No. 064104.
6. Pototsky A., M. Bestehorn, D. Merkt, U. Thile, Morphology changes in the evolution of liquid two–layer films, J. Chem. Phys. 122(22) (2005) Art. No. 224711.
7. Pototsky A., Pattern formation in thin one- and two-layer liquid film, PhD Thesis, Cottbus Technical University, 2005.
8. Bandyopadhyay D., A. Sharma, Nonlinear instabilities and pathways of rupture in thin liquid bilayers, J. Chem. Phys. 125(5) (2006) Art. No. 054711.
9. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convection in multylayer systems (2006) 1–314.
10. Nepomnyashchy A., A. Golovin, V. Volpert, A. Tikhomirova, Interfacial phenomena in evaporation of binary mixture, MMT 4 (2006) 47–56.
11. Bandyopadhyay D., A. Sharma, Electric field induced instabilities in thin confined bilayers, J. Colloid Interface Sci. 311(2) (2007) 595–608.
12. Fisher L.S., A.A. Golovin, Instability of a two–layer thin liquid film with surfactants: dewetting waves, J. Colloid Interface Sci. 307 (2007) 203–214.
13. Lenz R.D., S. Kumar, Competitive displacement of thin liquid films on chemically patterned substrates, J. Fluid Mech. 571 (2007) 33–57.
14. Thiele U., Structure formation in thin liquid films, In. CISM Courses and Lectures 490 (2007) 25–93.
15. Bandyopadhyay D., A. Sharma, C. Rastogi, Dewetting of the thin liquid bilayers on topographically patterned substrates: Formation of microchannel and microdot arrays, Langmuir 24(24) (2008) 14048–14048.
16. Bandyopadhyay D., A. Sharma, Dewetting pathways and morphology of unstable thin liquid bilayers, Journal of Physical Chemistry B 112(37) (2008) 11564–11572.
17. Bandyopadhyay D., A. Sharma, V. Shankar, Instabilities and pattern miniaturization in confined and free elastic–viscous bilayers, Journal of Chemical Physics 128(15) (2008) art. no. 154909.
18. Barrett J.W., L. El Alaoui, Finite element approximation of a two–layered liquid film in the presence of insoluble surfactants, Mathematical Modelling and Numerical Analysis 42(5) (2008) 749–775.
19. Gundabala V.R., C.–H. Lei, K. Ouzineb, O. Dupont, J.L. Kedie, A.F. Routh, Lateral surface nonuniformities in drying latex films, AIChE Journal 54(12) (2008) 3092–3105.
20. Heier J., J. Groenewold, S. Huber, F. Nuesch, R. Hany, Nanoscale structuring of semiconducting molecular blend films in the presence of mobile counterions, Langmuir 24(13) (2008) 7316–7322.
21. Bandyopadhyay D., A. Sharma, U. Thiele, D.S. Reddy, Electric–field–induced interfacial instabilities and morphologies of thin viscous and elastic bilayers, Langmuir 25(16) (2009) 9108–9118.
22. Craster R.V., O.K. Matar, Dynamics and stability of thin liquid films, Reviews of Modern Physics 81(3) (2009) 1131–1198.
23. Nepomnyashchy A., I. Simanovskii, Instabilities and Ordered Patterns in Nonisothermal Ultrathin Bilayer Fluid Films, Phys. Review Letters 102(16) (2009) Pap. No. 164501.
24. Bandyopadhyay D., A. Sharma, S.W. Joo, S.Z. Qian, Self–Organized Micropatterning of Thin Viscous Bilayers Under Microgravity, Microgravity Science and Technology 22(3) (2010) 273–282.
25. Bandyopadhyay D., A. Sharma, Self–organized microstructures in thin bilayers on chemically patterned substrates, J. of Physical Chemistry C 114(5) (2010) 2237–2247.
26. Nepomnyashchy A., I. Simanovskii, Instabilities of non–isothermic ultra–thin two–layer films, Journal of Physics: Conference Series 26 (2010) Pap. No. 012015.
27. Reddy P.D.S., D. Pandyopadhyay, A. Sharma, Self–organized ordered arrays of core–shell columns in viscous bilayers formed by spatially varying electric fields, Journal of Physical Chemistry C 114(49) (2010) 21020–21028.
28. Yiantsios S.G., B.G. Higgins, A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant, Physics Fluids 22(2) (2010) 1–12.
29. Ward M.H., Interfacial thin films rupture and self-similarity, Physics of Fluids 23(6) (2011) Pap. No. 062105.
30. Xu L., D. Bandyopadhyay, A. Sharma, S.W. Joo, Switching of interfacial instabilities from the liquid/air interface to the liquid/liquid interface in a polymer bilayer, Soft Matter 7(18) (2011) 8056–8066.
31. Xu L., D. Bandyopadhyay, T.F. Shi, L.J. An, A. Sharma, S.W. Joo, Deweting kinetics of thin polymer bilayers: role of under layer, Polymer 52(19) (2011) 4345–4354.
32. Bandyopadhyay D., P. Dinesh Sankar Reddy, A. Sharma, Electric field and van der Waals force induced instabilities in thin viscoelastic bilayers, Physics of Fluids 24(7) (2012) Art. 074106.

33. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Electric-field-induced interfacial instabilities of a soft elastic membrane confined between viscous layers, Physical Review E 86(4) (2012) Art. 041602.
34. Nepomnyashchy A., I. Simanovskii, Nonlinear Marangoni waves in a two-layer film in the presence opf gravity, Physics of Fluids 24(3) (2012) Art. 032101.
35. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convection in multilayer systems, Applied Mathematical Science 179 (2012) 1-498.
36. Reddy P.D.S., D. Bandyopadhyay, A. Sharma, Electric-field-induced instabilities in thin liquid trilayers confined between paterned electrodes, Journal of Physical Chemistry C 116(43) (2012) 22847−22858.
37. Hens A., K. Mondal, D. Bandyopadhyay, Self-organized pathways to nanopatterns exploiting the instabilities of ultrathin confined bylayers, Physical Review E 87(2) (2013) Art. No. 022405.
38. Mikishev A.B., A.A. Nepomnyashchy, Instabilities in evaporating liquid layer with insoluble surfactant, Physics Fluids 25 (2013) Art. No. 054109.
39. Mondal K., P. Kumar, D. Bandyopadhyay, Electric field induced instabilities of thin leaky bilayers; pathways to unique morphologies and miniaturization, Journal of Chemical Physics 138(2) (2013) Art. No. 024705.
40. Simanovskii I.B., A. Viviani, F. Dubois, J.-C. Legros, Nonlinear convective oscillations in two-layer systems with an interfacial heat release, Proceedings of the International Astronautical Congress, IAC, Vol. 1, (2013) 577−586.
41. Abdalla A.A., Bilayer channel and free-surface thin film flow over topography, PhD Thesis, University of Leeds, 2014.
42. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Charge leakage mediated pattern miniaturization in the electric field induced instabilities of an elastic membrane, Industrial and Engineering Chemistry Researh 53(49) (2014) 18840−18851.
43. Hens A., K. Mondal, G. Biswas, D. Bandyopadhyay, Pathways from disordered to ordered nanostructures from defect guided dewetting of ultrathin bilayers, Journal of Colloid and Interface Science 465 (2016) 128–139.
44. Sutton K.B., Surface nonuniformities in waterborne coatings due to evaporative mechanisms, MSc Thesis, University of Akron, 2016.
45. Nepomnyashchy A.A., I.B. Simanovskii, The influence of two-dimensional temperature modulation on nonlinear Marangoni waves in two-layer films, Jornal of Fluid Mechanics 846 (2018) 944–965.
46. Srivastava A., N. Tiwari, Effect of an insoluble surfactants on the dynamics of a thin liquid film flowing over a non-uniformnly heated substrate, European Physical Journal E 41(5) (2018) Art. No. 56.
47. Larsson C., S. Kumar, Nonuniformities in miscible two-layer two-component thin liquid films, Physical Review Fluids 6 (2021) Art. No. 034004.

064 K.D. Danov, V.N. Paunov, N. Alleborn, H. Raszillier, F. Durst, Stability of evaporating two–layered liquid film in the presence of surfactant – I. The equations of lubrication approximation, Chem. Eng. Sci. 53(15) (1998) 2809–2822. (**Citations: 72**)

1. Ray M.S., Equilibrium-staged separation, Separation Science and Technology 34(16) (1999) 3305−3321.
2. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
3. Wang X., Finite element study of a heated thin fluid layer including surfactant effect, PhD Thesis, University of Texas at Austin, 2002.
4. Самонов В.Е., Математическое моделирование движения тонкого слоя жидкости под действием поверхностних сил, Дисертация на соискания научной степени кандидата физико математических наук, Ставропольский Государствении Университет, 2003.
5. Nepomnyashchy A.A., I.B. Simanovskii, Influence of thermocapillary effect and interfacial heat release on convective oscillations in a two–layer system, Phys. Fluids 16(4) (2004) 1127–1139.
6. Pototsky A., M. Bestehorn, D. Merkt, U. Thiele, Alternative pathways of dewetting for a thin liquid two–layer film, Phys. Rev. E 70(2) (2004) Art. No. 025201.
7. Bandyopadhyay D., R. Gulabani, A. Sharma, Instability and dynamics of thin liquid bilayers, Ind. Eng. Chem. Res. 44(5) (2005) 1259–1272.
8. Fisher L.S., A.A. Golovin, Nonlinear stability analysis of a two–layer thin liquid film: dewetting and autophobic behaviour, J. Colloid Interface Sci. 291(2) (2005) 515–528.
9. Merkt D., A. Pototsky, M. Bestehorn, U. Thile, Long–wave theory of bounded two–layer films with a free liquid–liquid interface: short– and long–time evolution, Phys. Fluids 17(6) (2005) Art. No. 064104.
10. Pototsky A., M. Bestehorn, D. Merkt, U. Thile, Morphology changes in the evolution of liquid two–layer films, J. Chem. Phys. 122(22) (2005) Art. No. 224711.

11. Pototsky A., Pattern formation in thin one- and two-layer liquid film, PhD Thesis, Cottbus Technical University, 2005.
12. Bandyopadhyay D., A. Sharma, Nonlinear instabilities and pathways of rupture in thin liquid bilayers, J. Chem. Phys. 125(5) (2006) Art. No. 054711.
13. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convenction in multylayer systems (2006) 1–314.
14. Nepomnyashchy A., A. Golovin, V. Volpert, A. Tikhomirova, Interfacial phenomena in evaporation of binary mixture, MMT 4 (2006) 47–56.
15. Bandyopadhyay D., A. Sharma, Electric field induced instabilities in thin confined bilayers, J. Colloid Interface Sci. 311(2) (2007) 595–608.
16. Fisher L.S., A.A. Golovin, Instability of a two–layer thin liquid film with surfactants: dewetting waves, J. Colloid Interface Sci. 307 (2007) 203–214.
17. Lenz R.D., S. Kumar, Competitive displacement of thin liquid films on chemically patterned substrates, J. Fluid Mech. 571 (2007) 33–57.
18. Thiele U., S. Madruga, L. Frastia, Decomposition driven interface evolution for layers of binary mixtures. I. Model derivation and stratified base states, Physics of Fluids 19(12) (2007) Art. no. 122106.
19. Thiele U., Structure formation in thin liquid films, In. CISM Courses and Lectures 490 (2007) 25–93.
20. Bandyopadhyay D., A. Sharma, C. Rastogi, Dewetting of the thin liquid bilayers on topographically patterned substrates: Formation of microchannel and microdot arrays, Langmuir 24(24) (2008) 14048–14048.
21. Bandyopadhyay D., A. Sharma, Dewetting pathways and morphology of unstable thin liquid bilayers, Journal of Physical Chemistry B 112(37) (2008) 11564–11572.
22. Bandyopadhyay D., A. Sharma, V. Shankar, Instabilities and pattern miniaturization in confined and free elastic–viscous bilayers, Journal of Chemical Physics 128(15) (2008) art. no. 154909.
23. Heier J., J. Groenewold, S. Huber, F. Nuesch, R. Hany, Nanoscale structuring of semiconducting molecular blend films in the presence of mobile counterions, Langmuir 24(13) (2008) 7316–7322.
24. Bandyopadhyay D., A. Sharma, U. Thiele, D.S. Reddy, Electric–field–induced interfacial instabilities and morphologies of thin viscous and elastic bilayers, Langmuir 25(16) (2009) 9108–9118.
25. Craster R.V., O.K. Matar, Dynamics and stability of thin liquid films, Reviews of Modern Physics 81(3) (2009) 1131–1198.
26. Nepomnyashchy A., I. Simanovskii, Instabilities and Ordered Patterns in Nonisothermal Ultrathin Bilayer Fluid Films, Phys. Review Letters 102(16) (2009) Pap. No. 164501.
27. Bandyopadhyay D., A. Sharma, S.W. Joo, S.Z. Qian, Self–Organized Micropatterning of Thin Viscous Bilayers Under Microgravity, Microgravity Science and Technology 22(3) (2010) 273–282.
28. Bandyopadhyay D., A. Sharma, Self–organized microstructures in thin bilayers on chemically patterned substrates, J. of Physical Chemistry C 114(5) (2010) 2237–2247.
29. McIntyre A., L.N. Brush, Spin–coating of vertically stratified thin liquid films, J. Fluid Mechanics 647 (2010) 265–285.
30. Nepomnyashchy A., I. Simanovskii, Instabilities of non–isothermic ultra–thin two–layer films, Journal of Physics: Conference Series 26 (2010) Pap. No. 012015.
31. Reddy P.D.S., D. Pandyopadhyay, A. Sharma, Self–organized ordered arrays of core–shell columns in viscous bilayers formed by spatially varying electric fields, Journal of Physical Chemistry C 114(49) (2010) 21020–21028.
32. Yiantsios S.G., B.G. Higgins, A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant, Physics Fluids 22(2) (2010) 1–12.
33. Jachalski S., R. Huth, G. Kitavtsev, D. Peschka, B. Wagner, Stationary solution for two-layer lubrication equations, Weierstrass Institute fuer Angewandte Analysis und Stochastik, Berlin, 2011.
34. Ward M.H., Interfacial thin films rupture and self-similarity, Physics of Fluids 23(6) (2011) Pap. No. 062105.
35. Xu L., D. Bandyopadhyay, A. Sharma, S.W. Joo, Switching of interfacial instabilities from the liquid/air interface to the liquid/liquid interface in a polymer bilayer, Soft Matter 7(18) (2011) 8056–8066.
36. Xu L., D. Bandyopadhyay, T.F. Shi, L.J. An, A. Sharma, S.W. Joo, Deweting kinetics of thin polymer bilayers: role of under layer, Polymer 52(19) (2011) 4345–4354.
37. Bandyopadhyay D., P. Dinesh Sankar Reddy, A. Sharma, Electric field and van der Waals force induced instabilities in thin viscoelastic bilayers, Physics of Fluids 24(7) (2012) Art. 074106.
38. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Electric-field-induced interfacial instabilities of a soft elastic membrane confined between viscous layers, Physical Review E 86(4) (2012) Art. 041602.
39. Kaliadasis S., C. Ruyer-Quil, B. Scheid, M.G. Velarde, Falling Liquid Films, Applied Mathematical Sciences Vol. 176, 2012.

40. Nepomnyashchy A., I. Simanovskii, Nonlinear Marangoni waves in a two-layer film in the presence opf gravity, Physics of Fluids 24(3) (2012) Art. 032101.
41. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convection in multilayer systems, Applied Mathematical Science 179 (2012) 1-498.
42. Reddy P.D.S., D. Bandyopadhyay, A. Sharma, Electric-field-induced instabilities in thin liquid trilayers confined between paterned electrodes, Journal of Physical Chemistry C 116(43) (2012) 22847−22858.
43. Bommer S., Cartellier F., Jachalski S., D. Peschka, R. Seemann, B. Wagner, Droplets on liquids and their journey into equilibrium, European Physical Journal E 36(8) (2013) Art. No. 87.
44. Hens A., K. Mondal, D. Bandyopadhyay, Self-organized pathways to nanopatterns exploiting the instabilities of ultrathin confined bylayers, Physical Review E 87(2) (2013) Art. No. 022405.
45. Jachalski S., R. Huth, G. Kitavtsev, D. Peschka, B. Wagner, Stationary solutions of liquid two-layer thin-film model, SIAM Journal of Applied Mathematics 73 (2013) 1183−1202.
46. Mikishev A.B., A.A. Nepomnyashchy, Instabilities in evaporating liquid layer with insoluble surfactant, Physics Fluids 25 (2013) Art. No. 054109.
47. Mondal K., P. Kumar, D. Bandyopadhyay, Electric field induced instabilities of thin leaky bilayers; pathways to unique morphologies and miniaturization, Journal of Chemical Physics 138(2) (2013) Art. No. 024705.
48. Simanovskii I.B., The influence of the interfacial heat release on nonlinear convective oscillations in two-layer systems, Physics of Fluids 25 (2013) Art. No. 072106.
49. Abdalla A.A., Bilayer channel and free-surface thin film flow over topography, PhD Thesis, University of Leeds, 2014.
50. Dey M., D. Bandyopadhyay, A. Sharma, S. Qian, S.W. Joo, Charge leakage mediated pattern miniaturization in the electric field induced instabilities of an elastic membrane, Industrial and Engineering Chemistry Researh 53(49) (2014) 18840−18851.
51. Simanovskii I.B., A. Viviani, F. Dubois, J.-C. Legros, Influence of an interfacial heat release on nonlinear convective flows in a latteraly heated two-layer system, European Journal of Mechanics 48 (2014) 49−58.
52. Simanovskii I.B., A. Viviani, F. Dubois, J.-C. Legros, Nonlinear buoyant-thermocapillary waves in two-layer systems with an interfacial heat, Micrgravity Science and Technology 27 (2014) 11–26.
53. Simanovskii I.B., A. Viviani, F. Dubois, J.-C. Legros, The influence of an interfacial heat release on convective oscillations in two-layer systems with periodic boundary conditions, Proceedings of the International Austronautical Congress, IAC, 1 (2014) 523–531.
54. Huth R., S. Jachalski, G. Kitavtsev, D. Peschka, Gradient flow perspective on thin film bilayer flows, Journal of Engineering Mathematics 94(1) (2015) 43–61.
55. Srivastava A., N. Tiwari, Linear stability analysis of two-layered liquid film flowing over localy heated surface, CHEMCON2015, Chemical Engineering, 2015.
56. Xu X., U. Thiele, T. Qian, A variational approach to thin film hydrodynamics of binary mixtures, Journal of Physics Condensed Matter 27(8) (2015) Art. No. 085005.
57. Hens A., K. Mondal, G. Biswas, D. Bandyopadhyay, Pathways from disordered to ordered nanostructures from defect guided dewetting of ultrathin bilayers, Journal of Colloid and Interface Science 465 (2016) 128–139.
58. Simanovskii I.B., A. Nepomnyashchy, A. Viviani, F. Dubois, Nonlinear waves in two-layer systems with a temperature-dependent interfacial heat release, Microgravity Science and Technology 28(4) (2016) 381–393.
59. Simanovskii I.B., A. Viviani, F. Dubois, J.-C. Legros, Nonlinear traveling waves in a two-layer systems with heat release/consumption at the interface, Acta Astronautica 123 (2016) 137−144.
60. Kay E.D., S. Hibberd, H. Power, A multi-layer integral model for locally-heated thin film flow, Journal of Computational Physics 336 (2017) 51–68.
61. Nepomnyashshy A.A., I.B. Simanovskii, Novel criteria for the development of monotonic and oscillatory instabilities in a two-layer film, Physics of Fluids 29 (2017) Art. No. 092104.
62. Simanovskii I.B., A. Viviani, F. Dubois, Convective flow in a two-layer system with an interfacial heat release under the action of an imposed temperature gradient, International Journal of Thermal Sciences 113 (2017) 51–64.
63. Simanovskii I.B., A. Viviani, F. Dubois, Nonlinear dynamics of two-layer systems with a temperature-dependent heat release, International Journal of Thermal Sciences 119 (2017) 51−67.
64. Xu L., D, Bandyopadhyay. P.D.S. Reddy, A. Sharma, S.W. Joo, Giant slip induced anomalous dewetting of an ultrathin film on a visous sublayer, Scientific Reports 7 (2017) Art. No. 14776.
65. Nepomnyashchy A.A., I.B. Simanovskii, The influence of two-dimensional temperature modulation on nonlinear Marangoni waves in two-layer films, Jornal of Fluid Mechanics 846 (2018) 944–965.
66. Srivastava A., N. Tiwari, Effect of an insoluble surfactants on the dynamics of a thin liquid film flowing over a non-uniformnly heated substrate, European Physical Journal E 41(5) (2018) Art. No. 56.

67. Simanovskii I.B., A.A. Nepomnyashchy, A. Viviani, F. Dubois, The influence of a temperature-dependent interfacial heat releaseon nonlinear convective oscillations in a two-layer system, European Journal of Mechanics B 68 (2018) 85–99.
68. Simanovskii I.B., A. Viviani, F. Dubois, Nonlinear oscillatory flow in a two-layer system with a temperature-dependent heat release, Proceeding of the International Astronautical Congress October (2018) Art. No. 147415.
69. NepomnyashchyA., I. Simanovski, A. Vivianim F. Dubois, Multistabiliy in multilayer systems, Microgravity Science and Technology (2019) 1–12.
70. Simanovski I., NepomnyashchyA., A. Vivianim F. Dubois, The action of temporal modulation of an interfacial heat consumption on nonlinear Marangoni waves in the presence ofgravity, European Journal of Mechanics 84 (2020) 51–62.
71. NepomnyashchyA., I. Simanovski, Synchronization of Marangoni waves by temporal nodulation of interfacial heat consumption, Physical Review Fluids 5 (2020) Art. No. 094007.
72. Larsson C., S. Kumar, Nonuniformities in miscible two-layer two-component thin liquid films, Physical Review Fluids 6 (2021) Art. No. 034004.

063 R.G. Alargova, K.D. Danov, P.A. Kralchevsky, G. Broze, A. Mehreteab, Growth of gain rodlike micelles of ionic surfactant in the presence of Al^{3+} counterions, Langmuir 14(15) (1998) 4036–4039. (**Citations: 48**)

1. Rodriguez–Navarro C., E. Doehne, E. Sebastian, Influencing crystallization damage in porous materials through the use of surfactants: experimental results using sodium dodecyl sulfate and cetyldimethylbenzylammonium chloride, Langmuir 16 (2000) 947–954.
2. Bujan M., M. Sikiric, N. Filipovic–Vincekovic, N. Vdovic, N. Garti, H. Furedi–Milhofer, Effect of anionic surfactants on crystal growth of calcium hydrogen phosphate dihydrate, Langmuir 17(21) (2001) 6461–6470.
3. Huang Y.–X., R.–C. Tan, Y.–L. Li, Y.–Q. Yang, L. Yu, Q.–C. He, Effect of salts on the formation of C8–lecithin micelles in aqueous solution, J. Colloid Interface Sci. 236(1) (2001) 28–34.
4. Srinivasan V., D. Blankschtein, Effect of counterion binding on micellar solution behavior: 1. Molecular–thermodynamic theory of micellization of ionic surfactants, Langmuir 19(23) (2003) 9932–9945.
5. Srinivasan V., D. Blankschtein, Effect of counterion binding on micellar solution behavior: 2. Prediction of micellar solution properties of ionic surfactant–electrolyte systems, Langmuir 19(23) (2003) 9946–9961.
6. Angelescu D.B., H. Caldararu, A. Khan, Some observations on the effect of the trivalent counterion Al^{3+} to the self–assembly of sodium dodecyl sulphate in water, Colloids Surfaces A 245(1–3) (2004) 49–60.
7. Burger C., J. Hao, Q. Ying, H. Isobe, M. Sawamura, E. Nakamura, B. Chu, Multilayer vesicles and vesicle clusters formed by the fullerene–based surfactant C60(CH3)5K, J. Colloid Interface Sci. 275(2) (2004) 632–641.
8. Vasilescu M., D. Angelescu, H. Caldararu, M. Almgren, A. Khan, Fluorescence study on the size and shape of sodium dodecyl sulphate–aluminium salt micelles, Colloids Surfaces A 235(1–3) (2004) 57–64.
9. Goldsipe A., D. Blankschtein, Modelling counterion binding in ionic–nonionic and ionic–zwitterionic binary surfactant mixtures, Langmuir 21(22) (2005) 9850–9865.
10. Strnadova H., L. Kvitek, Micellar systems – factorst influencing the critical micelle concentration, AUPO Chemica 2005, 7–23.
11. Nan Y.Q., L.S. Hao, H.L. Liu, Y. Hu, The influence of sodium phosphate on extraction phenomena of aqueous two–phase cationic/anionic surfactant systems, J. Dispersion Sci. Technology 27(3) (2006) 419–425.
12. Borse M., V.K. Aswal, P.S. Goyal, S. Devi, Effect of bivalent malate on aggregation behaviour of butanediyl–1,4–bis(dodecyl hydroxyethyl methyl ammonium bromide) surfactant, Colloids Surfaces A 305(1–3) (2007) 10–16.
13. Denkova P.S., L.V. Lokeren, I. Verbruggen, R. Willem, Self–aggregation and supramolecular structure investigations of Triton X–100 and SDP2S by NOESY and diffusion ordered NMR spectroscopy, J. Phys. Chem. B 112 (2008) 10935–10941.
14. Denkova P.S., L. van Lokeren, R. Willem, Mixed micelles of Triton X–100, Sodium Dodecyl Dioxyethylene Sulfate, and Synperonic L61 investigated by NOESY and diffusion ordered NMR spectroscopy, J. Phys. Chem. B 113(19) (2009) 6703–6709.
15. Talens–Alesson F., The role of ionic pair association on micellization and counterion binding in ionic micelles, Journal of Physical Chemistry B 113(29) (2009) 9779–9785.

16. Pereira R.F.P., A.J.M. Valente, H.D. Burrows, Thermodynamic analysis of the interaction between trivalent metal ions and sodium dodecyl sulfate: An electrical conductance study, Journal of Molecular Liquids 156 (2010) 109−114.
17. Petkov JT, IM Tucker, J. Penfold, RK Thomas, DN Petsev, CC Dong, S. Golding, I. Grilo, The impact of multivalent counterions, Al^{3+}, on the surface adsorption and self–assembly of the anionic surfactant alkyloxyethylene sulfate and anionic/nonionic surfactant mixtures, Langmuir 26(22) (2010) 16699−16709.
18. Sultan, Abdullah S. Molecular Simulation Study of Diverting Materials Used in Matrix Acidizing. Doctoral dissertation, Texas A&M University, 2010.
19. Nachbar L.S., Effects of formulation conditions on micellar intertactions and solution rheology in multicomponent micellar systems, PhD Thesis, Department of Material Science and Enginnering, MIT, 2011.
20. Zhou Y., X. Fan, Rheological properties of sodium dodecyl sulphate-based supramolecules hydrogel induced by aluminum ion, Advanced Materials Researh 233−235 (2011) 1966−1971.
21. Dey J., Studies on the micellization behavior of surfactants in selected solvent media, PhD Thesis, North-Western Hill University, 2012.
22. Dey J., U. Thapa, K. Ismail, Aggregation and adsorption of sodium dioctylsulfosuccinate in aqueous ammonium chloride solution: Role of mixed counterions, J. Colloid Interface Sci. 367(1) (2012) 305–310.
23. Fathi H., J.P. Kelli, V.R. Vasquez, O.A. Graeve, Ionic concentration effects on reverse micelle size and stability: implications for the synthesis of nanoparticles, Langmuir 28(25) (2012) 9267–9274.
24. Pereira R.F.G., Interacções entre iões metálicos e surfactantes aniónicos, PhD Thesis, Deraptamento de Fisika, FTCUC, 2012.
25. Chen M., C. Dong, J. Penfold, R.K. Thomas, T.J.P. Smith, A. Perfumo, R. Marchant, I.M. Banat, P. Stevenson, A. Parry, I. Tucker, I. Grillo, Influence of calcium ions on rhamnolipid and rhamnolipid/anionic surfactant adsorption and self-assembly, Langmuir 29(12) (2013) 3912–3923.
26. Tian H., D. Wang, W. Xu, A. Song, J. Hao, Balance of coordination and hydrophobic interaction in the formation of bilayers in metal-coordinated surfactant mixtures, Langmuir 29(11) (2013) 3538–3545.
27. Xu H., J. Penfold, R.K. Thomas, J.T. Petkov, I. Tucker, I. Grillo, A. Terry, Impact of $AlCl_3$ on the self-assembly of anionic surfactant sodium polyethylene glycol monoalkyl ether in aqueous solution, Langmuir 29(44) (2013) 13359–13366.
28. Xu H., J. Penfold, R.K. Thomas, J.T. Petkov, I. Tucker, Webster J.P.R., The formation of surface multilayers at the air-water interface from sodium polyethylene glycol monoalkyl ether sulfate/$AlCl_3$ solutions: The role of the size of the polyethylene oxide group, Langmuir 29(37) (2013) 11656–11666.
29. Xu H., J. Penfold, R.K. Thomas, J.T. Petkov, I. Tucker, Webster J.P.R., The formation of surface multilayers at the air-water interface from sodium diethylene glycol monoalkyl ether sulfate/$AlCl_3$ solutions: The role of the alkyl chain length, Langmuir 29(41) (2013) 12744–12753.
30. Kashyap S., M. Jayakannan, Thermo-responsive and shape transformable amphiphilic scaffolds for loading and delivering anticancer drugs, Journal of Material Chemistry B 2(26) (2014) 4142–4152.
31. Nguyen K.T., A.V. Nguyen, In situ investigation of halide co-ion effects on SDS adsorption at air-water interface, Soft Matter 10(34) (2014) 6558–6563.
32. Xu H., J. Penfold, R.K. Thomas, J.T. Petkov, I. Tucker, J.R.P. Webster, I. Grillo, A. Terry, Ion specific effects in trivalent counterion induced surface and solution self-assembly of the anionic surfactant sodium polyethylene glycol monododecyl ether sulfate, Langmuir 30(16) (2014) 4694–4702.
33. Borse S., T. Patil, Effect of nature of counterion on physicochemical properties of cetyl dimethyl ethanol ammonium bromide surfactants, Chemical Science Review and Letters 4(13) (2015) Art. No. CS16204603.
34. Thomas R., J. Penfold, Multilayering of surfactant systems at the air-dilute aqueous solution interface, Langmuir 31(27) (2015) 7440–7456.
35. Liu Z., M Cao, Y. Chen, Y. Fan, D. Wang, H. Xu, Y. Wang, Interactions of divalent and trivalent metal counterions with anionic sulfonate gemini surfactant and induced aggregate transitions in aqueous solution, Jouirnal of Physical Chemistry B 120(17) (2016) 4102–4113.
36. Chen Z., J. Penfold, P. Li, J. Doutch, Y. Fan, Y. Wang, Effect of length and hydrophlicity/hydrophobicity of diamines on self-assembly of diamine/SDS gemini-like surfactants, Soft Matter 13(47) (2017) 8980–8989.
37. Santos M.S., E.C. Biscaia, F.W. Tavares, Effects of electrostatic correlation on micelle formation, Colloids and Surfaces A 533 (2017) 169–178.
38. Anderson R.L., D.J. Bray, A. Del Regno, M.A. Seaton, A.S. Ferrante, P.B. Warren, Micelle formation in alkyl sulfate surfactants using dissipative particle dynamics, Journal of Chemical Theory and Computations 14(5) (2018) 2633–2643.
39. Patra N., D. Ray, V.K. Aswal, S. Ghosh, Exploring physicochemical interactions of different salts with sodium n-dodecanoil sarcosinate in aqueous solutions, ACS Omega 3(8) (2018) 9256–9266.

40. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 39(1) (2018) 92–99.
41. Xu H., R.K. Thomas, J. Penfold, P.X. Li, K. Ma, R.J.L. Welbourn, D.W. Roberts, J.T. Petkov, The impact of electrolyte on the adsorption of the anionic surfactant methyl ester sulfonate at the air-solution interface: surface multilayer formation, Journal of Colloid and Interface Science 512 (2018) 231–238.
42. Xu H., P.X. Li, K. Ma, R.J.L. Welbourn, J. Doutch, J. Penfold, R.K. Thomas, D.W. Roberts, J.T. Petkov, K.L. Choo, S.Y. Khoo, Adsorption and self-assembly in methyl ester sulfonate surfactants, their eutectic mixtures and the role of electrolyte, Journal of Colloid and Interface Science 516 (2018) 456–465.
43. Li P., J. Penfold, R.K. Thomas, H. Xu, Multilayers formed by polyelectrolyte-surfactant and related mixtures at air/water interface, Advances in Colloid and Interface Science 269 (2019) 43–86.
44. Wang Z., P. Li, K. Ma, Y. Chen, M. Campana, J. Penfold, R.K. Thomas, H. Xu, J.T. Petkov, Z. Yan, Impact of molecular structure, headgroup and alkyl chain geometry, on the adsorption of the anionic ester sulfonate surfactants at the air-solution interface, in the presence and absence of electrolyte, Journal of Colloid and Interface Science 544 (2019) 293–302.
45. Xu H., P.X. Li, K. Ma, R.J.L. Welbourn, J. Penfold, R.K. Thomas, D.W. Roberts, J.T. Petkov, The role of competitive counterion adsorption on the electrolyte induced surface ordering in methyl ester sulfonate surfactants at air-water interface, Journal of Colloid and Interface Science 533 (2019) 154–160.
46. Wang Z., P. Li, K. Ma, Y. Chen, J. Penfold, R.K. Thomas, D.W. Roberts, H. Xu, J.T. Petkov, Z. Yan, D.A. Venero, The structure of alkyl ester sulfonate surfactant micelles: The impact of different valence electrolytes and surfactant structure on micelle growth, Journal of Colloid and Interface Science 557 (2019) 125–134.
47. Li P., Z. Wang, K. Ma, Y. Chen, Z. Yan, J. Panfold, R.K. Thomas, M. Campana, J.R.P. Webster, A. Washington, Multivalent electrolyte induced surface ordering and solution self-assembly in anionic surfactant mixtures: Sodium dodecyl sulfate and sodium diethylene glycol monododecyl sulfate, Journal of Colloid and Interface Science 565 (2020) 567–581.
48. Z. Wang, P. Li, K. Ma, Y. Chen, Z. Yan, J. Panfold, R.K. Thomas, M. Campana, .R.P. Webster, Z. Li, J.H. Neil, H. Xu, J.T. Petkov, D.W. Roberts, α-Sulfo alkyl ester surfactants: Impact of changing the alkyl chain length on the adsorption, mixing properties and response to electrolytes of the tetradecanoate, Journal of Colloid and Interface Science 586 (2021) 876–890.

062 T.D. Gurkov, K.D. Danov, N. Alleborn, H. Raszillier, F. Durst, Role of surface forces in the stability of evaporating thin liquid films that contain surfactant micelles, J. Colloid Interface Sci. 198 (1998) 224–240. (**Citations: 11)**

1. Lin C.K., C.C. Hwang, G.J. Huang, W.Y. Uen, Nonlinear spreading dynamics of a localized soluble surfactant on a thin liquid film, J. Phys. Soc. Jpn 71(11) (2002) 2708–2714.
2. Fike G., S. Banerjee, Role of base surface on the development of adhesive films, Research Forum on Recycling, Proceedings (2004) pp. 27–33.
3. Melendez E., R. Reyes, Correlation of surface and interfacial energies on enhanced pool boiling heat transfer, Proceedings of the ASME Heat Transfer/Fluids Engineering Summer Conference 3 (2004) 703–709.
4. Melendez E., R. Reyes, Synergism of binary mixtures wettability and cover porosity on enhanced pool boiling heat transfer, American Society of Mechanical Engineers, Heat Transfer Division, 375(2) (2004) 577–582.
5. Reynoso G., P. Martinez, R. Reyes, Interfacial energy and micelle conditions of ternary mixtures for improved heat transfer, Proceedings of the ASME Summer Heat Transfer Conference 2 (2005) Art. No. HT2005–72571, 189–194.
6. Fingas M., L. Ka'aihue, Oil spill dispersion stability and oil re–surfacing, Environment Canada Arctic and Marine Oil Spill Program Technical Seminar (AMOP) Proceedings 2 (2006) 729–819.
7. Melendez E., R. Reyes, Interfacial energies of aqueous mixtures and porous coverings for enhancing pool boiling heat transfer, Int. J. Thermal Sci. 45(8) (2006) 796–803.
8. Mazzoco R.R., Efficacy of microscopic interconnected channels and surfactants on enhancing pool boiling heat transfer, Proceedings of the 5th International Conference on Nanochannels, Microchannels and Minichannels, ICNMM2007 (2007) 1123–1132.
9. Manjooran N.J., Van Der Waals Interactions Based Rheological Analysis for Electrosterically Stabilized Nano-Sized Alpha Silicon carbide-Lactobacillus Gg Dispersions, PhD Thesis, Material Science and Engineering, Virginia Polytechnic Institute, 2007.
10. Hanamertani A.S., R.M. Pilus, N.A. Manan, M.I.A. Mutalib, The use of ionic liquids as additive tgo stabilize surfactant foam for mobility control application, Journal of Petroleum Science and Engineering 167 (2018) 192–201.

11. Fingas M., Surface chemistry and oil-in-water emulsion stability, Proceedings – 42 AMOP Technical Seminar on Environmental Contamination and Response, 2019, 940–1023.

061 K.D. Danov, N. Alleborn, H. Raszillier, F. Durst, The stability of evaporating thin liquid films in the presence of surfactant. I. Lubrication approximation and linear analysis, Phys. Fluids 10(1) (1998) 131–143. (**Citations: 42**)

1. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
2. Butt H.J., V. Franz, Rupture of molecular thin films observed in atomic force microscopy. I. Theory, Phys Rev. E 66(3) (2002) Art. No. 031601.
3. Grigoriev R.O., Control of evaporatively driven instabilities of thin liquid films, Phys. Fluids 14(6) (2002) 1895–1909.
4. Lin C.K., C.C. Hwang, G.J. Huang, W.Y. Uen, Nonlinear spreading dynamics of a localized soluble surfactant on a thin liquid film, J. Phys. Soc. Jpn 71(11) (2002) 2708–2714.
5. Armendariz J., M. Matalon, Marangoni instability at a contaminated liquid–vapour interface of a burning thin film, Phys. Fluids 15(5) (2003) 1122–1130.
6. Nonomura M., R. Kobayashi, Y. Nishiura, M. Shimomura, Periodic precipitation during droplet evaporation on a substrate, J. Phys. Soc. Jpn 72(10) (2003) 2468–2471.
7. Cermelli P., E. Fried, M.E. Gurtin, Transport relations for surface integrals arising in the formulation of balance laws for evolving fluid interfaces, J. Fluid Mech. 544 (2005) 339–351.
8. Fried E., A.Q. Shen, M.E. Gurtin, Theory for solvent, momentum, and energy transfer between a surfactant solution and a vapor atmosphere, Phys. Review E 73(6) (2006) Art. No. 061601.
9. Gundabala V.R., A.F. Routh, Thinning of drying latex films due to surfactant, J. Colloid Interface Sci. 303(1) (2006) 306–314.
10. Haas D., Predicting the uniformity of two-component, spin deposited films, PhD Thesis, University of Arisona, 2006.
11. Lee C.H., Y.F. Lu, A.Q. Shen, Evaporation induced self assembly and rheology change during sol–gel coating, Phys. Fluids 18(5) (2006) Art. No. 052105.
12. Lubarsky G.V., M.R. Davidson, R.H. Bradley, Particle–surface capillary forces with disjoining pressure, Phys. Chem. Chem. Phys. 8(21) (2006) 2525–2530.
13. Nepomnyashchy A., A. Golovin, V. Volpert, A. Tikhomirova, Interfacial phenomena in evaporation of binary mixture, MMT 4 (2006) 47–56.
14. Nepomnyashchy A., I. Simanovskii, J.C. Legros, Interfacial convection in multylayer systems (2006) 1–314.
15. Anderson D.M., P. Cermelli, E. Fried, M.E. Gurtin, G.B. Mcfadden, General dynamical sharp–interface conditions for phase transformations in viscous heat–conducting fluids, J. Fluid Mech. 581 (2007) 323–370.
16. Shklyaev O.E., E. Fired, Stability of an evaporating thin liquid film, J. Fluid Mech. 584 (2007) 157–183.
17. Craster R.V., O.K. Matar, Dynamics and stability of thin liquid films, Reviews of Modern Physics 81(3) (2009) 1131–1198.
18. Zheng R., Effect of disjoining pressure on the drainage and relaxation dynamics of liquid films with mobile interfaces, Journal of Colloid and Interface Science 336(1) (2009) 273–284.
19. Yiantsios S.G., B.G. Higgins, A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant, Physics Fluids 22(2) (2010) 1–12.
20. Kalliadasis S., C. Ruyer-Quil, B. Scheid, M.G. Velarde, Falling Liquid Films, Applied Mathematical Science, Vol. 172, 2012.
21. Li X., S.I. Karakashev, G.M. Evans, P. Stevenson, Effect of environmental humidity on static foam stability, Langmuir 28(9) (2012) 4060–4068.
22. Lu Y., Evaporation in a Binary Liquid Faling Film, Thesis, Worcester Polytechnic Institute, 2013.
23. Mikishev A.B., A.A. Nepomnyashchy, Instabilities in evaporating liquid layer with insoluble surfactant, Physics Fluids 25 (2013) Art. No. 054109.
24. Simanovskii I.B., The influence of the interfacial heat release on nonlinear convective oscillations in two-layer systems, Physics of Fluids 25(7) (2013) Art. No. 072106.
25. Akbarzadeh A.M., A. Moosavi, A. Moghimi Kheirabadi, Dewetting of evaporating thin films over nanometer-scale topographies, Physical Review E 90(1) (2014) Art. No. 012409.
26. Kabov O., D. Zaitsev, Y. Kabova, V. Cheverda, Evaporation, dynamics, and crysis phenomena in thin liquid films sheared by gas in a narrow channel, IHTC 2014, doi: 10.1615/IHTC15.flm.009537.

27. Kabova Y., V.V. Kuznetsov,O. Kabov, T. Gambarian-Roisman, P. Stephan, Evaporation of a thin viscous liquid film sheared by gas in a microchannel, International Journal of Heat and Mass Transfer 68 (2014) 527–541.
28. Mikishev A.B., A.A. Nepomnyashchy, The influence of evaporation on long-wavelength instabilities in liquid layer with insoluble surfactant, Fluid Dynamics Research 46(4) (2014) Art. No. 041420.
29. Gonzales J.C., Heat Transfer and Convective Structure of Evaporating Films under Pressure-Modulated Conditions, PhD Thesis, University of Washington, Aeronautics and Astronautics, 2015.
30. Kabov O., V.V. Kuznetsov, Y.O. Kabova, Evaporation, Dynamics, and Interface Deformations in Thin Liquid Films Sheared by Gas in Microchanel, in: Encyclopedia of Two-Phase Heat Transfer and Flow, Vol. 1, 2015.
31. Mikishev A.B., A.Y. Rednikov, P. Colinet, Impact of an insoluble surfactant on the thresholds of evaporative Bénard-Marangoni instability under air, The European Physical Journal E 40 (2017) Art. No, 90.
32. Novev J.K., N. Panchev, R. Slavchov, Evaporating foam films of pure liquid stabilized via the thermal Marangoni effect, Chemical Engineering Science 171 (2017) 520–533.
33. Hanamertani A.S., R.M. Pilus, N.A. Manan, M.I.A. Mutalib, The use of ionic liquids as additive tgo stabilize surfactant foam for mobility control application, Journal of Petroleum Science and Engineering 167 (2018) 192–201.
34. Nepomnyashchy A.A., I.B. Simanovskii, The influence of two-dimensional temperature modulation on nonlinear Marangoni waves in two-layer films, Jornal of Fluid Mechanics 846 (2018) 944–965.
35. Srivastava A., N. Tiwari, Effect of an insoluble surfactants on the dynamics of a thin liquid film flowing over a non-uniformnly heated substrate, European Physical Journal E 41(5) (2018) Art. No. 56.
36. Chatterjee S., K. Pal Singh, S. Bhattarcharjee, Wetting hysteresis of atomically heterogeneous systems created by low energy inert gas ion irradiation on metal surfaces: Liquid thin film coverage in the receding mode and surface interaction energies, Applied Surface Science 470 (2019) 773–782.
37. Shantharama, S.K. Kalpathy, Interplay of substrate wettability and surfactant distributions in controlling interfacial instabilities, European Journal of Mechanics B 78 (2019) 203–215.
38. Yulianti K., A. Gunawan, E. Soewono, L. Mucharam, The effects of surfactant on the evolution of a thin film under a moving liquid drop, Indonesian Journal of Science and Technology 5 (2020) 75–85.
39. Wang X., Y. Li, J.A. Malen, A.J.H. McGaughey, Assessing the impact of disjoining pressure on thin-film evaporation with atomistic simulation and kinetic theory, Applied Physical Letters 116 (2020) Art. No. 213701.
40. Mohamed H., L. Biancofiore, Linear stability analysis of ecaporating falling liquid films, International Journal of Multiphase Flow 130 (2020) Art. No. 103354.
41. Nazareth R.K., G. Karapetsas, K. Safiane, O.K. Matar, P. Valluri, Stability of slowly evaporating thin liquid films of binary mixtures, Physical Review Fluids 5 (2020) Art. No. 104007.
42. Chatterjee S., J.S. Murallidharan, A. Agrawal, R. Bhardwaj, Designing antiviral surfaces to suppress the spread of COVID-19, Physcis of Fluids 33 (2021) Art. No. 052101.

060 P.A. Kralchevsky, K.D. Danov, N.D. Denkov, Chemical physics of colloid systems and interfaces, in: K.S. Birdi (Ed.), Handbook of Surface and Colloid Chemistry, CRC Press, New York, 1997, pp. 333–494. (**Citations: 84**)

1. Cardoso A.H., C.A.P. Leite, M.E.D. Zaniquelli, F. Galembeck, Easy polymer latex self–assembly and colloidal crystal formation: the case of poly[styrene–co–(2–hydroxyethyl methacrylate)], Colloids Surfaces A 144(1–3) (1998) 207–217.
2. Basheva E.S., T.D. Gurkov, I.B. Ivanov, G. Bantchev, B. Campbell, R. Borwankar, Size dependence of the stability of emulsion drops pressed against a large interface, Langmuir 15(20) (1999) 6764–6769.
3. Dimitrova T., F.–L. Calderon, Forces between emulsion droplets stabilized with Tween 20 and proteins, Langmuir 15(26) (1999) 8813–8821.
4. Zapryanov Z., S., Tabakova, Dynamics of Bubbles, Drops and Rigid Particles, Kluwer Academic Publishers, Dordrecht, 1999.
5. Chevrier V.F., A.W. Cramb, X–ray fluoroscopy observations of bubble formation and separation at a metal–slag interface, Metallurgical Materials Transactions B 31(3) (2000) 537–540.
6. Dimitrova T.D., F. Leal–Calderon, Colloid forces in model food–type emulsions, Progress Colloid Polymer Science 115(1) (2000) 156–160.
7. Kessler J.O., G.D. Burnett, K.E. Remick, Mutual Dynamics of Swimming Microorganisms and Their Fluid Habitat, Lecture Notes in Physics, Volume 542, Springer, 2000, p. 409.
8. Misra P., V. Chevrier, S. Sridhar, A.W. Cramb, In situ observations of inclusions att the (Mn,Si) –killed steel/$CaO–Al_2O_3$ interface, Metalurgical Materials Transactions B 31(5) (2000) 1135–1139.

9. Petsev D.N., B.R. Thomas, S.–T. Yau, K.G. Vekilov, Interactions and aggregation of apoferritin molecules in solution: effects of added electrolytes, Biophysical J. 78 (2000) 2060–2069.
10. Zhang J., O. Ostrovski, K. Suzuki, Effect of temperature on cementite formation by reaction of iron ore with H_2–CH_4–Ar gas, Metallurgical Materials Transactions B 31(5) (2000) 1139–1142.
11. Dimitrova T.D., F.–L. Calderon, T.D. Gurkov, B. Campbell, Disjoining pressure vs. thickness isotherms of thin emulsion films stabilized by proteins, Langmuir 17 (2001) 8069–8077.
12. Dukhin S.S., O. Saether, J. Sjoblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, Ch. 4, pp. 71–93.
13. Hunter R.J., Foundations of Colloid Science (2nd Edition), Oxford University Press, Oxford, UK, 2001, p. 155.
14. Hunter R.J., Foundations of Colloid Science (2nd Edition), Oxford University Press, Oxford, UK, 2001, p. 257.
15. Mang T., W. Dresel (Eds.), Lubricants and Lubrication, Wiley, New York, 2001.
16. Sarma T.K., A. Chattopadhyay, Visible spectroscopic observation of controlled fluid flow up along a soap bubble film from a pool of solution, J. Phys. Chem. B 105 (2001) 12503–12507.
17. Wang J., A.J. Bard, Direct atomic force microscopic determination of surface charge at the gold/electrolyte interface – the inadequacy of classical GCS theory in describing the double–layer charge distribution, J. Phys. Chem. B 105(22) (2001) 5217–5222.
18. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
19. Ambrosone L., R. Angelico, G. Cinelli, The role of water in the oxidation process of extra virgin olive oils, J. American Oil Chem. Society 79(6) (2002) 577–582.
20. Duclairoir U., E. Nakache, Polymer nanoparticle characterization in aqueous suspensions, Int. J. Polymer Analysis and Characterization 7(4) (2002) 284–313.
21. Ghosh P., V.A. Juvekar, Analysis of the drop rest phenomenon, Trans. Inst. Chem. Eng. A 80 (2002) 715–728.
22. Gu Y.G., D.Q. Li, Deposition of spherical particles onto cylindrical solid surfaces: I. Numerical simulations, J. Colloid Interface Sci. 248(2) (2002) 315–328.
23. Gurkov T.D., E.S. Basheva, Hydrodynamic behavior and stability of approaching deformable drops, in: A.T. Hubbart (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
24. Hadjiiski A., S. Tcholakova, I.B. Ivanov, T.D. Gurkov, E.F. Leonard, Gentle film trapping technique with application to drop entry measurements, Langmuir 18 (2002) 127–138.
25. Petsev D., Mechanisms od emulsion flocculatioin, in: A.T. Hubbart (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
26. Wan J., T.K. Tokunaga, Partitioning of clay colloids at air–water Interfaces, J. Colloid Interface Sci. 247(1) (2002) 54–61.
27. Bartels T., W. Bock, J. Braun, C. Busch, W. Buss, W. Dresel, C. Freiler, Lubricants and lubrication, in: Ullmann’s Encyclopedia of Industrial Chemistry, 2003.
28. Bitea C., C. Walther, J.I. Kim, H. Geckeis, T. Rabung, F/J. Scherbaum. D.G. Cacuci, Time–resolved observation of ZrO_2–colloid agglomeration, Colloids Surfaces A 215(1–3) (2003) 55–66.
29. Cordelair J., P. Greil, Application of the method of images on electrostatic phenomena in aqueous Al_2O_3 and ZrO_2 suspensions, J. Colloid Interface Sci. 265 (2003) 359–371.
30. Lansalot M., A. Elaissari, O. Mondan–Mouval, in: A. Elaissari (Ed.), Colloidal Polymers, Marcel Dekker, New York, 2003, Ch. 14, pp. 381–418.
31. Saether O., J. Sjoblom, S.S. Dukhin, Droplet flocullation and coalescence in dilute oil–in–water emulsions, in: S. Friberg, K. Larsson, J. Sjoblom (Eds.), Food Emulsions, Fourth Edition, (Food Science and Technology), 2003, Ch. 5, p. 217.
32. Song J.H., W.–S. Kim, D.W. Lee, Comparison of retention behaviour of various polystirene latex particles in gold colloids on different channel walls in flow field–flow fractionation, J. Liquid Chromatography and Related Technol. 26(18) (2003) 3003–3035.
33. Cao G., Nanostructures and Nanomaterials: Synthesis, Properties and Applications, Imperial College Press, London, 2004, p. 315.
34. Dimitrova T.D., F. Leal–Calderon, T.D. Gurkov, B. Campbell, Surface forces in model oil–in–water emulsions stabilized by proteins, Adv. Colloid Interface Sci. 108 (2004) 73–86.
35. Glomm W.R., Preparation and Characterization of Nanosized Structures with Applications in Bioscience and Materials, PhD Thesis, Department of Chemical Engineering, Norwegian University of Science and Technology, Trondheim, 2004.

36. Khin C.C., Microstructure and rheology of polymer-surfactant solutions, MSc Thesis, Department of Chemical and Biomolecular Engineering, National University, Singapore, 2004.
37. Molina–Bolivar J.A., J. Aguiar, J.M. Peula–Garcia, C.C. Ruiz, Surface activity, micelle formation, and growth of n–octyl–β–D–thioglucopyranoside in aqueous solutions at different temperatures, J. Phys. Chem. B 108(34) (2004) 12813–12820.
38. Petsev D.N., Theory of emulsion flocculation, in: D.N. Petsev (Ed.), Emulsions: Structure, Stability and Interactions, Elsevier, London, 2004, p. 349.
39. Chevrier V., A.W. Cramb, Observation and measurement of bubble separation at liquid steel–slag interfaces, Scandinavian Journal of Metallurgy 34(2) (2005) 89–99.
40. Glomm W.R., Functionalized gold nanoparticles for applications in bionanotechnology, J. Dispersion Sci. Technology 26(3) (2005) 389–414.
41. Gurkov T.D., D. Dimitrova, K.G. Marinova, C. Bilke–Crause, C. Gerber, I.B. Ivanov, Ionic surfactants on fluid interfaces: determination of the adsorption; role of the salt and the type of the hydrophobic phase, Colloids Surfaces A 261(1–3) (2005) 29–38.
42. Schramm L.L., Emulsions, Foams, and Suspensions: Fundamentals and Applications, Wiley–VCH, New York, 2005, p. 410.
43. Veyret R., T. Delair, C. Pichot, A. Elaissari, Amino–containing magnetic nanoemulsions: elaboration and nucleic acid extraction, J. Magnetism Magnetic Materials 295(2) (2005) 155–163.
44. Abe M., K. Kamogawa, Surfactant-free emulsions, in: Encyclopedia in Surface and Colloid Science 2006, 6092–6107.
45. Cho H.–R., Chemistry of Tetravalent Plutonium and Zirconium: Hydrolysis, Solubility, Colloid Formation and Redox Reactions, PhD Thesis, Naturwissenschaftlich–Mathematischen Gesamtfakultät Der Ruprecht–Karls–Universität Heidelberg, 2006.
46. Molina–Bolivar J.A., J.M. Hierrezuelo, C.C. Ruiz, Effect of NaCl on the self–aggregation of *n*–octyl β–D–thioglucopyranoside in aqueous medium, J. Phys. Chem. B 110(24) (2006) 12089–12095.
47. Sosnowski T., Efekty dynamiczne w układach ciecz-gaz z aktywną powierzchnią międzyfazową, Prace Wydzialu Inzynierii Chemicznej 30(2) (2006) 3–141.
48. Walther C., S. Buchner, M. Filella, V. Chanudet, Probing particle size distributions in natural surface waters from 15 nm to 2 μm by a combination of LIBD and single–particle counting, J. Colloid Interface Sci. 301(2) (2006) 532–537.
49. Zetterlund P.B., M. Okubo, Effects of Laplace pressure on propagation and termination in aqueous heterogeneous free radical polymerization, Macromolecular Theory and Simulations 15(1) (2006) 40–45.
50. Giguene G., X.X. Zhu, Synthesis and aggregation properties of anionic star–shaped polymers with cholic acid cores and polyacrylate arms, J. Polymer Sci. A: Polymer Chemistry 45(17) (2007) 4173–4178.
51. Kankaanpää, Timo, CFD Procedure for Studying Dispersion Flows and Design Optimization of the Solvent Extraction Settler, Doctoral Thesis, Dept. Materials Sci. Engineering, Helsinki University of Technology, Helsinki, Finland, 2007.
52. Oh J., Fabrication of silver nanoparticles by solution phase method and physical characterization of their arrays, PhD Thesis, Wright State University, 2007.
53. Delos A., C. Valther, T. Schafer, S. Buchner, Size dispersion and colloid mediated radionuclide an a synthetic porous media, J. Colloid Interface Sci. 324 (2008) 212–215.
54. Jia Z., R.D.K. Misra**,** Self–assembled magnetic nanostructures, Materials Techniology 23(2) (2008) 66–80.
55. Brenner T., Aggregation behavior of cod muscule proteins, PhD Thesis, Department of Chemistry, Faculty of Physical Sciences, University of Iceland, Reykjavík, 2009.
56. Mouaziz H., R. Veyret, A. Theretz, F. Ginot, A. Elaissari, Aminodextran containing magnetite nanoparticles for molecular biology applications: preparation and evaluation, J. Biomedical Nanotechnology 5(2) (2009) 172–181.
57. Mouaziz H., S. Braconnot, F. Ginot, A. Elaissari, Elaboration of hydrophylic aminodextran containing submicron magnetic particles, Colloid Polymer Sci. 287(3) (2009) 287–297.
58. Baker B.A., Emplying double–stranded DNA probes on colloidal substrates for competitive hybridization events, PhD Thesis, Georgia Institute of Technology, 2010.
59. Haist M., Zur Rheologie und den physikalischen Wechselwirkungen bei Zementsuspensionen, KIT Scientific Publishing, 2010.
60. Lee E., H.K. Shon, J. Cho, Biofouling characteristics using flow field–flow fractionation: Effect of bacteria and membrane properties, Bioresource Technology 101 (2010) 1487–1493.
61. Stocco A., D. Carriere, M. Cottat, D. Langevin, Interfacial behavior of cationic surfactants, Langmuir 26(13) (2010) 10663–10669.

62. Li X., H. Tian, Y. Ding, X. Li, Fabrication of high-aspect-ratio microstructures using dielectrophoresis-electrocapillary force-driven UV-imprinting, Journal of Micromechanics and Microengineering 21(6) (2011) Art. No. 065010.
63. Wang W., Z. Li, J. Li, Y. Wu, Oriented immobilization of penicillin G acylase on the epoxydized megnetic hydroxyl particles by phenyl acetic acid, Advanced Materials Research 550–553 (2012) 1345–1351.
64. Abdul-Fattach A.M., R. Oeschger, H. Roehl, I.B. Dauphin, M. Worgull, G. Kallmeyer, H.-C. Mahler, Investigating factors leading to fogging of glass vials in lyophilized drug products, European Journal of Pharmaceutical and Biopharmaceutical 85(2) (2013) 314–326.
65. Gurkov T., B. Nenova, E. Kostova, W. Gaschler, Interfacial rheology of viscoelastic surfactant-polymer layers, in: Colloid and Interface Chemistry for Nanotechnology, 2013, 351–367.
66. May S., A. Fahr, Self-assembled delivery vehicles for poorly water-soluble drugs: Basic theoretical considerations and modeling concepts, in: Drug delivery Strategies for Poorly Water-Soluble Drugs, 2013, Ch. 1.
67. Vitasari D., P. Grassia, P. Martin, Surfactant transport onto a foam lamella, Chemical Engineerigng Science 102 (2013) 405–423.
68. Zhang Y., A. Martin, P. Grassia, Prediction of thickener performance with aggregate densification, Chemical Engineering Science 101 (2013) 346–358.
69. Dos Santos V., N.P. da Silveira, C.P. Bergmann, In-situ evaluation of particle size distribution of ZrO2 nanoparticles obtained by sol-gel, Powder Technology 267 (2014) 392–397.
70. Dresel W., Lubricating greases, in: Encyclopedia of Lubricants and Lubrication, 2014, 1076–1079.
71. Fiel L.A., R.V. Contry, J.F. Bica, F. Figueiro, A.M.O. Battastini, S.S. Gueterres, A.R. Pohlmann, Labeling the oily core of nanocapsules and lipid-core nanocapsules with a triglyceride conjugated to a fluorescent dye as a strategy to particle tracking in biological studies, Nanoscale Research Letters 9 (2014) 233.
72. Lam K.F., Diffuse interface models of soluble surfactants in two-phase fluid flows. PhD Thesis, University of Warwick, 2014.
73. Mischler W., Systematic measurements of bubble induced gas exxchange for trace gases with low solubilities, PhD Thesis, Ruperto-Carola University of Heidelberg, Germany, 2014.
74. Muller R., Laboratory methods for testing lubricants, in: Encyclopedia of Labricants and Lubrication, 2014, 1025–1029.
75. Schramm L.L., Emulsions, Foams, Suspensions, and Aerosols: Microscience and Application, 2014, 1–492.
76. Zhou L., L. Wei, X. Du, Y. Yang, P. Jing, B. Wang, Effects of nanoparticle behaviors and interfacial characteristics on subcooled nucleate pool boiling over microwere, Experimental Thermal and Fluid Science 57 (2014) 310–316.
77. Kassuga T.D., J.P. Rothstein, Buckling of particle-laden interfaces, J. Colloid Interface Science 448 (2015) 287–296.
78. Kaptay G., Partial surface tension of components of a solution, Langmuir 31(21) (2015) 5796–5804.
79. Karakashev S., S. Smoukov, Fast estimation of the equilibrium adsorption constants of ionic surfactants with account for ion-specific effects, Colloids Surfaces A 467 (2015) 143–148.
80. Vespini V., S. Coppola,, M. Todino, M. Paturzo, V. Bianco, S. Grilli, P. Ferraro, Forward electrohydrodynamic inkjet printing of optical microlenses on microfludix devices, Lab on a Cip 16(2) (2016) 326–333.
81. Vitasari D., P. Grassia, P. Martin, Surfactant transport onto a foam film in the presence of surface viscous stress, Applied Mathematical Modeling 40(3) (2016) 1941–1958.
82. Wakwaya A., Wettability in chalk, effect of initial water saturation on the adsorption of polar oil component, Master Thesis, Faculty of Science and Technology, University of Stavanger, 2016.
83. Javadian S., J. Kakemam, Intermicellar interactions in surfactant solutions: A review study, Journal of Molecular Liquids 242 (2017) 115–129.
84. Medronho B., A. Filipe, C. Costa, A. Romano, B. Lindman, H. Edlund, M. Norgren, Microrheology of novel cellulose stabilized oil-in-water emulsions, Journal of Colloid and Interface Science 531 (2018) 225–232.

059 O.D. Velev, K.D. Danov, I.B. Ivanov, Stability of emulsions under static and dynamic conditions, J. Disp. Sci. Technol. 18(6–7) (1997) 625–645. (**Citations: 12**)

1. Semenova M.G., Proteins as functional components in colloidal foods, Curr. Opin. Colloid Interface Sci. 3(6) (1998) 627–632.
2. Saidshazilch, Effect of interfacial characteristics on phase inversion, PhD Thesis, Dalhausie University, Daltech, 1999.

3. Cui C.J., S.P. Schwendeman, Surface entrapment of polylysine in biodegradable poly(DL–Lactide–co–glycolide) microparticles, Macromolecules 34(24) (2001) 8426–8433.
4. Djuve J., X. Yang, I.J. Fjellanger, et al., Chemical destabilization of crude oil based emulsions and asphaltene stabilized emulsions, Colloid Polym. Sci. 279(3) (2001) 232–239.
5. El–Ali M.S., Performance characteristic of a novel liquid–liquid contactor, PhD Thesis, Dalhouse University, 2001.
6. Gurkov T., E. Basheva, Hydrodynamic behaviour and stability of approaching deformable drops, in: Encyclopedia in Surface and Colloid Science, Marcel Dekker, 2002, Ch. B6.
7. Ikeda N., R. Krustev, H.J. Muller, Thermodynamic consideration on single oil in water emulsion film stabilized by cationic surfactant, Adv. Colloid Interface Sci. 108–109 (2004) 273–286.
8. Van Aken G.A., Coalescence mechanisms in protein-stabilized emuslsions, in: Food Emulsions, Marcel Dekker, 2004, Ch. 8.
9. Friberg S.E., Some emulsion features, Journal of Dispersion Science and Technology 28(8) (2007) 1299–1308.
10. Semenova M.G., Thermodynamic analysis if the impact of molecular interactions on the functionality of fod biopolymers in solution and in colloid systems, Food Hydrocolloids 21(1) (2007) 23–45.
11. Ramstad T., A. Hansen, P.E. Oren, Flux–dependent percolation transition in immiscible two–phase flows in porous media, Phys. Review E 79(3) (2009) Pap. No, 036310.
12. Sun G., M. Liu, X. Zhou, L. Hong, T. Ngai, Influence of asymmetric ratio of amphiphilic diblock copolymers on one-step formation and stability of multiple emulsions, Colloids Surfaces A 454 (2014) 16–22.

058 K. Velikov, C. Dietrich, A. Hadjiski, K. Danov, B. Pouligny, Motion of a massive microsphere bound to a spherical vesicle, Europhysics Lett. 40(4) (1997) 405–410. (**Citations: 22**)

1. Langevin D., Dynamics of surfactant layers, Curr. Opin. Colloid Interface Sci. 3(6) (1998) 600–607.
2. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
3. Helfer E., S. Harlepp, L. Bourdieu, J. Robert, F.C. MacKintosh, D. Chatenay, Viscoelastic properties of actin–coated membranes, Phys. Rev. E 63(2) (2001) 1–13.
4. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 9.
5. Lee S.J., J.S. Keiper, Giant vesicles and microchemical vessels, in: Reaction and Synthesis in Surfactant Systems, Marcel Dekker, 2001, Ch. 7.
6. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
7. Rutenberg A.D., M. Grant, Curved tails in polymerization-based bacterial mobility, Physical Review E 64 (2001) 7.
8. Casner A., Déformations, manipulations et instabilités d'interfaces liquides induites par la pression de radiation d'une onde laser, PhD Thesis, Université Sciences et Technologies–Bordeaux I, 2002.
9. D'Onofrio T., Manipulating and measuring the physical properties and local structure of biomembranes, PhD Thesis, Pensilvania State University, 2003.
10. D'Onofrio T.G., A. Hatzor, A.E. Counterman, J.J. Heetderks, M.J. Sandel, P.S. Weiss, Controlling and measurements of interdependence of local properties in biomembranes, Langmuir 19(5) (2003) 1618–1623.
11. Karlsson R., Fabrication and dynamic control of surfactant-membrane networks with applications in nanofluidics and membrane-based transport, PhD Thesis, Goteborg University, 2003.
12. Puff N., M. Angelova, Lipid vesicles – development and application for studding membrane heterogeneity and interactions, Advances in Planar Lipid Bilayers and Liposomes, vol. 5 (2006) 173–228.
13. Angelova M.I., Liposome electroformation, Giant Vesicles: Perspectives in Supramolecular Chemistry 6 (2007) 26–36.
14. Den Otter W.K., S.A. Shkulipa, Intermonolayer friction and surface shear viscosity of lipid bilayer membranes, Biophysical J. 93(2) (2007) 423–433.
15. Faivre M., Gouttes, vésicules et globules rouges: Deformabilité et comportement sous écoulement, PhD Thesis, Université Joseph–Fourier–Grenoble I, 2007.
16. Pozrikidis C., Particle motion near and inside an interface, J. Fluid Mech. 575 (2007) 333–357.
17. Tajparast M., M.I. Glavinovich, Forces and stresses acting on fusion pore membrane during secretion, Biochimica et Biophysica Acta – Biomembranes 1788(5) (2009) 1009–1023.
18. Melzak K.A., S. Moreno–Flores, A.E. Lopez, J.L. Toca–Herrera, Why size and speed matter: Frequency dependence and the mechanical properties of biomolecules, Soft Matter 7(2) (2011) 332–342.

19. Herold C., Diffusion and Conformational Dynamics of Semiflexible Macromolecules and Supramolecular Assemblies on Lipid Membranes, Ph. D. Thesis, Technical University, Dresden, 2012.
20. Srivastav A., Interaction et diffusion hydrodynamiques dans une suspension de v´esicules et globules rouges, PhD Thesis, Universitet Grenoble, 2012.
21. Pozrikidis C., Capillary attraction of floating rods, Engineering Analysis with Boundary Elements 36(5) (2012) 836–844.
22. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.

057 T.S. Horozov, P.A. Kralchevsky, K.D. Danov, I.B. Ivanov, Interfacial rheology and kinetics of adsorption from surfactant solutions, J. Disp. Sci. Technol. 18(6–7) (1997) 593–607. (**Citations: 9**)

1. Petkov J.T., T.D. Gurkov, B.E. Campbell, R.P. Borwankar, Dilatational and shear elasticity of gel–like protein layers on air/water interface, Langmuir 16(8) (2000) 3703–3711.
2. Murray B.S., Interfacial rheology of food emulsifiers and proteins, Curr. Opin. Colloid Interface Sci. 7(5–6) (2002) 253–476.
3. Patist A., J.R. Kanicky, P.K. Shukla, D.O. Shah, Importance of micellar kinetics in relation to technological processes, J. Colloid Interface Sci. 245(1) (2002) 1–15.
4. Daniel R.C., J.C. Berg, A simplified method for predicting the dynamic surface tension of concentrated surfactant solutions, J. Colloid Interface Sci. 260(1) (2003) 244–249.
5. Führling C., Interactions between Proteins, Sugars and Surfactants – Dynamic Studies on Adsorption at Interfaces, PhD Thesis, Naturwissenschaftlichen Fakultäten, Universität Erlangen–Nürnberg, Germany, 2004.
6. Gajardo W.A.K., Effect of frother on bubble coalescence, break-up, and initial rise velocity, PhD Thesis, McGill university, Montreal, Canada, 2008.
7. Kracht W., J.A. Finch, Using sound to study bubble coalescence, J. Colloid Interface Sci. 332(1) (2009) 237–245.
8. Gurkov T., B. Nenova, E. Kostova, W. Gaschler, Interfacial rheology of viscoelastic surfactant-polymer layers, in: Colloid and Interface Chemistry for Nanotechnology, Taylor & Francis (2014) 351–367.
9. Qian S., Characterization of surfactant and protein foams using a polarized light scattering technique, PhD Thesis, The University of Auckland, 2015.

056 E.S. Basheva, K.D. Danov, P.A. Kralchevsky, Experimental study of particle structuring in vertical stratifying films from latex suspensions, Langmuir 13 (1997) 4342–4348. (**Citations: 22**)

1. Bergeron V., Measurement of forces and structure between fluid interfaces, Curr. Opin. Colloid Interface Sci. 4(4) (1999) 249–255.
2. Wasan D., A. Nikolov, Structural transitions in colloidal suspensions in confined films, ACS Symposium Series 736 (1999) 40–53.
3. McNamee C.E., Y. Tsujii, H. Ohshima, M. Matsumoto, Interaction forces between two hard surfaces in particle–containing aqueous systems, Langmuir 20 (2004) 1953–1962.
4. McNamee C.E., Y. Tsujii, H. Ohshima, M. Matsumoto, Interaction forces between two silica surfaces in an apolar solvent containing an anionic surfactant, Langmuir 20 (2004) 1791–1798.
5. Murray B.S., R. Ettelaie, Foam stability: proteins and nanoparticles, Curr. Opin. Colloid Interface Sci. 9(5) (2004) 314–320.
6. Tamura T., Y. Kaneko, Foam film stabilitty in aqueous systems, in: S. Hartland (Ed.), Surface and Interfacial Tension: Measurement, Theory, and Applications, Marcel Dekker, New York, 2004, p. 145.
7. Blawzdziewicz J., E. Wajnryb, Phase equilibria in stratified thin liquid films stabilized by colloidal particles, Europhys. Lett. 71(2) (2005) 269–275.
8. Blawzdziewicz J., E. Wajnryb, Equilibrium and nonequilibrium thermodynamics of particle–stabilized thin liquid films, Journal of Chemical Physics 129(19) (2008) art. no. 194509.
9. Golemanov K., N. Denkov, S. Tcholakova, M. Vethamuthu, A. Lips, Surfactant mixtures for control of bubble surface mobility in foam studies, Langmuir 24(18) (2008) 9956–9961.
10. Hunter T.N., R.J. Pugh, G.V. Franks, G.J. Jameson, The role of particles in stabilising foams and emulsions, Advances in Colloid and Interface Science 137 (2) (2008) 57–81.
11. Vijayaraghavan K., A. Nikolov, D. Wasan, D. Henderson, Foamability of liquid particle suspensions: A modeling study, Industrial and Engineering Chemistry Research 48(17) (2009) 8180–8185.
12. Nikolov A., K. Kondiparty, D. Wasan, Nanoparticle self–structuring in a nanofluid film spreading on a solid surface, Langmuir 26(11) (2010) 7665–7670.

13. Tan S.N., Y. Yang, R.G. Horn, Thinning of a vertical free–draining aqueous film incorporating colloidal particles, Langmuir 26(1) (2010) 63–73.
14. Zeng Y., S. Grandner, C.L.P. Oliveira, A.F. Thunemann, O. Paris, J.S. Pedersen, S.H.L. Klapp, R. von Klitzing, Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement, Soft Matter 7(22) (2011) 10899–10909.
15. Zeng Y., Structuring of nanoparticle suspensions confined between two smouth solid surfaces, Colloidal Dispersions Under Slit-Pore Confinement, Springer Thesis, 2012, 37–62.
16. Zeng Y., S. Schon, R. Von Klitzing, Colloidal particles in thin liquid films, Colloidal Process Engineering (2015) 3–20.
17. Lee J., D. Wasan, A. Nikolov, Stratification of a foam film formed from a nonioinic micellar solution: experiments and modelling, Langmuir 32(19) (2016) 4837–4847.
18. Cho H.K., A.D. Nikolov, D.T. Wasan, Estimation of structural film viscosity based on the bubble rise method in a nanofluid, Journal of Colloid and Interface Science 516 (2018) 312–316.
19. Feng H., Neutron scattering study on large length scale sample structures, PhD Thesis, Department of Physicsm Indiana University, 2018.
20. Ludwig M., M.U. Witt, R. von Klitzing, Briging the gap between two different scaling laws for structuring of liquids under geometrical confinement, Advances in Colloid and Interface Science 269 (2019) 270–276.
21. Yilixitiati S., E. Wojcik, Y. Zhang, V. Sharma, Spinodal stratification in ultrathin micellar foam films, Molecular Systems Design amd Engineering 4(3) (2019) 626–638.
22. Kaewpetch T., J.F. Gilchrist, Chemical vs. mechanical microstructure evolution in drying colloid and polymer coatings, Scientific Reports 10 (2020) Art. No. 10264.

055 R.G. Alargova, K.D. Danov, J.T. Petkov, P.A. Kralchevsky, G. Broze, A. Mehreteab, Sphere–to–rod transition in the shape of anionic surfactant micelles determined by surface tension measurements, Langmuir 13(21) (1997) 5544–5551. (**Citations: 44**)

1. Diggs N.Z., Theoretical and experimental investigations of electrostatic effects associated with ionic surfactant micelles, PhD Thesis, MIT, 1998.
2. Zoeller N., D. Blankschtein, Experimental determination of micelle shape and size in aqueous solutions of dodecyl ethoxy sulfates, Langmuir 14(25) (1998) 7155–7165.
3. Rodriguez–Navarro C., E. Doehne, E. Sebastian, Influencing crystallization damage in porous materials through the use of surfactants: experimental results using sodium dodecyl sulfate and cetyldimethylbenzylammonium chloride, Langmuir 16 (2000) 947–954.
4. Mezzasalma S.A., Polymer chain size from geodesic path and geometrical Bolyai–Lobachevskij partition function. Application to swelling of macromolecules in solution and micellar growth, J. Stat. Phys. 102(5–6) (2001) 1331–1341.
5. Noskov B.A., D.O. Grigoriev, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 401.
6. Svenson S., The role of steric constraints and intermolecular interactions in the formation of surfactant phases, in: J. Texter (Ed.), Reactions and Synthesis in Surfactant Systems, Marcel Dekker, New York, 2001, p. 711.
7. Lee Y.–C., H.–S. Liu, Y.–Y. Wang, M.–W. Yang, S.–Y. Lin, Effects of temperature and concentration on the micellization of nonionic polyethoxylated surfactants, J. Chin. Inst. Chem. Eng. 33(5) (2002) 439–451.
8. Vermathen M., P. Stiles, S.J. Bachofer, U. Simonis, Investigations of monofluoro–substituted benzoates at the tetradecyltrimethylammonium micellar interface, Langmuir 18(4) (2002) 1030–1042.
9. Ganguli D., M. Ganguli, Inorganic Particle Synthesis via Macro and Microemulsions: A Micrometer to Nanometer Landscape, Kluwer/Plenum, New York, 2003.
10. Srinivasan V., D. Blankschtein, Effect of counterion binding on micellar solution behavior: 2. Prediction of micellar solution properties of ionic surfactant–electrolyte systems, Langmuir 19(23) (2003) 9946–9961.
11. Iwaura R., H. Minamikawa, T. Shimizu, Sodium chloride–induced self–assembly of microfibers from nanofiber components, J. Colloid Interface Sci. 277(2) (2004) 299–303.
12. Molina–Bolivar J.A., J. Aguiar, J.M. Peula–Garcia, C.C. Ruiz, Surface activity, micelle formation, and growth of n–octyl–β–D–thioglucopyranoside in aqueous solutions at different temperatures, J. Phys. Chem. B 108(34) (2004) 12813–12820.
13. Svenson S., Self–assembly and self–organization: important processes, but can we predict them?, J. Dispersion Sci. Technology 25(2) (2004) 101–118.
14. Vasilescu M., D. Angelescu, H. Caldararu, M. Almgren, A. Khan, Fluorescence study on the size and shape of sodium dodecyl sulphate–aluminium salt micelles, Colloids Surfaces A 235(1–3) (2004) 57–64.

15. Aleiner G.S., O.G. Us'yarov, Adsorption of ions in the diffuse part of an electrical double layer at ionic surfactant solution–air interfaces in the presence of background electrolytes, Colloid Journal 70(3) (2008) 263–267.
16. Giribabu K., M.L.N. Reddy, P. Ghosh, Coalescence of air bubbles in surfactant solutions: Role of salts containing mono–, di–, and trivalent ions, Chemical Engineering Communications 195 (3) (2008) 336–351.
17. Hodgdon T., Cryogenic Transmition Electron Microscopy as a Probe of Microstructural Transition in Complex Fluids, PhD Thesis, University of Delaware, 2008.
18. Shen L., H. Wang, G. Guerin, C. Wu, I. Manners, M.A. Winnik, A micellar sphere–to–cylinder transition of poly(ferrocenyldimethylsilane–b–2–vinylpyridine) in a selective solvent driven by crystallization, Macromolecules 41(12) (2008) 4380–4389.
19. Hassan P.A., T.K. Hodgdon, M. Sagasaki, G. Fritz–Popovski, E.W. Kaler, Phase behavior and microstructure evolution in aqueous mixtures of cetyltrimethylammonium bromide and sodium dodecyl tri–oxyethylene sulfate, Comptes Rendus Chimie 12(1–2) (2009) 18–29.
20. Crans D.C., S. Schoeberl, E. Gaidamauskas, B. Baruah, D.A. Roess, Antidiabetic vanadium compound and membrane interfaces: Interface-facilitated metal complex hydrolysis, Journal of Biological Inorganic Chemistry 16(6) (2011) 961–972.
21. Parekh P., D. Varade, J. Parikh, P. Bahadur, Anionic-cationic mixed surfactant systems: Micellar interaction of sodium dodecyl trioxyethylene sulfate with cationic gemini surfactants, Colloid and Surfaces A 385(1–3) (2011) 111–120.
22. Qiao Y., Y. Lin, Y. Wang, Z. Li, J. Huang, Metal–driven viscoelastic wormlike micelle in anionic/zwitterionic surfactant systems and template–directed synthesis of dendritic silver nanostructures, Langmuir 27(5) (2011) 1718–1723.
23. Dey J., Studies on the micellization behavior of surfactants in selected solvent media, PhD Thesis, North-Eastern Hill University, 2012.
24. Dey J., U. Thapa, K. Ismail, Aggregation and adsorption of sodium dioctylsulfosuccinate in aqueous ammonium chloride solution: Role of mixed counterions, J. Colloid Interface Sci. 367(1) (2012) 305–310.
25. Jiao L.-F., T. Kunugi, Li F.-C., The rheological characteristics of surfactant viscoelastic solutions at low shear rate, Zero-Carbon Energy, Kyoto, 2012, 261–268.
26. Petzetakis N., D. Walker, A.P. Dove, R.K. O'Reilly, Cristallization-driven sphere-to-rod transition of poly(lactide)-b-poly(acrylic acid) diblock copolymers: mechanism and kinetics, Soft Matter 8(28) (2012) 3408–3414.
27. Yu X., W.-B. Zhang, K. Yue, X. Li, H. Liu, Y. Xin, C.-L. Wang, C. Wesdemiotis, S.Z.D. Cheng, Giant molecular shape amphiphiles based on polystyrene-hydrophilic [60]fullerene conjugates: Click synthesis, solution self-assembly, and phase behavior, Journal of American Chemical Society 134(18) (2012) 7780–7787.
28. Pahalagedara M.N., L.R. Pahalagedara, C.-H. Kuo, S. Dharmarathna, S.L. Suib, Ordered mesoporous mixed metal oxides: Remarkable effect of pore size on catalytic activity, Langmuir 30(27) (2014) 8228–8237.
29. Valente A.J.M., J.J. Lopez Cascales, A.J. Fernandez Romero, Thermodynamic analysis of unimer-micelle and sphere-to-rod micellar transitions of aqueous solutions of sodium dodecylbenzenesulfonate, Journal of Chemical Thermodynaimcs 77 (2014) 54–62.
30. Wang R., Y. Li, Wetting ability in aqueous mixtures of amine oxide with anionic and nonionic surfactants, Tenside, Surfactants, Detergents, 51(3) (2014) 224–228.
31. Wang R., Y. Li, Y. Li, Interaction between cationic and anionic surfactants: Detergency and foaming properties of mixed systems, J. Surfactants and Detergents, 17(5) (2014) 881–888.
32. Endo C., Ito Y., Akabane C., Kaneko Y., Sakai H., Spontaneous emulsification of triolein induced by mixed micellar solutions of sodium polyoxyethylene alkyl ether sulfate and dodecyldimethyl amine oxide, Journal of Oleo Science 64(9) (2015) 953–962.
33. Patel K., P. Jyoti Sharma, M. De, Comparative parametric study on development of porous structure of aluminium oxide in presence of anionic and kationic surfactants, Ceramics International 41(3) (2015) 3578–3588.
34. Khatun M.R., M.M. Islam, F.R. Rima, M.N. Islam, Apparent molar volume, adiabatic compressibility, and critical micelle concentration of flucloxacillin sodium in aqueous NaCl solutions at different temperatures, Journal of Chemical and Engineering Data 61(1) (2016) 102–113.
35. Wang S., K. Zhao, Dielectric analysis for the spherical and rodlike micelle aggregates formed from a gemini surfactant: Driving forces of micellization and stability of micelles, Langmuir 32(30) (2016) 7530–7540.
36. Chen Z., J. Penfold, P. Li, J. Doutch, Y. Fan, Y. Wang, Effects of length and hydrophilicity/hydrophobicity of diamines on self-assembly of diamine/SDS gemini-like surfactants, Soft Matter 13(47) (2017) 8980–8989.

37. Santos M.S., E.C. Bascaia, F.W. Tavares, Effects of electrostatic corelations on micelle formation, Colloids and Surfaces A 533 (2017) 169–178.
38. Sultana N., Role of ammonium ion on the aggregation and adsorption properties of sodium dodecylsulfate, Journal of Dispersion Science and Technology 39(1) (2018) 92–99.
39. Thomas R.K., J. Penfold, Thermodynamics of air-water interface of mixtures of surfactants with polyelectrolytes, oligoelectrolytes, and multivalent metal electrolytes, Journal of Physical Chemistry B 122(51) (2018) 12411–12427.
40. Li P., J. Penfold, R.K. Thomas, H. Xu, Multilayers formed by polyelectrolyte-surfactant and related mixtures at air/water interface, Advances in Colloid and Interface Science 269 (2019) 43–86.
41. Risuleo G., C La Mesa, Nanoparticles and molecular delivery systems for nutraceuticals bioavailability, Nutraceuticals in Veterinary Medicine, Gupta R., Srivastava A., Lall R. (eds), Springer, Cham, (2019) 737–747.
42. Li P., Z. Wang, K. Ma, Y. Chen, Z. Yan, J. Panfold, R.K. Thomas, M. Campana, J.R.P. Webster, A. Washington, Multivalent electrolyte induced surface ordering and solution self-assembly in anionic surfactant mixtures: Sodium dodecyl sulfate and sodium diethylene glycol monododecyl sulfate, Journal of Colloid and Interface Science 565 (2020) 567–581.
43. Li J., H. Wang, R. Zhu, H. Chang, G. Xiong, J. Wu, H. Feng, P. Li, Economical synthesis of high surface area γ–Al_2O_3 for the adsorption of organic pollutant from wastewater, American Journal of Chemical Engineering 8 (2020) 76–89.
44. Khatun R., Islam M., Islam D., Molecular interactions and aggregation behavior of cloxacillin sodium in water and aqueous NaCl solutions through volumetric and ultrasonic sound velocity studies at 298.15 K, Oriental Journal of Chemistry 36 (2020) 863–870.

052 K.D. Danov, I.B. Ivanov, Critical film thickness and coalescence in emulsions, in: Second World Congress on Emulsions, Proceedings, Paris, France, 1997, No. 2–3–154. (**Citations: 7**)

1. Basheva E.S., T.D. Gurkov, I.B. Ivanov, G. Bantchev, B. Campbell, R. Borwankar, Size dependence of the stability of emulsion drops pressed against a large interface, Langmuir 15(20) (1999) 6764–6769.
2. Dimov N.K., A.H. Ahmed, R.G. Alargova, P.A. Kralchevsky, P. Durbut, G. Broze, A. Mehreteab, Deposition of oil drops on a glass substrate in relation to the process of washing, J. Colloid Interface Sci. 224(1) (2000) 116–125.
3. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
4. Gurkov T.D., E.S. Basheva, Hydrodynamic behaviour and stability of approaching deformable drops, in: Encyclopedia in of Surface and Colloid Science, Marcel Decker, New York, 2002.
5. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
6. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
7. Petkova B., S. Tcholakova, M. Chenkova, K. Golemanov, D. Throley, S. Stoyanov, Foamiblity of aqueous solutions: Role of surfactant type and concentration, Advances in Colloid and Interface Sicence 276 (2020) Art. No. 102084.

051 K.D. Danov, P.M. Vlahovska, P.A. Kralchevsky, Effect of micelles and electrolyte on the adsorption kinetics, in: Second World Congress on Emulsions, Proceedings, Paris, France, 1997, No. 2–2–153. (**Citations: 1**)

1. Simaillaud B., M. Maze, B. Brule, J.–J. Potti, Bulletin des Laboratoires des Ponts et Chaussees 234 (septembre–octobre 2001), ref. 4371, pp. 3–15.

050 K.D. Danov, I.B. Ivanov, P.A. Kralchevsky, Interfacial rheology and emulsion stability, in: Second World Congress on Emulsions, Proceedings, Paris, France 1997, No. 2–2–152. (**Citations: 1**)

1. Angle C.W., in: J. Sjoblom (Ed.), Encyclopedic Hadbook of Emulsion Technology, Marcel Dekker, New York, 2001, Ch. 24.

049 K.D. Danov, T.D. Gurkov, T. Dimitrova, I.B. Ivanov, D. Smith, Hydrodynamic theory for spontaneously growing dimple in emulsion films with mass transfer, J. Colloid Interface Sci. 188 (1997) 313–324. (**Citations: 34**)

1. Binks B.P., in: B.P. Bonks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998.
2. Kabalnov A., Thermodynamic and theoretical aspects of emulsions and their stability, Curr. Opin. Colloid Interface Sci. 3(3) (1998) 270–275.
3. Bergeron V., Measurement of forces and structure between fluid interfaces, Curr. Opin. Colloid Interface Sci. 4(4) (1999) 249–255.
4. Chesters A.K., I.B. Bazhlekov, Effect of insoluble surfactants on drainage and rupture of a film between drops interacting under a constant force, J. Colloid Interface Sci. 230(2) (2000) 229–243.
5. Leshansky A.M., On the influence of mass transfer on coalescence of bubbles, Int. J. Multiphase Flow 27(1) (2001) 189–196.
6. Ren Z., Z.-R. Chen, J.H. Fan, Progress of srudy on surfactant and emulsion stability, China Surfactant Detergent and Cosmetics 6 (2001) 31–34.
7. Xu Q.Y., M. Nakajima, H. Nabetani, S. Ichikawa, X. Liu, Effect of the dispersion behavior of a nonionic surfactant on surface activity and emulsion stability, J. Colloid Interface Sci. 242(2) (2001) 443–449.
8. Hagesaether L., Coalescence and Breakup of Drops and Bubbles, PhD Thesis, Department of Chemical Engineering, Norwegian University of Science and Technology, Trodheim, Norway, 2002.
9. Tan C.S., M.L. Gee, G.W. Stevens, Optically profiling a draining aqueous film confined between an oil droplet and a solid surface: effect of non–ionic surfactants, Langmuir 19(19) (2003) 7911–7918.
10. Ikeda N., R. Krustev, H.J. Muller, Thermodynamic consideration on single oil in water emulsion film stabilized by cationic surfactant, Adv. Colloid Interface Sci. 108–109 (2004) 273–286.
11. Chevaillier J.P., E. Klaseboer, O. Masbernat, C. Gourdon, Effect of mass transfer on the film drainage between colliding drops, J. Colloid Interface Sci. 299(1) (2006) 472–485.
12. Garrett P.R., S.P. Wicks, E. Fowles, The effect of high volume fractions of latex particles on foaming and antifoam action in surfactant solutions, Colloids Surfaces A 282–283 (2006) 307–328.
13. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
14. Jacobsen H.A., Chemical reacttor modeling: multiphase reactive flows, General Reactor Technology Chemical Ractor Modeling, 2008, 1–1244.
15. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
16. Acevedo–Malave J.A., E. Sira, M. Garcia–Sucre, Film drainage between two drops: Vortex formation in thin liquid films, Interciencia 34(6) (2009) 380–384.
17. Nam Y.S., J.–W. Kim, J. Shim, S. Hoon Han, H. Kon Kim, Silicone oil emulsions stabilized by semi–solid nanostructures entrapped at the interface, J. Colloid Interface Sci. 351(1) (2010) 102–107.
18. Chan D.Y.C., E. Klaseboer, R. Manica, Film drainage and coalescence between deformable drops and bubbles, Soft Matter 7(6) (2011) 2235–2264.
19. Chan D.Y.C., E. Klaseboer, R. Manica, Theory of non-equilibrium force measurements involving deformable drops and bubbles, Adv. Colloid Interface Science, 165(2) (2011) 70–90.
20. Radoev B., K.W. Stoeckelhuber, R. Tsekov, P. Letocart, Wetting film dynamics and stability, Colloid Stability and Application in Pharmacy, 3 (2011) 151–172.
21. Nam Y.S., Kim J.-W., Park J., Shim J., Lee J.S., Han S.H., Tocopheril acetate nanoemulsions stabilized with lipid-polymer hybrid emulsifiers for effective skin delivery, Colloid and Surfaces B 94 (2012) 51–57.
22. Vannozzi C., Coalescence of surfactants covered drops in extensional flows: effects of interfacial diffusivity, Physics Fluids 24(8) (2012) Art. No. 082101.
23. Friberg D.E., D.H. Friberg, Emulsion formation, Encyclopedia in Colloid and Interface Science, 2013, 366–414.
24. Jacobsen H.A., Multiphase Flow, chemical Reactor Modeling, 2014, 369–536.
25. C. Dos Santos Cerqueira Coutinho, E.P. Dos Santos, C.R.E. Mansur, Nanosystems in photoprotection, Journal of Nanosicence and Nanotechnology 15(12) (2015) 9679–9688.
26. Chen S.A., L.Y. Clasohm, R.G. Hom, S.L. Camie, Osmotically driven deformation of a stable water film, Langmuir 31(35) (2015) 9582–9596.
27. Malmazed E.D., Fre Risso, O. Masbermat, V. Pauchard, Coalescence of contaminated water drops at an oil/water interface: influence of micro-particles, Colloids and Surfaces A 482(5) (2015) 514–528.
28. De Campos V.E.B., C.S. Cerqueira-Coutinho, F.N.C. Capella, B.G. Soares, C. Holandino, C.R.E. Mansur, Development and in vitro assessment of nanoemulsion for delivery of ketoconazole against Candida albicans, Journal of Nanoscience and Nanotechnology 17(7) (2017) 4623–4630.
29. Jin H., W. Wang, F. Liu, Z. Yu. H. Chang, K. Li, J. Gong, Roles of interfacial dynamics in the interaction behaviours between deformable oil droplets, International Journal of Multipahse Flow 94 (2017) 44–52.
30. Politova N., S. Tcholakova, N.D. Denkov, Factors affecting the stability of water-oil-water emulsion films, Colloids Surfaces A 522 (2017) 608–620.

31. Karthik P., C. Anandharamakrishnan, Droplet coalescence as a potential marker for physicochemical fate of nanoemulsions during in-vitro small intestine digestion, Colloids and Surfaces A 553 (2018) 278–287.
32. Shi X., G.G. Fuller, E.S.G. Shaqfeh, Oscillatory spontaneous dimpling in evaporating curved thin films, Journal of Fluid Mechanics 889 (2020) A25.
33. Chatzigiannakis E., N. Jaensson, J. Vermant, Thin liquid films: Where hydrodynamics, capillarity, surface stresses and intermolecular forces meet, Current Opinion in Colloid and Interface Science 53 (2021) Art. No. 101441.
34. Chatzigiannakis E., J. Vermant, Dynamic stabilization during the drainage of thin film polymer solutions, Soft Matter 17 (2021) Art. No. 4790–4803.

048 P.M. Vlahovska, K.D. Danov, A. Mehreteab, G. Broze, Adsorption kinetics of ionic surfactants with detailed account for the electrostatic interactions. I. No added electrolyte, J. Colloid Interface Sci. 192 (1997) 194–206. (**Citations: 42**)

1. Warszynski P., W. Barzyk, K. Lunkenheimer, H. Fruhner, Surface tension and surface potential of Na n–dodecyl sulfate at the air–solution interface: model and experiment, J. Phys. Chem. B 102(52) (1998) 10948–10957.
2. Datwani S.S., K.J. Stebe, The dynamic adsorption of charged amphiphiles: the evolution of the surface concentration, surface potential, and surface tension, J. Colloid Interface Sci. 219(2) (1999) 282–297.
3. Bain C.D., S. Manning–Benson, R.C. Darton, Rates of mass transfer and adsorption of hexadecyltrimethylammonium bromide at an expanding air–water interface, J. Colloid Interface Sci. 229(1) (2000) 247–256.
4. Fainerman V.B., A.V. Aksenenko, R. Miller, Effect of surfactant aggregation in the adsorption layer at the liquid/liquid interface on the shape of the surface pressure isotherm, J. Phys. Chem. B 104(24) (2000) 5744–5749.
5. Fainerman V.B., D. Vollhardt, R. Johann, Arachidic acid monolayers at high pH of the aqueous subphase: studies of counterion bonding, Langmuir 16(20) (2000) 7731–7736.
6. Aydogan N., N.L. Abbott, Interfacial properties of unsymmetrical bolaform amphiphiles with one ionic and one nonionic head group, J. Colloid Interface Sci. 242(2) (2001) 411–418.
7. Fainerman V.B., R. Miller, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 99.
8. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 1.
9. Miller R., A.V. Makievski, V.B. Fainerman, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 287.
10. Miller R., J. Kraegel, V.B. Fainerman, A.V. Makievski, D.O. Grigoriev, F. Ravera, L. Liggieri, D.Y. Kwok, A.W. Neumann, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, pp. 1–45.
11. Warszynski P., K.D. Wantke, H. Fruhner, Theoretical description of surface elasticity of ionic surfactants, Colloids Surfaces A 189(1–3) (2001) 29–53.
12. White A.J.P., The effect of ionic surfactants on expanding free surfaces, PhD Thesis, Mathematical Institute, University of Oxford, 2001.
13. Fainerman V.B., E.H. Lucassen–Reynders, Adsorption of single and mixed ionic surfactants at fluid interfaces, Adv. Colloid Interface Sci. 96(1–3) (2002) 295–323.
14. Takahashi T., H. Yui, T. Sawada, Direct observation of dynamic molecular behavior at a water/nitrobenzene interface in a chemical oscillation system, J. Phys. Chem B 106(9) (2002) 2314–2318.
15. Paria S., Studies of surfactant adsorption at the cellulose–water interface, PhD Thesis, Indian Institute of Technology, Bombay, 2003.
16. Helvaci S.S., S. Peker, G. Ozdemir, Effect of electrolytes on the surface behavior of rhamnolipids R1 and R2, Colloids Surfaces B 35(3–4) (2004) 225–233.
17. Sugiura S., M. Nakajima, T. Oda, M. Satake, M. Seki, Effect of interfacial tension on the dynamic behavior of droplet formation during microchannel emulsification, J. Colloid Interface Sci. 269(1) (2004) 178–185.
18. Yasuno M., S. Sugiura, S. Iwamoto, M. Nakajima, A. Shono, K. Satoh, Monodispersed microbubble formation using microchannel technique, AIChE J. 50(12) (2004) 3227–3233.
19. Paria S., C. Manohar, K.C. Khilar, Kinetics of adsorption of anionic, cationic, and nonionic surfactants, Ind. Eng. Chem., Res. 44(9) (2005) 3091–3098.
20. Yalcin M., A. Guerses, C. Dogar, M. Soezbilir, The adsorption kinetics of cethyltrimethylammonium bromide (CTAB) onto powdered active carbon, Adsorption 10(4) (2005) 339–348.

21. Kegel J., Formulierung und Characterisierung steroidaler “NanoCompounds” mit Hilfe eines aufbauenden Verfahrens, Cuvillier, 2006.
22. Moorkanikkara S.N., Development of novel methodologies to analyze the adsorption kinetics of nonionic surfactants, PhD Thesis, MIT, 2007.
23. Leick S., P. Degen, B. Kohler, H. Rehage, Film formation and surface gelation of gelatin molecules at the water/air interface, Physical Chemistry Chemical Physics 11(14) (2009) 2468–2474.
24. Van Dijke K.C., Emulsification with microstructures, PhD Thesis, Wageningen University, 2009.
25. Wierenga P.A., E.S. Basheva, N.D. Denkov, Modified capillary cell for foam film studies allowing exchange of the film–forming liquid, Langmuir 25(11) (2009) 6035–6039.
26. Klapper P., Tensiometrische Stofftransportuntersuchungen der Zinkextraktion mit dem Kationenaustauscher Di(2-ethylhexyl)phosphorsäure, PhD Thesis, TU Bergakademie, Freiburg, Germany, 2010.
27. Li X., R. Shaw, G.M. Evans, P. Stevenson, A simple numerical solution to the Ward–Tordai equation for the adsorption of non–ionic surfactants, Computers and Chemical Enginnering 34(2) (2010) 146–153.
28. Van Dijke K., I. Kobayashi, K. Schroen, K. Uemura, M. Nakajima, R. Boom, Effect of viscosities of dispersed and continuous phases in microchannel oil–in–water emulsification, Microfluidics and Nanofluidics 9(1) (2010) 77–85.
29. Chevallier E., A. Mamane, H.A. Stone, C. Tribet, F. Lequeux, C. Monteux, Pumping-out photo-surfactants from an air-water interface using light, Soft Matter 7(17) (2011) 7866–7874.
30. Fujiu K.B., I. Kobayashi, K. Uemura, M. Nakajima, Temperature effect on microchannel oil-in-water emulsification, Microfludics and Nanofluidics 10(4) (2011) 773–783.
31. Stevenson P., R. Shaw, J. Tulloch, G. Evans, The influence of stirring upon the adsorption of a cationic surfactant onto activated carbon particles, Adsorption Science and Technology 29(2) (2011) 99–114.
32. Rojewska M., K. Prochaska, Adsorption properties of binary mixtures containing quaternary derivatives of lysosomotropic substances, Colloid Surfaces A 413 (2012) 154–161.
33. Chevallier E., Cascade d’effects induits par la lumiere aux interfaces liquides, PhD Thesis, Pierre and Marie Curie University, 2013.
34. Svanedal I., G. Persson, M. Norgren, H. Edlund, Anomalies in solution behavior of an alkyl aminopolycarboxylic chelating surfactant, Lamgmuir 29(45) (2013) 13708–13716.
35. Gambhire P., R. Thaokar, Electrokinetic model for electric-field-induced interfacial instabilities, Physical Review E 89(3) (2014) Art. No. 032409.
36. Moire M., Study of water/surfactants/oil interfacial properties by microfluidics, PhD Thesis, Ecole Paris 6, 2015.
37. Casandra A., The adsorption kinetic of ionic surfactant, PhD Thesis, Department of Chemical Engineering, National Taiwan University of Science and Technology, 2016.
38. Casandra A., Y.-C. Lin, L. Liggieri, F. Ravera, R.-Y. Tsai, S.-Y. Lin, Adsorption kinetics of the ionic surfactant decanoic acid, Internationa Journal of Heat and Mass Transfer 102 (2016) 36–44.
39. Long J., Y. Jin, H. Sun, Y. Zheng, S. Tian, Synergistic solubilization of polycyclic aromatic hydrocarbons by mixed micelles composed of a photoresponsive surfactant and a conventional non-ionic surfactant, Separation and Purification Technology 160 (2016) 11–17.
40. Casandra A., Y.-C. Lin, R.-Y. Tsai, S.-Y. Lin, Adsorption kinetics of a partially protonated cationic surfactant dodecylamine, Journal of Molecular Liquids 256 (2018) 312–319.
41. Lapucha J., Liquid content predictors for aqueous foams, PhD Thesis, Tulane University, 2018.
42. Ziegler E.E., Strömungsdynamik und Stofftransport in einem Strahl-Kolonnenflotationsapparat zur Abtrennung oberflächenaktiver Substanzen aus wässrigen Stoffströmen, PhD Thesis, Stuttgard Universiry 2019.

047 T.S. Horozov, C.D. Dushkin, K.D. Danov, L.N. Arnaudov, O.D. Velev, A. Mehreteab, G. Broze, Effect of the surface expansion and wettability of the capillary on the dynamic surface tension measured by the maximum bubble pressure method, Colloids Surfaces A 113 (1996) 117–126. (**Citations: 20**)

1. Fainerman V.B., R. Miller, The maximum bubble pressure tensiometry, in: D. Möbius, R. Miller (Eds.), Drops and Bubbles in Interfacial Research, Elsevier, Amsterdam, 1998.
2. Kovalchuk V.L., V.B. Fainerman, R. Miller, S.S. Dukhin, Bubble formation in maximum bubble pressure measuring systems employing a gas reservoir of limited volume, Colloids Surfaces A 143(2–3) (1998) 381–393.
3. Lylyk S.V., A.V. Makievski, V.I. Koval’chuk, K.–H. Schano, V.B. Fainerman, R. Miller, The effect of capillary characteristics on the results of dynamic surface tension measurements using the maximum bubble pressure method, Colloids Surfaces A 135(1–3) (1998) 27–40.

4. Wu N., J.L. Dai, F.J. Micale, Dynamic surface tension measurement with a dynamic Wilhelmy plate technique, J. Colloid Interface Sci. 215(2) (1999) 258–269.
5. Experimental technique and analysis of tensiograms, Studies in Interface Science 8(C) (2000) 41–67.
6. Kazakov V.N., A.F. Vozianov, O.V. Sinyachenko, D.V. Trukhin, V.I. Kovalchuk, U. Pison, Studies on the application of dynamic surface tensiometry of serum and cerebrospinal liquid for diagnostic and motoring of treatment in patients who have rheumatic, neurological or oncological diseases, Adv. Colloid Interface Sci. 86(1–2) (2000) 1–38.
7. Kovalchuk V.I., S.S. Dukhin, Dynamic effects in maximum bubble pressure experiments, Colloids Surfaces A 192(1–3) (2001) 131–155.
8. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 1.
9. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 11.
10. Marinova K.G., N.D. Denkov, Foam destruction by mixed solid–liquid antifoams in solutions of alkyl glucoside: electrostatic interactions and dynamic effects, Langmuir 17(8) (2001) 2426–2436.
11. Mathes H., Monodisperse Schaume, PhD Thesis, Bremen University, 2004.
12. Shi D., D. Li, G. Gao, L. Wang, Experimental study on new method and automatic system for fast evaluating Al–Si alloy modification effect in front of furnace, Science in China Series E: Technological Sciences 49(5) (2006) 569–575.
13. Li Y.-H., S.-B. Wang, L.-P. Chang, Research progress on metods for measurements of surface (inrerfacial) tension, 2007.
14. Li D.-Y., D.-Q. Wang, L.-H. Wang, The new method for fast testing surface tension of liquid alloy and its application in foundry production, 68th World Foundry Congress 2008, WFC 2008, 343–347.
15. Shi D., D. Li, G. Gao, New method and device to fast measure surface tension of the melt and its applications in foundry, Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science 39 (1) (2008) 46–55.
16. Boitte J.B., L. Benyahia, N. Brambati, A.M. Buchert, C. Michon, Rheologie 19 (2011) 61–68.
17. Casandra A., M.-C. Chung, B.A. Noskov, S.-Y. Lin, Adsorption kinetics of sodium dodecyl sulfate at perturbed air-water interface, Colloids and Surfaces A 518 (2017) 241–248.
18. Levi O., R. Freud, E. Sher, Dynamic surface tension of gasoline and alcohol fuel blends, Atomization and Sprays 27(1) (2017) 1–5.
19. Lu Y., Investigation of two-phase flow during liquid displacement in microchannels: Experiments and CFD simulations, PhD Thesis, University of Birmingham, 2018.
20. Needham D., K. Kinoshita, A. Utoft, Micro-surface and -interfacial tensions measured using the micropipette technique: Applications in ultrasound-microbubbles, oil-recovery, lung-surfactants, nanoprecipitation, and microfluidics, Micromashines 10 (2019) Art. No. 105.

046 K.D. Danov, P.M. Vlahovska, T. Horozov, C.D. Dushkin, P.A. Kralchevsky, A. Mehreteab, G. Broze, Adsorption from micellar surfactant solutions: nonlinear theory and experiment, J. Colloid Interface Sci. 183 (1996) 223–235. (**Citations: 33**)

1. Binks B.P., W.G. Cho, P.D.I. Fletcher, Disjoining pressure isotherms for oil–water–oil emulsion films, Langmuir 13(26) (1997) 7180–7185.
2. Fainerman V.B., R. Miller, The maximum bubble pressure tensiometry, in: D. Möbius, R. Miller (Eds.), Drops and Bubbles in Interfacial Research, Elsevier, Amsterdam, 1998, pp. 279–326.
3. Li G., Mu Jian–hai, Sui Hua, , China Surfactant, Detergent and Cosmetics 5(5) (1999) 27–32.
4. Tuller M., D. Or, L.M. Dudley, Adsorption and capillary condensation in porous media: liquid retention and interfacial configurations in angular pores, Water Resour. Res. 35(7) (1999) 1949–1964.
5. Williams C.L., A.R. Bhakta, P. Neogi, Mass transfer of a solubilizate in a micellar solution and across an interface, J. Phys. Chem. B 103(16) (1999) 3242–3249.
6. Eastoe J., J.S. Dalton, Dynamic surface tension and adsorption mechanism of surfactants at the air–water interface, Adv. Colloid Interface Sci. 85(2) (2000) 103–144.
7. Alami E.O., Novel gemini surfactants based on natural products. Aggregation behaviour in aqueous solutions, Doktorsavhandlingar vid Chalmers Tekniska Hogskola (1791) (2001) 1–67.
8. Eastoe J., A. Rankin, R. Wat, C.D. Bain, Surfactant adsorption dynamics, Int. Rev. Phys. Chem. 20(3) (2001) 357–386.

9. Miller R., A.V. Makievski, V.B. Fainerman, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 287.
10. Noskov B.A., D.O. Grigoriev, in: Surfactants: Chemistry, Interfacial Properties, Applications, (Studies in Interface Science, Vol. 13), Elsevier, Amsterdam, 2001, p. 401.
11. Contreras P., C. Podina, M. Olteanu, Transference of amphiphilic molecules from a flat interface to a finite system by convective diffusion, Analele Universitatii Bucuresti (2002) 115–120.
12. Noskov B.A., Kinetics of adsorption from micellar solutions, Adv. Colloid Interface Sci. 95(2–3) (2002) 237–293.
13. Miller R., Sollubilization in surfactant systems, Handbook of Surface and Colloid Chemistry (2002) 511–538.
14. Daniel R.C., J.C. Berg, A simplified method for predicting the dynamic surface tension of concentrated surfactant solutions, J. Colloid Interface Sci. 260(1) (2003) 244–249.
15. Breward C.J.W., P.D. Howell, Straining flow of a micellar surfactant solution, European J. Applied Mathematics 15(5) (2004) 511–531.
16. China surfactant Detergent and Cosmetics, 35(6) (2005) 346.
17. Colegate D.M., C.D. Bain, Adsorption kinetics in micellar solutions of nonionic surfactants, Phys. Rev. Lett. 95(19) (2005) 1–4.
18. Fainerman V.B., V.D. Mys, A.V. Makievski, J.T. Petkov, R. Miller, Dynamic surface tension of micellar solutions in the millisecond and submillisecond time range, J. Colloid Interface Sci. 302(1) (2006) 40–46.
19. Jiang R., Y.–H. Ma, J.–X. Zhao, Adsorption dynamics of binary mixture of Gemini surfactant and opposite–charged conventional surfactant in aqueous solution, J. Colloid Interface Sci. 297(2) (2006) 412–418.
20. Song Q., A. Couzis, P. Somasundaran, C. Maldarelli, A transport model for the adsorption of surfactant from micelle solutions onto a clean air/water interface in the limit of rapid aggregate disassembly relative to diffusion and supporting dynamic tension experiments, Colloids Surfaces A 282–283 (2006) 162–182.
21. Weiss M., R.C. Darton, T. Battal, C.D. Bain, Surfactant adsorption and Marangoni flow in liquid jets. 3. Modeling in the presence of micellar surfactant, Ind. Eng. Chem. Res. 45(7) (2006) 2235–2248.
22. Liu T., L. Montastruc, F. Gancel, L. Zhao, I. Nikov, Integrated process for production of surfactin. Part 1: Adsorption rate of pure surfactin onto activated carbon, Biochemical Engineering J. 35(3) (2007) 333–340.
23. Shrestha L.K., Y. Matsumoto, K. Ihara, K. Aramaki, Dynamic surface tension and surface dilatational elasticity properties of mixed surfactant/protein systems, J. Oleo Sci. 57(9) (2008) 485–494.
24. Tucker I., J. Penfold, R.K. Thomas, I. Grillo, J.G. Barker, D.F.R. Mildner, The surface and solution properties of dihexadecyl dimethylammonium bromide, Langmuir 24 (2008) 6509–6520.
25. Bhole N.S., F. Huang, C. Makdarelli, The formation of a micelle–free zone in the transport of surfactant from an aqueous micellar solution to an oil phase, AIChE Annual Meeting, Conference Proceedings (2009).
26. Colegate D., Structure-kinetics relationships in micellar solutions of nonionic surfactants, PhD Thesis, durham University, 2009.
27. Tan H.W., Rheology na stability of olive oil cream emulsion stabilized by sucrose fatty acid esters nonionic surfactants, Disertation, University of Malaya, 2009.
28. Bhole N.S., F. Huang, C. Maldarelli, Fluorescence visualization and modeling of a micelle–free zone formed at the interface between an oil and an aqueous micellar phase during interfacial surfactant transport, Langmuir 26(20) (2010) 15761–15778.
29. Montastruc L., T. Liu, I. Nikov, P. Floguet, S. Domenech, Integrated process for production of surfactin (III) modeling of adsorption column, Chinese Journal of Chemical Engineering 19(3) (2011) 357–364.
30. Song Q., M. Yuan, Visualization of an adsorption model for surfactant transport from micelle solutions to a clean air/water interface using fluorescence microscopy, J. Colloid Interface Sci. 357 (2011) 179–188.
31. Kalagirou A., M.G. Blith, The role of soluble surfactant in the linear stability of two-layer flow in a channel, Journal of Fluid Mechanics 873 (2019) 18–48.
32. Kalogirou A., M.G. Blyth, Nonlinear dynamics of two-layer channel flow with soluble surfactant below or above the critical; micelle concentration, Journal of Fluid Mechanics 900 (2020) A7.
33. Jadhav S.N., U. Ghosh, Effect of surfactants on the settling of a drop towards a wall, Journal of Fluid Mechnics 912 (2021) Art. No. A4.

045 P.A. Kralchevsky, K.D. Danov, I.B. Ivanov, Thin liquid film physics, in: R.K. Prud'homme (Ed.), Foams: Theory, Measurements and Applications, Marcel Dekker, New York, 1996, pp. 1–97. (**Citations: 55**)

1. Petsev D.N., J. Bibette, Stability of osmotically compressed emulsions in the presence of ionic surfactants, Langmuir 11(4) (1995) 1075–1077.

2. Velev O.D., G.N. Constantinides, D.G. Avraam, A.C. Payatakes, R.P. Borwankar, Investigations of thin liquid films of small diameters and high capillary pressures by a miniaturized cell, J. Colloid Interface Sci. 175(1) (1995) 68–76.
3. Krichevsky O., J. Stavans, Confined fluid between two walls: the case of micelles inside a soap film, Phys. Rev. E 55(6) (1997) 7260–7266.
4. Velikov K.P., O.D. Velev, K.G. Marinova, G.N. Constantinides, Effect of the surfactant concentration on the kinetic stability of thin foam and emulsion films, J. Chem. Soc., Faraday Trans. 93(11) (1997) 2069–2075.
5. Cristini V., J. Blawzdziewicz, M. Loewenberg, Near–contact motion of surfactant–covered spherical drops, J. Fluid Mech. 366 (1998) 259–287.
6. Hool K.O., R.C. Saunders, H.J. Ploehn, Measurement of thin liquid film drainage using a novel high–speed impedance analyzer, Rev. Sci. Instruments 69(9) (1998) 3232–3239.
7. Marinova K.G., T.D. Gurkov, T.D. Dimitrova, R. Alargova, D. Smith, Role of oscillatory structural forces for interactions in thin emulsion films containing micelles, Langmuir 14(8) (1998) 2011–2019.
8. Petsev D.N., in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998, Ch. 10.
9. Tsujii K., Surface Activity: Principles, Phenomena and Applications (Polymers, Interfaces and Biomaterials), Academic Press, London, 1998.
10. Bingyi Q., China Surfactants, Detergents Cosmetics 2(3) (1999) 53–56.
11. Blawzdziewicz J., E. Wajnryb, M. Loewenberg, Hydrodynamic interactions and collision efficiencies of spherical drops covered with an incompressible surfactant film, J. Fluid Mech. 395 (1999) 29–59.
12. Denkov N.D., Mechanisms of action of mixed solid–liquid antifoams. 2. Stability of oil bridges in foam films, Langmuir 15(24) (1999) 8530–8542.
13. Dokic P.P., L.M. Dakovic, P.P. Radivojevic, V.J. Sovilj, I.B. Sefer, Dynamics of emulsion formation, J. Dispersion Sci. Technology 20(1–2) (1999) 215–134.
14. Kornev K.G., A.V. Neimark, A.N. Rozhkov, Foam in porous media: thermodynamic and hydrodynamic peculiarities, Adv. Colloid Interface Sci. 82(1–3) (1999) 127–187.
15. Shirshin K.V., O.A. Kazantsev, S.A. Kazakov, S.M. Danov, Synthesis of monomeric betaines from N–(dimethylaminoalkyl)methacrylamides, Russian Journal of Applied Chemistry 72(2) (1999) 278–281.
16. Zapryanov Z., S. Tabakova, Dynamics of Bubbles, Drops and Rigid Particles, Kluwer Academic Publishers, Dordrecht, 1999.
17. Fruhner H., K.D. Wantke, K. Lunkenheimer, Relationship between surface dilational properties and foam stability, Colloids Surfaces A 162(1–3) (2000) 193–202.
18. Khristov K., S.D. Taylor, J. Czarnecki, J. Masliyah, Thin liquid film technique – application to water–oil–water bitumen emulsion films, Colloids Surfaces A 174(1–2) (2000) 183–196.
19. Khristov Kh., D. Exerowa, M. Malysa, in: P.L.J. Zitha, J. Banhart, G.L.M.M. Verbist (Eds.), Proceedings of the 3–rd Euroconference on Foams, Emulsions and their Applications (Eurofoam 2000), Verlag, Bremen, pp. 21–31.
20. Nuňez G.A., G. Sanchez, X. Guiterrez, F. Silva, C. Dalas, H. Rivas, Rheological behavior of concentrated bitumen in water emulsions, Langmuir 16(16) (2000) 6497–6502.
21. Uhomoibhi J.O., A.H. Fawcett, in: P.L.J. Zitha, J. Banhart, G.L.M.M. Verbist (Eds.), Proceedings of the 3–rd Euroconference on Foams, Emulsions and their Applications (Eurofoam 2000), Verlag, Bremen, pp. 247–254.
22. Arnaudov L., N.D. Denkov, I. Surcheva, P. Durbut, G. Broze, A. Mehreteab, Effect of oily additives on foamability and foam stability. 1. Role of interfacial properties, Langmuir 17(22) (2001) 6999–7010.
23. Dukhin S.S., O. Saether, J. Sjoblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, 71–93.
24. Gergely V., R.L. Jones, T.W. Clyne, The effect of capillarity–driven melt flow and size of particles in cell faces on metal foam structure evolution, Transactions of JWRI 30 (2001) 371–376.
25. Gurkov T.D., J.T. Petkov, B. Campbell, R. Borwankar, in: E. Dickinson, R. Miller (Eds.), Food Colloids. Fundamentals of Formulation, Royal Soc. Chemistry, 2001, 181–190.
26. Hadjiiski A., S. Tcholakova, N.D. Denkov, Effect of oily additives on foamability and foam stability. 2. Entry barriers, Langmuir 17(22) (2001) 7011–7021.
27. Perrin P., F. Millet, B. Cahrleux, Emulsions stabilized by polyelectrolytes, in: T. Radeva (Ed.), Physical Chemistry of Polyelectrolytes (Surfactant Science Series), Marcel Dekker, New York, 2001, p. 438.
28. Princen H.M., in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, 2001, 243–278.
29. Radeva T., Physical Chemistry of Polyelectrolytes, Marcel Dekker, New York, 2001; p. 438.
30. Zhang L.Y., M.P. Srinivasan, Hydrodynamics of subphase entrainment during Langmuir–Blodgett film deposition, Colloids Surfaces A 193(1–3) (2001) 15–33.

31. Gurkov T.D., E.S. Basheva, Hydrodynamic behavior and stability of approaching deformable drops, in: A.T. Hubbard (Ed.), Encyclopedia of Surface and Colloid Science, Marcel Dekker, New York, 2002.
32. Marinova K.G., N.D. Denkov, P. Branlard, Y. Giraud, M. Deruelle, Optimal hydrophobicity of silica in mixed oil–silica antifoams, Langmuir 18(9) (2002) 3399–3403.
33. Taylor S.D., J. Czarnecki, J. Masliyah, Disjoining pressure isotherms of water–in–bitumen emulsion gilms, J. Colloid Interface Sci. 252(1) (2002) 149–160.
34. Angarska J.K., E.D. Manev, Effect of tetrapentyl ammonium bromide adsorption on the electrostatic interactions in aqueous octaethyleneglycol decylether foam films, Colloids Surfaces A 223(1–3) (2003) 73–82.
35. Moosai R., R.A. Dawe, Gas attachment of oil droplets for gas flotation for oily wastewater cleanup, Separation and Purification Technol. 33(3) (2003) 303–314.
36. Rivas H., X. Gutierrez, F. Silva, M. Chirinos, Sobre Emulsiones de bitumen en aqua, Acta Científica Venezolana 54(3) (2003) 216–234.
37. Postema M., A. van Wamel, C.T. Lancée, Ultrasound–induced encapsulated microbubble phenomena, Ultrasound in Medicine Biology 30(6) (2004) 827–840.
38. Postema M., P. Marmottant, C.T. Lancee, S. Hilqenfeldt, N.D. Jong, Ultrasound–induced microbubble coalescence, Ultrasound Medicine Biology 30 (10) (2004) 1337–1344.
39. Postema M., Medical bubbles, PhD Thesis, University of Twente, 2004.
40. Saeter O., J. Sjoblom, S.S. Dukhin, Droplet flocculation and coalescence in dilute oil-in-water emulsions, in: Food Emulsions, CRC Press, 2004, Ch. 5.
41. Spyridopoulos M.T., S.J. R. Simons, Effect of natural organic matter on the stability of a liquid film between two colliding bubbles, Colloids Surfaces A **235** (2004) 25–34.
42. Tamura T., Y. Kaneko, Foam film stabilitty in aqueous systems, in: S. Hartland (Ed.), Surface and Interfacial Tension: Measurement, Theory, and Applications, Marcel Dekker, New York, 2004, p. 144.
43. Blawzdziewicz J., E. Wajnryb, Phase equilibria in stratified thin liquid films stabilized by colloidal particles, Europhys. Lett. 71(2) (2005) 269–275.
44. Vlahovska P.M., M. Loewenberg, J. Blawzdziewicz, Deformation of a surfactant–covered drop in a linear flow, Phys. Fluids 17(10) (2005) Art. No. 103103.
45. Wendt T., Herstelung flussigkeitshaltiger pulverformiger Komposite durch ein Hochdruckspruhverfahren fur Anwendungen im Lebensmittelbereich, Cullivier Verlag, Gotingen, 2007.
46. Bławzdziewicz J., E. Wajnryb, Equilibrium and nonequlibrium thermodynamics of particle–stabilized thin liquid films, J. Chem. Phys. 129(19) (2008) art. no. 194509.
47. Dukhin S.S., V.I. Kovalchuk, E.V. Aksenenko, R. Miller, Surfactant accumulation within the top foam layer due to rupture of external foam films, Adv. Colloid Interface Sci. 137 (2008) 45–56.
48. Borghei S.M., The effect of different parameters on the eficiency and design of IFG systems at hight TDS and temperature, PhD Thesis, Environmental Engineering, Islamic Azad University, 2009.
49. Nonnekes L.E., S.J. Cox, W.R. Rossen, Effect of gas diffusion on mobility of foam for EOR, Proceedings – SPE Annual Technical Conference and Exhibition 5 (2012) 3499–3509.
50. Nonnekes L.E., S.J. Cox, W.R. Rossen, A 2D model for the effect of gas diffusion on mobility of foam for EOR, ECMOR 2012 – 13th European Concenrence on the Mathematics of Oil Recovery, Art. 103266.
51. Angarska J., D. Ivanova, A. Gerasimova, K. Balashev, competitive adsorption of bovine serum albumin and n-dodecyl-maltoside in foam films, Colloids Surfaces A 460 (2014) 286–298.
52. Tufaile A., A.P.B Tufaile, Parhelic-like circle form light scattering in Plateau borders, Physics Letters A 379(6) (2015) 529–534.
53. Nonnekes L.E., S.J. Cox, W.R. Rossen, Effect of gas diffusion on mobility of foams for enhanced oil recovery, Trans. Porous Medium 106 (2015) 669–689.
54. Solbakken J.S., Experimental study of N_2 and CO_2 foam properties in relation to enhanced oil recovery applications, PhD Thesis, University of Bergen, Norway, 2015.
55. Chen Y., A.S. Elhag, A.J. Worthen, P.P. Reddy, A.M. Ou, G.J. Hirasaki, Q.P. Nguyen, S.L. Biswal, K.P. Johnston, High temperature CO2-in-water foams stabilized with cationic quaternary ammonium surfactants, Journal of Chemical and Engineering Data 61(8) (2016) 2761–2770.

044 J.T. Petkov, K.D. Danov, N.D. Denkov, R. Aust, F. Durst, Precise method for measuring the shear surface viscosity of surfactant monolayers, Langmuir 12(11) (1996) 2650–2653. (**Citations: 76**)

1. Dietrich C., M. Angelova, B. Pouligny, Adhesion of latex spheres to giant phospholipid vesicles: statics and dynamics, J. Phys. II 7(11) (1997) 1651–1682.
2. Kurnaz M.L., D.K. Schwartz, Channel flow in a Langmuir monolayer: unusual velocity profiles in a liquid–crystalline mesophase, Phys. Rev. E 56(3) (1997) 3378–3384.

3. Angarska J.K., K.D. Tachev, P.A. Kralchevsky, A. Mehreteab, G. Broze, Effects of counterions and co–ions on the drainage and stability of liquid films and foams, J. Colloid Interfaces Sci. 200(1) (1998) 31–45.
4. Langevin D., Dynamics of surfactant layers, Curr. Opin. Colloid Interface Sci. 3(6) (1998) 600–607.
5. Barentin C., C. Ybert, J.M. di Meglio, J.–F. Joanny, Surface shear viscosity of Gibbs and Langmuir monolayers, J. Fluid Mech. 397 (1999) 331–349.
6. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
7. Fisher T.M., Der Langmuir–Monolayer, ein quasi zweidimensionales System im thermodynamischen Gleichgewicht und Nichtgleichgewicht, Habilitationsschrift, Universitaet Leipzig, 1999.
8. Barentin C., P. Muller, C. Ybert, J.–F. Joanny, J.–M. di Meglio, Shear viscosity of polymer and Surfactant monolayers, Eur. Phys. J E 2(2) (2000) 153–159.
9. Bouchama F., J.–M. di Meglio, Rheological study of freely suspended soap films, Colloid Polym. Sci. 278(3) (2000) 195–201.
10. Kralchevsky P.A., K. Nagayama, Capillary interactions between particles bound to interfaces, liquid films and biomembranes, Adv. Colloid Interface Sci. 85(2) (2000) 145–192.
11. Lyklema J. (Ed.), Fundamentals of Interface and Colloid Science, Vol. III: Liquid–Fluid Interfaces, 2000, p. 183.
12. Tsukahara S., Y. Yamada, H. Watarai, Effect of surfactants on in–plane and out–of–plane rotational dynamics of octadecylrhodamine B at toluene–water interface, Langmuir 16(17) (2000) 6787–6794.
13. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 8.
14. Koehler S.A., S. Hilgenfeldt, E.R. Weeks, H.A. Stone, Drainage of single Plateau borders: direct observation of rigid and mobile interfaces, Phys. Rev. E 66(4) (2002) Art. No. 040601.
15. Bantchev G.B., D.K. Schwartz, Surface shear rheology of β–casein layers in the air/solution interface: formation of a two–dimensional physical gel, Langmuir 19(7) (2003) 2673–2682.
16. Langevin D., Electric–field–induced capillary attraction between like–charged particles at liquid interfaces, Chem. Phys. Chem. 4(10) (2003) 1057–1058.
17. Watarai H., S. Tsukahara, H. Nagatani, A. Ohashi, Interfacial nanochemistry in liquid–liquid extraction systems, Chem Soc. Jpn 76(8) (2003) 1471–1492.
18. Zhang X., M.T. Li, Measurements of interfacial shear viscosity, Jiangsu Chemical Industry 31(6) (2003) 21.
19. Koehler S.A., S. Hilgenfeldt, E.R. Weeks, H.A. Stone, Foam drainage on the microscale – II. Imaging flow through single Plateau borders, J. Colloid Interface Sci. 276(2) (2004) 439–449.
20. Miller R., V.B. Fainerman, Interfacial rheology of adsorbed layers, in: D.N. Petsev (Ed.), Emulsions: Structure, Stability and Interactions, Elsevier, London, 2004, p. 61.
21. Monteux C., Adsorption et rheologie interfaciale de complexes polyelectrolytes/tensioactifs, PhD Thesis, Laboratoire de Physique Statistique, Department de Physique de l’Ecole Normale Superieure, Paris, 2004.
22. Monteux C., G.G. Fuller, V. Bergeron, Shear and dilatational surface rheology of oppositely charged polyelectrolyte/surfactant microgels adsorbed at the air–water interface. Influence on foam stability, J. Phys. Chem B 108(42) (2004) 16473–16482.
23. Perez–Orozco J.P., C.I. Beristain, G. Espinosa–Paredes, C. Lobato–Calleros, E.J. Vernon–Cartes, Interfacial shear rheology of interacting carbohydrate polyelectrolytes at the water–oil interface using an adapted conventional rheometer, Carbohydrate Polym. 57(1) (2004) 45–54.
24. Saint–Jalmes A., Y. Zhang, D. Langevin, Quantitative description of foam drainage: transitions with surface mobility, Europ. Phys. J E 15(1) (2004) 53–60.
25. Pitois O., C. Fritz, M. Vignes–Adler, Hydrodynamic resistance of a single foam channel, Colloids Surfaces A 261(1–3) (2005) 109–114.
26. Pitois O., C. Fritz, M. Vignes–Adler, Liquid drainage through aqueous foam: study of the flow on the bubble scale, J. Colloid Interface Sci. 282(2) (2005) 458–465.
27. Stevenson P., Remarks on the shear viscosity of surfaces stabilised with soluble surfactants, J. Colloid Interface Sci. 290(2) (2005) 603–606.
28. Watarai H., S. Tsukahara, Single molecule diffusion and metal complex formation at liquid/liquid interfaces, in: Interfacial Nanochemistry, Springer, 2005, Ch. 10, 205–231.
29. Anguelouch A., R.L. Leheny, D.H. Reich, Application of ferromagnetic nanowires to interfacial microrheology, Appl. Phys. Lett. 89(11) (2006) Art. No. 111914

30. Benevitti D., M.N. Belgacem, B. Carre, Influence of surfactant structure on bubble size and foaming in bubble columns: focus on flotation de−inking, Nordic Pulp and Paper Research Journal 21(5) (2006) 702−709.
31. Fritz C., Transport de Liquide et de Particules dans Un Bord de Plateau, PhD Thesis (Directeur de these Michèle Adler), Université de Marne−La−Vallée, Paris, France, 2006.
32. Marze S., Couplages expérimentaux des propriétés interfaciales et volumiques des mousses aqueuses: les cas de l'imbibition en micropesanteur et de la rhéologie, PhD Thesis, Université Paris Sud – Paris XI, 2006.
33. Orozco J.P.P., Estudio de la asorcion competitiva entre polielectrolitos y tensoactivos, PhD Thesis, Universidad Autonoma Metropolitana, 2006.
34. Saint−Jalmes A., Physical chemistry in foam drainage and coarsening, Soft Matter 2(10) (2006) 836–849.
35. Nijenhuis K., G. McKinley, S. Spiegelberg, H. Barnes, N. Aksel, L. Heymann, J. Odell, Non-Newtonian Flows, in: Handbook of Experimental Fluid Mechanics, Springer, 2007, 619−743.
36. Bano M., M. Pudlak, Z. Tomori, E. Demjn, I. Hrmo, H. Bothova, A novel surface shear viscometer, Review of Scientific Instruments 79(4) (2008) art. no. 045102.
37. Kragel J., S.R. Derkatch, R. Miller, Interfacial shear rheology of protein–surfactant layers, Advances in Colloid and Interface Science 144(1−2) (2008) 38−53.
38. Derkach S.R., J. Kragel, R. Miller, Methods of Measuring Rheological Properties of Interfacial Layers (Experimental Methods of 2D Rheology), Colloid Journal 71(1) (2009) 1−17.
39. Interfacial Rheology, R. Miller and L. Liggiery Eds., 2009, Ch. 10.
40. Kotsmar Cs., V. Pradines, V.S. Alahverdjieva, E.V. Eksenenko, V.B. Fainerman, V.I. Kovalchuk, J. Kragel, R. Miller, Thermodynamics, adsorption kinetics and rheology of mixed protein–surfactant interfacial layers, Advances in Colloid and Interface Science 150(1) (2009) 41−54.
41. Ally J., A. Amirfazli, Magnetophoretic measurement of the drag force on partially immersed microparticles at air–liquid interfaces, Colloids ad Surfaces A: Physicochemical and Enginnering Aspects 360(1−3) (2010) 120−128.
42. Ally J.M., Magnetically targeted deposition and retention of particles in the airways for drug delivery, PhD Thesis, Edmonton, Alberta, 2010.
43. Lewadnowski E.P., M. Cavallaro, L. Botto, J.C. Bernate, V. Garbin, K.J. Stebe, Orientation and Self–Assembly of Cylindrical Particles by Anisotropic Capillary Interactions, Langmuir 26(19) (2010) 15142−15154.
44. Diaz C., Adherencia y colonización de Pseudomonas fluorescens sobre sustratos sólidos: influencia de la topografía y composición química de la superficie, Instituto de Investigaciones Fisicoquímicas Teóricas y Aplicadas (INIFTA), Argentina, 2011.
45. Pozrikidis C., A floating prolate spheroid, J. Colloid Interface Science 364(1) (2011) 248–256.
46. Sheid B., S. Dorbolo, Antibubble dynamcisL slipping or viscous interfaces? AFM, Maison de la Mécanique, 39/41, 2011.
47. Mayer H.C., Krechetnikov R., Landau-Levich flow visualization: revealing the flow topology responsible for the film thickening phenomena, Physics of Fluids 24(5) (2012) Art. 052103.
48. Nonnekes L.E., S.J. Cox, W.R. Rossen, A 2D model for the effect of gas diffusion on mobility of foam for EOR, 13th European Conference on the Mathematics of oil Recovery, 2012.
49. Scheid B., S. Dorbolo, L.R. Arriaga, E. Rio, Antibubble dynamics: The drainage of a air film with viscous interfaces, Physical Review Letters 109 (2012) Art. No. 264502.
50. Adami N., Surface tension and buoyancy in vertical soap films, PhD Thesis, Faculty of Sciences, Physics Department, University of Liege, 2013.
51. Mezzenga R., P. Fischer, The self-assembly, aggregation, and phase transitions of food protein systems in one, two, and three dimensions, Reports on Progress in Physics 76(4) (2013) Art. No. 046601.
52. Langevin D., Surface shear rheology of monolayers at the surface of water, Adv. Colloid Interface Sci. 207(1) (2014) 121−130.
53. Leung A.H.M., E.L. Prime, D.N.H. Tran, Q. Fu, A.J. Chistofferson, G. Yiapanis, I. Yarovsky, G.G. Quiao, D.H. Solomon, Dynamic performance of duolayers at the air/water interfaces: 1. Experimental analysis, The Journal of Physical Chemistry B 118(37) (2014) 10919−10926.
54. Wilke N., Lipid monolayers at the air-water interface. A tool for understanding electrostatic interactions and rheology in biomembranes, Advances in Planar Lipid Bilayers and Liposomes 20 (2014) 51−81.
55. Zell Z.A., A. Nowbahar, V. Mansard, L.G. Leal, S.S. Deshmukh, J.M. Mecca, C.J. Tucker, T.M. Squires, Surface shear inviscidity of soluble surfactants, Proceedings of the National Academy of Sciences of USA 111(10) (2014) 3677–3682.
56. Zhu R., Y. Lai, V. Nguyen, R. Yang, Scalable alignment and transfer of nanowires in a spinning Langmuir film, Nanoscale 6(20) (2014) 11976−11980.

57. Bournival G., S. Ata, E.J. Wanless, The role of particles in multiphase processes, Advances in Colloid and Interface Science 225 (2015) 114–133.
58. Gauchet S., M. Durand, D. Langevin, Foam drainage. Possible influence of a non-newtonian surface shear viscosity, Journal of Colloid and Interface Science 449 (2015) 373–376.
59. Nasiri M., R. Scrivasar, T. Saghaei, A. Ramos, Simulation of liquid film motor: a charge induction mechanism, Microfluidics and Nanofluidics 19(1) (2015) 133–139.
60. Schenck D.M., Submersion and lateral transport of microparticles at a lung surfactant interface on model mucus hydrogel, PhD Thesis, University of Iowa, 2015.
61. Xue Z., Stability and rheology of high internal phase of Co2-in-water foams and stability and transport of polymer grafted nanoparticles, PhD Thesis, University of Texas at Austin, 2015.
62. Zhu R., Piezoelectrci nanostructures – synthesis, alignment, and electrical response to strain, PhD Thesis, University of Minnesota, 2015.
63. Ponce-Torres A., M.A. Herrada, J.M. Montanero, J.M. Vega, Linear and nonlinear dynamics of an insoluble surfactant-laden liquid bridge, Physics of Fluids 28 (2016) Art. No. 112103.
64. Timounay Y., Rhéologie d'interfaces liquide/air chargées de grains Vers la consolidation d'un milieu aéré, PhD Thesis, Universitet Paris-Est, 2016.
65. Ulaganathan V., Molecular fundamentals of foam fractionation, PhD Thesis, Potsdam University, 2016.
66. Vitasari D., P. Grassia, P. Martin, Surfactant transport onto a foam film in the presence of surface viscous stress, Applied Mathematical Modeling 40(3) (2016) 1941–1958.
67. Xue Z., A. Worthen, A. Quajar, I. Robert, S.L. Bryant, C. Huh, M. Prodanovic, K.P. Johnston, Viscosity and stablitiy of ultra-high internal phase CO2-in-water foams stabilized with surfactants and nanoparticles with or without polyelectrolytes, Journal of Colloid and Interface Science 461 (2016) 383–395.
68. Zell Z.A., V. Mansard, J. Wright, K.H. Kim, S.Q. Choi, T.M. Squires, Linear and nonlinear microrheometry of small samples and interfaces using microfabricated probes, Journal of Rheology 60(1) (2016) 141–159.
69. Maali A., R. Boisgard, H. Chraibi, Z. Zhang, H. Kellay, A. Wurger, Visoelastic drag forces and crossover from no-slip to slip boundary conditions for flow near air-water interfaces, Physical Review Letters 118 (2017) Art. No. 084501.
70. Timounai Y., F. Rouyer, Viscosity of particulate soap films: Approaching a jamming of 2D capillary suspensions, Soft Matter 13(18) (2017) 3449–3456.
71. Vidal A., L. Botto, Slip flow past a gas-liquid interface with embedded solid particles, Journal of Fluid Mechanics 813 (2017) 152–174.
72. Koursari N., O. Arjimandi-Tash, P. Johnson, A. Trybala, V.M. Starov, Foam drainage placed on a thin porous layer, Soft Matter 15(26) (2019) 5331–5344.
73. Li J., Y. Liu, M. Wang, T. Jiang, J. Gou, H. Ding, P.S. Kollipara, Y. Ionoue, D. Fan, B.A. Korgel, Y. Zheng, Optical nanomanipulation on solid substrates via optothermally-gated photon nudging, Nature Communications 10 (2019) Art. No. 5672.
74. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
75. Zhang Z., Nano-rheology at soft interfaces probed by atomic force microscope, PhD Thesis, Bordeaux University, 2020.
76. Zhang Z., Y. Wang, Y. Amarouchene, R. Boisguard, H. Kellay, A. Wurger, A. Maali, Near-field probe of thermal fluctuation of a hemispherical bubble surface, Physical Review Letters 126 (2021) Art. No. 174503.

043 N.D. Denkov, D.N. Petsev, K.D. Danov, Flocculation of deformable emulsion droplets. I. Droplet shape and line tension effects, J. Colloid Interface Sci. 176 (1995) 189–200. (**Citations: 42**)

1. Aveyard R., J.H. Clint, Foam and thin film breakdown processes, Curr. Opin. Colloid Interface Sci. 1(6) (1996) 764–770.
2. Binks B.P., Emulsions, in: Annual Reports, The Royal Society of Chemistry, Section C, 92 (1996) 97–133.
3. Drelich J., The significance and magnitude of the line tension in three–phase (solid–liquid–fluid) systems, Colloids Surfaces A 116(1–2) (1996) 43–54.
4. Gurkov T.D., P.A. Kralchevsky, Mechanics and thermodynamics of interfaces, thin liquid films and membranes, J. Dispersion Sci. Technology 18(6–7) (1997) 609–623.
5. Ivanov I.B., P.A. Kralchevsky, Stability of emulsions under equilibrium and dynamic conditions, Colloids Surfaces A 128(1–3) (1997) 155–175.
6. Yin H.B., H. Shibata, T. Emi, M. Suzuki, Characteristics of agglomeration of various inclusion particles on molten steel surface, ISIJ International 37(10) (1997) 946–955.
7. Binks B.P., in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998, Ch. 1.

8. Miklavcic S.J., Perturbation analysis of droplet deformation under electric double layer forces, Phys. Rev. E 57(1) (1998) 561–568.
9. Aveyard R., B.P. Binks, J. Esquena, P.D.I. Fletcher, R. Buscall, S. Davies, Flocculation of weakly charged oil–water emulsions, Langmuir 15(4) (1999) 970–980.
10. Saether O., J. Sjoblom, S.V. Verbich, et al., A videomicroscopic investigation of coupled reversible flocculation and coalescence at singlet–doublet equilibrium in an O/W emulsion of low density contrast, J. Dispersion Sci. Technology 20(1–2) (1999) 295–314.
11. Urbina–Villalba G., M. Garcia–Sucre, Brownian dynamics simulation of emulsion stability, Langmuir 16(21) (2000) 7975–7985.
12. Dukhin S.S., J. Sjoblom, D.T. Wasan, O. Saether, Coalescence coupled with either coagulation or flocculation in dilute emulsions, Colloids Surfaces A 180(3) (2001) 223–234.
13. Dukhin S.S., O. Saether, J. Sjoeblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, 71–93.
14. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 2.
15. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 3.
16. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 5.
17. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
18. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
19. Aveyard R., B.P. Binks, J. Esquena, P.D.I. Fletcher, P. Bault, P, Villa, Flocculation transitions of weakly charged oil–in–water emulsions stabilized by different surfactants, Langmuir 18(9) (2002) 3487–3494.
20. Kang K.H., I.S. Kang, C.M. Lee, Electrostatic contribution to line tension in a wedge–shaped contact region, Langmuir 19(22) (2003) 9334–9342.
21. Lahnsteiner F., P. Patarnello, The shape of the lipid vesicle is a potential marker for egg quality determination in the gilthead seabream, Sparus aurata, and in the sharpsnout seabream, Diplodus puntazzo, Aquaculture 246(1–4) (2005) 423–435.
22. Takata Y., H. Matsubara, Y. Kikuchi, N. Ikeda, T. Matsuda, T. Takiue, M. Aratono, Line tension and wetting behaviour of an air/hexadecane/aqueous surfactant system, Langmuir 21(19) (2005) 8594–8596.
23. Avila C., Interfacial phenomena in oil-water dispersions, PhD Thesis, Tulusa University, 2006.
24. Filip–Boar D., AFM–CSLM microrheology of aggregated emulsions, PhD Thesis, University of Twente, 2006.
25. Garrett P.R., S.P. Wicks, E. Fowles, The effect of high volume fractions of latex particles on foaming and antifoam action in surfactant solutions, Colloids Surfaces A 282–283 (2006) 307–328.
26. Kottke P.A., A. Saillard, A.G. Fedorov, Drop growth and transition to coalescence in confined geometries, Langmuir 22(13) (2006) 5630–5635.
27. Lozsan A., M. Garcia–Sucre, G. Urbina–Villalba, Theoretical estimation of stability ratios for hexadecane–in–water (H/W) emulsions stabilized with nonylphenol ethoxylated surfactants, J. Colloid Interface Sci. 299(1) (2006) 366–377.
28. Urbina–Villalba G., A. Lozsan, J. Toro–Mendoza, K. Rahn, M. Garcia–Sucre, Aggregation dynamics in systems of coalescing non–deformable droplets, J. Molecular Structure – Theochem 769(1–3) (2006) 171–181.
29. Wendt T., Herstellung flüssigkeitshaltiger pulverförmiger Komposite, PhD Thesis, Cuvillier Verlag, 2007.
30. Sanfeld A., A. Steinchen, Emulsion stability, from dilute to dense emulsion – Role of drops deformation, Advances in Collloid and Interface Science 140(1) (2008) 1–65.
31. Foudazi R., Models for structure rheology of highly concentrated emulsions, PhD Thesis, CPUT, 2009.
32. Nespolo S.A., G. Stevens, Interfacial forces: Colloidal particle - liquid, in: Encyclopedia in Nanoscience and Nanotechnology, 2009.
33. Urbina–Villalba G., An algorithm for emulsion stability simulations: account of flocculation, coalescence, surfactant adsorption and the process of Ostwald ripening, Int. J. Mol. Sci. 10 (2009) 761–804.

34. Foudazi R., I. Masalova, A. Ya. Malkin, The role of interdroplet interaction in the physics of highly concentrated emulsions, Colloid Journal 72(1) (2010) 74–92.
35. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
36. Long T., C.A. Ramsburg, Encapsulation of nZVI particles using a Gum Arabic stabilized oil-in-water emulsion, Journal of Hazardous Materials 189(3) (2011) 801–808.
37. Osorio P., G. Urbina–Villalba, Influence of drop deformability on the stability of devane-in-water emulsions, J. Surfactants and Detergents 14(2) (2011) 281–300.
38. Matsubara H., M. Aratono, Surface forces in wetting phenomena in fluid systems, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 165–182.
39. Ban T., T. Yamagami, Y. Furumichi, Transient pore dynamics in pH-responsive liquid membrane, Langmuir 28(29) (2012) 10682–10687.
40. Long T., C.A. Ramsburg, Gum arabic encapsulation of reactive particles for enhanced delivery during subsurface restoration, Patent Cooperation Traety Application, June 2012.
41. Matsubara H., M. Aratono, Wetting transition and line tension of oil on water, Understanding Complex Systems (2013) 259–274.
42. Dizaj S.M., S. Yaqoubi, K. Adibkia, F. Lotfipour, Nanoemulsion-based delivery systems: preparation and application in the food industry, in: Emulsions (2016) 293–328.

042 K.D. Danov, R. Aust, F. Durst, U. Lange, Slow motions of a solid spherical particle close to a viscous interface, Int. J. Multiphase Flow 21(6) (1995) 1169–1189. (**Citations: 12**)

1. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
2. Zapryanov Z., S. Tabakova, Dynamics of Bubbles, Drops and Rigid Particles, Kluwer Acad. Publ., 1999.
3. Timberlake B.D., Free–Surface Film Flow of a Suspension and a Related Concentration Instability, School of Chemical and Biomolecular Engineering, Georgia Institute of Technology, 2004.
4. Fritz C., Transport de Liquide et de Particules dans Un Bord de Plateau, PhD Thesis (Directeur de these Michèle Adler), Université de Marne–La–Vallée, Paris, France, 2006.
5. Lightfoot M.D.A., A fundamental classification of atomization processes, Airforce Researc Laboratory, Edward, CA, 2008, PA 08246A.
6. Lightfoot M.D.A., Fundamental classification of atomization processes, Atomization and Sprays 19(11) (2009) 1065–1104.
7. Pitois O., C. Fritz, L. Pasol, M. Vignes–Adler, Sedimentation of a sphere in a fluid channel, Physics of Fluids 21(10) (2009) art. no. 103304.
8. Rouyer F., Quelques études de la physique des écoulements d'une mousse et dans une mousse, PhD Thesis, Universitet Paris-Est, 2011.
9. Tamura J., M. Hasegawa, K. Goto, K. Mochiji, K. Mortani, N. Inui, Weighing a simgle Brownian particle in a droplet, Journal of the Physical Society of Japan 84(8) (2015) Art. No. 084001.
10. Daddi-Mousa-Ider A., M. Lisicki, S. Gekle, A.M. Menzel, H. Lowen, Hydrodynamic coupling and rotational mobilities near plannar elastic membranes, Journal of Chemical Physics 149(1) (2018) Art. No. 014901.
11. Daddi-Mousa-Ider A., S. Gekle, Brownian motion near an elastic cell membrane: A theoretical study, European Physical Journal E 41(2) (2018) Art. No. 19.
12. Raturi S., S. Datta, B.V.R. Kumar, Slow viscous flow past cylindrical particles with thin liquid layer: cell model, European Journal of Mechanics B 71 (2018) 151–159.

041 K. Danov, R. Aust, F. Durst, U. Lange, Influence of the surface viscosity on the hydrodynamic resistance and surface diffusivity of a large Brownian particle, J. Colloid Interface Sci. 175 (1995) 36–45. (**Citations: 109**)

1. Hidalgo–Alvarez R., A. Martin, A. Fernandez, F. Martinez, F.J. de Ias Nieves, Electrokinetic properties, colloidal stability and aggregation kinetics of polymer colloids, Adv. Colloid Interface Sci. 37 (1996) 1–118.
2. Denkov N.D., P.A. Kralchevsky, I.B. Ivanov, Lateral capillary forces and two–dimensional arrays of colloid particles and protein molecules, J. Dispersion Sci. Technology 18(6–7) (1997) 577–591.
3. Barentin C., C. Ybert, J.M. di Meglio, J.F. Joanny, Surface shear viscosity of Gibbs and Langmuir monolayers, J. Fluid Mech. 397 (1999) 331–349.

4. Dimova R., C. Dietrich, B. Pouligny, Motion of particles attached to giant vesicle: falling ball viscosimetry and elasticity measurements on lipid membranes, in: P. Walde, P. Luisi (Eds.), Giant Vesicles, John Willey & Sons, New York, 1999, p. 221.
5. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
6. Maenosono S., C.D. Dushkin, Y. Yamaguchi, Direct measurement of the viscous force between two spherical particles trapped in a thin wetting film, Colloid Polym. Sci. 227(10) (1999) 993–996.
7. Barentin C., P. Muller, C. Ybert, Shear viscosity of polymer and surfactant monolayers, Eur. Phys. J. E 2(2) (2000) 153−159.
8. Dimova R., B. Pouligny, C. Dietrich, C., Pretransitional effects in dimyristoylphosphadylcholine vesicle membranes: optical dynamometry study, Biophys. J. 79(1) (2000) 340–356.
9. Kralchevsky P.A., K. Nagayama, Capillary interactions between particles bound to interfaces, liquid films and biomembranes, Adv. Colloid Interface Sci. 85(2–3) (2000) 145–192.
10. Wurlitzer S., P. Steffen, T.M. Fischer, Line tension of Langmuir monolayer boundaries determined with optical tweezers, J. Chem. Phys. 112(13) (2000) 5915−5918.
11. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two−Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 8.
12. Stoyanov S.D., N.D. Denkov, Role of surface diffusion for the drainage and hydrodynamic stability of thin liquid films, Langmuir 17(4) (2001) 1150−1156.
13. Petkov J., N.D. Denkov, Dynamics of particles on interfaces and thin liquid films, In: Encyclopedia of Surface and Colloid Science, A. Hubbard, Ed.; Marcel Dekker, New York, 2001.
14. Aveyard R., B.P. Binks, H.J. Clint, P.D.I. Fletcher, T.S. Horozov, B. Neumann, V.N. Paunov, J. Annesley, S.W. Botchway, D. Nees, A.W. Parker, A.D. Ward, A.N. Burgess, Measurment of long−range repulsive forces between charged particles at an oil−water interface, Phys. Rev. Lett. 88(24) (2002) Art. No. 246102.
15. Aveyard R., B.P. Binks, J.H. Clint, P.D.I. Fletcher, B. Neumann, V.N. Paunov, J. Annesley, S.W. Botchway, A.W. Parker, A.D. Ward, Drag force on a stationary particle in flowing two−dimensional ordered particle monolayers: simulation and measurements using optical tweezers, Langmuir 18(24) (2002) 9587−9593.
16. Joseph D.D., J. Wang, R. Bai, B.H. Yang, H.H. Hu, Particle motion in a liquid film rimming the inside of a partially filled rotating cylinder, J. Fluid Mech. 496 (2003) 139–163.
17. Sickert M., F. Rondelez, Shear viscosity of Langmuir monolayers in the low−density limit, Phys. Rev. Lett. 90(12) (2003) Art. No. 126104.
18. Fischer T.M., Comment on "Shear viscosity of Langmuir monolayers in the low−density limit", Phys. Rev. Lett. 92(13) (2004) Art. No. 139603.
19. Sickert M., F. Rondelez, Comment on "Shear viscosity of Langmuir monolayers in the low−density limit" − Reply, Phys. Rev. Lett. 92(13) (2004) Art. No. 139604.
20. Haris S.S., T.D. Giorgio, Convective flow increases lipoplex delivery rato to in vitro cellular monolayers, Gene Therapy 12(6) (2005) 512−520.
21. Khattari Z., Y. Ruschel, H.Z. Wen, A. Fischer, T.M. Fischer, Compactification of a myelin mimetic Langmuir monolayer upon adsorption and unfolding of myelin basic protein, J. Phys. Chem. B 109(8) (2005) 3402−3407.
22. Loudet J.C., A.M. Alsayed, J. Zhang, A.G. Yodh, Capillary interactions between anisotropic colloidal particles, Phys. Rev. Lett. 94(1) (2005) Art. No. 018301.
23. Menneson E., Transendothelial crossing of genes: dynamic studies of polyplexes specific crossing over pulmonary endothelium, PhD Thesis, Université d'Orléans, 2005.
24. Singh P., D.D. Joseph, Fluid dynamics of floating particles, J. Fluid Mech. 530 (2005) 31−80.
25. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Capillary forces between spherical particles floating at a liquid−liquid interface, Langmuir 21(24) (2005) 11190−11200.
26. DeWitt J.M., The characterization of surface diffusion by digital particle tracking, PhD Thesis, Oklahoma State University, 2006.
27. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451−475.
28. Interfacial Rheology, R. Miller and L. Liggiery Eds., 2006, Ch. 10.
29. Vassileva N.D., Behavior of Two−Dimensional Aggregates in Shear Flow, PhD Thesis, Group of Complex Fluids, University of Twente, The Netherlands, August 2006.
30. Bonales L.J., H. Ritacco, J.E.F. Rubio, R.G. Rubio, F. Monroy, F. Ortega, Dynamics of ultrathin films: particle tracking microrheology of Langnuir monolayes, Open Phys. Chem. J. 1 (2007) 25−32.

31. Dimova R., C. Dietrich, B. Pouligny, Motion of particles attached to giant vesiclesL falling ball viscosimetry and elasticity measurements on lipid membranes, Giant Vesicles: Perspectives in Supramolecular Chemistry 6 (2007) 221–229.
32. Sickert M., F. Rondelez, H.A. Stone, Single-particle brownian dynamics for characterizing the rheology of fluid Langmuir monolayers, EPL 79(16) (2007) Art. No. 66005.
33. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Chemistry and Biochemistry, Florida State University, 2008.
34. Chen W., P. Tong, Short–time self–diffusion of weakly charged silica spheres at aqueous interfaces, EPL 84(2) (2008) Art. No. 28003.
35. Park B.J., E.M. Furst, Optical trapping forces for colloids at the oil-water interface, Langmuir 24(23) (2008) 13382–13392.
36. Peng Y., W. Chen, Th.M. Fisher, D.A. Weitz, P. Tong, Short–time self–diffusion of nearly hard spheres at an oil–water interface, Journal of Fluid Mechanics 618 (2009) 243–261.
37. Ally J., A. Amirfazli, Magnetophoretic measurement of the drag force on partially immersed microparticles at air–liquid interfaces, Colloids and Surfaces A: Physicochemical and Enginnering Aspects 360(1–3) (2010) 120–128.
38. Ally J., A. Amirfazli, Review: The status of magnetic aerosol drug targeting in the lung, AIP Conference Proceedings 1311 (2010) 307–316.
39. Ally J.M., Magnetically targeted deposition and retention of particles in the airways for drug delivery, PhD Thesis, Edmonton, Alberta, 2010.
40. Blawzdziewicz J., M.L. Ekiel–Jeewska, E. Wajnryb, Hydrodynamic coupling of spherical particles to a planar fluid–fluid interface: Theoretical analysis, J. Chemical Physics 133(11) (2010) Art. No. 114703.
41. Blawzdziewicz J., M.L. Ekiel–Jeewska, E. Wajnryb, Motion of a spherical particle near a planar fluid–fluid interface: The effect of surface incompressibility, J. Chemical Physics 133(11) (2010) Art. No. 114702.
42. Bonales L.J., A. Maestro, R.G. Rubio, F. Ortega, Microrheology of complex fluids, In: Hydrodynamics: Advanced Topics, 2010, Ch. 7.
43. Lee M.H., D.H. Reich, K.J. Stebe, R.L. Leheny, Combined passive and active microrheology study of protein–layer formation at an air–water interface, Langmuir 26(4) (2010) 2650–2658.
44. Lewadnowski E.P., M. Cavallaro, L. Botto, J.C. Bernate, V. Garbin, K.J. Stebe, Orientation and Self–Assembly of Cylindrical Particles by Anisotropic Capillary Interactions, Langmuir 26(19) (2010) 15142–15154.
45. Murakami D., U. Langer, Z. Khatarri, T.M. Fischer, Fluorinated Langmuir monolayers are more viscous than non–fluorinated monolayers, Journal of Physical Chemistry B 114(16) (2010) 5376–5379.
46. Ortega F., H. Ritacco, R.G. Rubio, Interfacial microrjeology: particle tracking and related techniques, Current Opinnion in Colloid and Inreface Science 15(4) (2010) 237–245.
47. Singh P., D.D. Joseph, N. Aubry, Dispersion and attraction of particles floating on fluid–liquid surfaces, Soft Matter 6(18) (2010) 4310–4325.
48. Wilke N., F. Vega Merkado, B. Maggio, Rheological properties of a two phase lipid monolayer at the air/water interface: Effect of the composition of the mixture, Langmuir 26(3) (2010) 11050–11059.
49. Bonales L.J., A. Maestro, R.G. Rubio, F. Ortega, Microrheology of complex fluids, in: Hydrodynamics: Advanced Topics, 2011, Ch. 7.
50. Gehring T., T.M. Fischer, Diffusion of nanoparticles at an air/water interface is not invariant under a reversal of the particle charge, Journal of Physical Chemistry C 115(48) (2011) 23677–23681.
51. Park C.Y., H.D. Qu-Yang, M.W. Kim, Interface shear microrheometer with an optically driven oscillating probe particlw, Review of Scientific Instruments 82(9) (2011) Art. No. 094702.
52. Pozrikidis C., A floating prolate spheroid, J. Colloid Interface Science 364(1) (2011) 248–256.
53. Roche M., H. Kellay, Pinch-off in the presence of surface-active polymers, EPL 95(5) (2011) Art. No. 54003.
54. Abras D., G. Pranami, N.L. Abbott, The mobilities of micro- and nano-particles at interfaces of nematic liquid crystals, Soft Matter 8(6) (2012) 2026–2035.
55. Du K., J.A. Liddle, A.J. Berglund, Three-dimensional real-time tracking of nanoparticles at an oil-water interface, Langmuir 28(25) (2012) 9181–9188.
56. Pozrikidis C., Capillary attraction of floating rods, Engineering Analysis with Boundary Elements 36(5) (2012) 836–844.
57. Cohin Y., M. Fisson, K. Jourde, G.G. Fuller, N. Sanson, L. Talini, C. Monteux, Tracking the interfacial dynamics of PNiPAM soft microgels particles adsorbed at the air-water interface and in thin liquid films, Rheological Acta 52(5) (2013) 445–454.
58. Koynov K., H.-J. Butt, Particle and tracer diffusion in complex liquids, AIP Conference Proceedings 1518 (2013) 357–364.

59. Morse J., A. Huang, G. Li, M.R. Maxey, J.X. Tang, Molecular adsorption steers bacterial swimming at the air/water interface, Biophysical Journal 105(1) (2013) 21–28.
60. Park B.J., D. Lee, Spontaneous particle transport through a triple-fluid phase boundary, Langmuir 29(31) (2013) 9662–9667.
61. Sinha A., A.K. Mollah, S. Hardt, R. Ganguly, Particle dynamics and separation at liquid-liquid interfaces, Soft Matter 9(22) (2013) 5438–5447.
62. Cao Z., D. Wang, H.-J. Butt, Diffusion of isolated surface-active molecules at the air/water interface, Colloid and Polymer Science, 292(8) (2014) 1817–1823.
63. Maestro A., Guzman E., Ortega F., Rubio R.G., Contact angle of micro- and nanoparticles at fluid interfaces, Current Oppinion in Colloid and Interface Science 19(4) (2014) 355–367.
64. Memdoza A.J., E. Guzman, F. Martines-Pedrero, H. Ritacco, R.G. Rubio, F. Ortega, V.M. Starov, R. Miller, Particle laden fluid interfaces: dynamics and interfacial rheology, Advances in Colloid and Interface Science 206 (2014) 303–319.
65. Samaniuk J.R., J. Vermant, Micro and macrorheology at fluid-fluid interfaces, Soft Matter 10(36) (2014) 7023–7033.
66. Zell Z.A., A. Nowbahar, V. Mansard, L.G. Leal, S.S. Deshmukh, J.M. Mecca, C.J. Tucker, T.M. Squires, Surface shear inviscidity of soluble surfactants, Proceedings of the National Academy of Sciences of USA 111(10) (2014) 3677–3682.
67. Boniello G., Mouvement brownien des particules colloidales partiellement mouillees, PhD Thesis, Universite Montpellier II, 2015.
68. Boniello G., C. Bianc, D. Fedorenko, M. Medfai, N.B. Mbarek, M. In, M. Gross, A. Stocco, M. Nobili, Brownian diffusion of a partially wetted colloid, Nature Materials 14(9) (2015) 908–911.
69. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290–13302.
70. Dorr A., S. Hardt, Driven particles at fluid interfaces acting as capillary dipoles, Journal of Fluid Mechanics 770 (2015) 5–26.
71. Grande J., Finite element discretization arror analysis of the general interfacial stress functional, SIAM Journal of Numerical Analysis 53(3) (2015) 1236–1255.
72. Kajorndejnukul V., Conservation laws and electromagnetic interactions, Phd Thesis, University of Central Florida, 2015.
73. Park C.Y., M.W. Kim, Dynamic mechanical properties of a polyelectrolyte adsorbed insoluble lipid monolayer at the air-water interface, Journal of Physical Chemistry B 119(16) (2015) 5315–5320.
74. Petkov J.T., N.D. Denkov, Thin liquid films and interfaces: particle dynamics, in: Encyclopedia of Syrface and Colloid Science, 2015, 7399–7414.
75. Schenck D.M., Submersion and lateral transport bahavior of microparticles at a lung surfactant interface on model mucus hydrogels, PhD Thesis, University of Iowa, 2015.
76. Stone H., H. Masoud, Mobility of membrane-trapped particles, Journal of Fluid Mechanics 781 (2015) 494–505.
77. Sukhov S., V. Kajorndejnukul, R.R. Naraghi, A. Dogariu, Dynamic consequences of optical spin-orbit interaction, Nature Photonics 9(12) (2015) 809–812.
78. Tamura J., M. Hasegawa, K. Goto, K. Mochiji, K. Mortani, N. Inui, Weighing a simgle Brownian particle in a droplet, Journal of the Physical Society of Japan 84(8) (2015) Art. No. 084001.
79. Boniello G., A. Stocco, M. Gross, M. In, C. Blanc, M. Nobili, Translational viscous drag of an ellipsoid straddling an interface between two fluids, Physical Review E 94 (2016) 012602.
80. Cappelli S., A.M. De Jong, J. Boundry, M.W.J. Prins, Interfacial rheometry of polymer at a water-oil interface by intra-pair magnetophoresis, Soft Matter 12(25) (2016) 5551–5562.
81. Cappelli S., Magnetic particles at fluid-fluid interfaces: microrheology, interaction and wetting, PhD Thesis, Technical University, Eidhoven, 2016.
82. Dorr A., S. Hardt, H. Masoud, H.A. Stone, Drag and diffusion coefficients of a spherical particle attached to a fluid-fluid interface, Journal of Fluid Mechanics 790 (2016) 607–618.
83. Elfring G.J., L.G. Leal, T.M. Squires, Surface viscosity and Marangoni stresses at surfactant laden interfaces, Journal of Fliud Mehcanics 792 (2016) 712–739.
84. Girot A., N. Danne, A. Wurger, T. Bickel, F. Ren, J.C. Loudet, B. Pouligny, Motion of optically heated spheres at the water-air interface, Langmuir 32(11) (2016) 2687–2697.
85. Rahmani A.M., A. Wang, V.N. Manoharan, C.E. Colosqui, Colloidal particle adsorption at liquid interfaces: Capillary driven dynamics and thermally activated kinetics, Soft Matter 12(30) (2016) 6365–6372.
86. Shigyou K., K.N. Nagai, T. Hamada, Lateral diffusion of submicrometer particle on a lipid bylayer membrane, Langmuir 32(51) (2016) 13771–13777.

87. Waigh T.A., Advances in the microrheology of complex fluids, Reports on Porgress in Physics 79 (2016) Art. No. 074601.
88. Wei W.-S., M.A. Gharbi, M.A. Lohr, T. Still, M.D. Gratale, T.C. Lubensky, K.J. Stebe, A.G. Yodh, Dynamics of ordered colloidal particle monolayers at nematic liquid crystal interfaces, Soft Matter 12 (21) (2016) 4715–4724.
89. Zell Z.A., V. Mansard, J. Wright, K. Kim, S.Q. Choi, T.M. Squires, Linear and nonlinear microrheometry of small samples and interfaces using microfabricated probes, Journal of Rheology 60(1) (2016) 141–159.
90. Boniello G., A. Stocco, C. Blank, M. Nobili, Comment on “Brownian diffusion of a particle at an air/liquid interface: elastic (non viscous) response of a surface, Physical Chemistry Chemical Physics 19 (2017) 22592–22593.
91. Cappelli S., A.M. De Jong, J. Baudry, M.W.J. Prins, Interparticle capillary forces at fluid-fluid interface with strong polymer-induced aging, Langmuir 33 (2017) 696–705.
92. Huang S., K. Gawlitza, R. Von Klitzing, W. Steffen, G.K. Aurenhammer, Structure and rheology of microgel monolayers at the water/oil interface, Macromolecules 50(9) (2017) 3680–3689.
93. Vidal A., L. Botto, Slip flow past a gas-liquid interface with embedded solid particles, Journal of Fluid Mechanics 813 (2017) 152–174.
94. Van der Wel C., D. Heinrich, D.J. Kraft, microparticle assembly pathways on lipid membranes, Biophysical Journal 113(5) (2017) 1037–1046.
95. Auermhamer G., Magnetorheological gells in two and three dimensions: understanding the interplay between single particle motion, internal deformation, and matrix properties, Archive of Applied Mechanics (2018) 1–13.
96. Cristofolini L., D. Orsi, L. Isa, Characterization of the dynamics of interfaces and of interface-domited systems via spectroscopy and microscopy techniques, Current Opinion in Colloid and Interface Science 37 (2018) 13–32.
97. Daddi-Mousa-Ider A., S. Gekle, Brownian motion near an elastic cell membrane: A theoretical study, European Physical Journal E 41(2) (2018) Art. No. 19.
98. Dominquez A., Theory of anomalous collective diffusion in colloidal monolayers on a spherical interface, Physical Review E 97(2) (2018) Art. No. 022607.
99. Guzman E., J. Tajuelo, J.M. Pastor, M.A. Rubio, F. Ortega, R.G. Rubio, Sgear rheology of fluid interfaces: Closing the gap between macro- and micro-rheology, Current Oppinion in Colloid and Interface Science 37 (2018) 33–48.
100. Vasudevan S.A., Dynamics and wetting of heterogeneous colloids at liquid interfaces, PhD Thesis, ETH Zurich, 2018.
101. Vasudevan S.A., A. Rauch, M. Kroeger, M. Karg, L. Isa, Dynamics and wetting behavior of core-shell soft particles at a fluid-fluid interface, Langmuir 34(50) (2018) 15370–15382.
102. Laal-Dehghani N., G.F. Christopher, 2D stokesian simulation of particle aggregation at quiescent air/oil-water interfaces, Journal of Colloid and Interface Science 553 (2019) 259–268.
103. Mangiarotti A., V.V. Galassi, E.N. Puentes, R.G. Oliveira, M.G. Del Popolo, N. Wilke, Haponoids like sterols form compact but fluid films, Langmuir 35(30) (2019) 9848–9857.
104. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
105. Villa S., G. Boniello, A. Stocco, M. Nobili, Motion of micro- and nano-particles interacting with fluid interface, Advances Colloid Interface Science 248 (2020) Art. No. 102262.
106. Ji X., X. Wang, Y. Zhang, D. Zang, Interfacial viscoelasticity and jamming of colloidal particles at fluid-fluid interfaces: A review, Reports on Progress in Physics 82 (2020) Art. No. 126601.
107. Sanchez-Puga P., J. Tajuelo, J.M. Pastor, M.A. Rubio, Flow field-based data analysis in interfacial shear rheometry, Advances in Colloid and Interface Science 288 (2021) Art. No. 102332.
108. Jaensson N.O., P.D. Anderson, J. Vermant, Computational interfacial rheology, Journal of non-Newtonian Fluid Mechanics 290 (2021) Art. No. 104507.
109. Gidituri H., A. Wurger, K. Stratford, J.S. Lintuvuori, Dynamics of a spherical colloid at a liquid interface: A lattice Boltzmann study, Physics of Fluids 33 (2021) Art. No. 052110.

040 K.D. Danov, R. Aust, F. Durst, U. Lange, On the slow motion of an interfacial viscous droplet in a thin liquid layer, Chem. Eng. Sci. 50(18) (1995) 2943–2956. (**Citations: 3**)

1. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
2. Zapryanov Z., S. Tabakova, Dynamics of Bubbles, Drops and Rigid Particles, Kluwer Acad. Publ., 1999.
3. Raturi S., S. Datta, B.V.R. Kumar, Slow viscous flow past cylindrical particles with thin liquid layer: cell model, European Journal of Mechanics B 71 (2018) 151–159.

039 K.D. Danov, R. Aust, F. Durst, U. Lange, Influence of the surface viscosity on the drag and torque coefficients of a solid particle in a thin liquid layer, Chem. Eng. Sci. 50(2) (1995) 263–277. (**Citations: 14**)

1. Advani S.G., T.S. Creasy, Rheology of long discontinuous fiber thermoplastic composites, Rheology Series 8(C) (1999) 843–892.
2. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
3. Maenosono S., C.D. Dushkin, Y. Yamaguchi, Direct measurement of the viscous force between tow spherical particles trapped in a thin wetting film, Colloid Polym. Sci. 227(10) (1999) 993–996.
4. Zapryanov Z., S. Tabakova, Dynamics of Bubbles, Drops and Rigid Particles, Kluwer Acad. Publ., 1999.
5. Veerapaneni S., J.M. Wan, T.K. Tokunaga, Motion of particles in film flow, Environ. Sci. Technol. 34(12) (2000) 2465–2471.
6. Horozov T.S., R. Aveyard, J.H. Clint, B. Neumann, Particle zips: vertical emulsion films with particle monolayers at their surfaces, Langmuir 21(6) (2005) 2330–2341.
7. Fritz C., Transport de Liquide et de Particules dans Un Bord de Plateau, PhD Thesis (Directeur de these Michèle Adler), Université de Marne–La–Vallée, Paris, France, 2006.
8. Interfacial Rheology, R. Miller and L. Liggiery Eds., 2006, Ch. 10.
9. Pitois O., C. Fritz, L. Pasol, M. Vignes–Adler, Sedimentation of a sphere in a fluid channel, Physics of Fluids 21(10) (2009) art. no. 103304.
10. Botto L., E.P. Lewandowski, M. Cavallaro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957–9971.
11. Butt H.-J., C. Semprebon, P. Papadopoulus, D. Vollmer, M. Brinkmann, M. Ciccotti, Design principles for superamphiphobic surfaces, Soft Matter 9(2) (2013) 418–423.
12. Das S., J. Koplik, R. Farinato, D.R. Nagaraj, C. Maldarelli, P. Somasundaran, The translation and rotational dynamics of a colloid moving along the air-liquid interface of a thin film, Scientific Reports 8 (2018) Art. No. 8910.
13. Raturi S., S. Datta, B.V.R. Kumar, Slow viscous flow past cylindrical particles with thin liquid layer: cell model, European Journal of Mechanics B 71 (2018) 151–159.
14. Das S., J. Koplik, P. Somasundaran, C. Maldarelli, Pairwise hydrodynamic interactions of spherical colloids at a gas-liquid interface, Journal of Fluid Mechanics 915 (2021) Art. No. A99.

038 J.T. Petkov, N.D. Denkov, K.D. Danov, O.D. Velev, R. Aust, F. Durst, Measurement of the drag coefficient of spherical particles attached to fluid interfaces, J. Colloid Interface Sci. 172 (1995) 147–154. (**Citations: 69**)

1. Vincze A., R. Fata, M. Zrinyi, Z. Horvolgyi, J. Kertesz, Comparison of aggregation of rodlike and spherical particles: a fractal analysis, J. Chem. Phys. 107(18) (1997) 7451–7458.
2. Dimova R., Hydrodynamic Properties of Model Membranes Studied by Means of Optical Manipulation of Particles, PhD Thesis, Bordeaux Universite I, Bordeaux, France, 1999.
3. Maenosono S., C.D. Dushkin, Y. Yamaguchi, Direct measurement of the viscous force between two spherical particles trapped in a thin wetting film, Colloid Polym. Sci. 277(10) (1999) 993–996.
4. Kralchevsky P.A., K. Nagayama, Capillary interactions between particles bound to interfaces, liquid films and biomembranes, Adv. Colloid Interfaces 85(2–3) (2000) 145–192.
5. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 8.
6. Sur J., H.K. Pak, – , J. Korean Phys. Soc. 38(5) (2001) 582–585.
7. Sur J., H.K. Pak, Capillary force on colloidal particles in a freely suspended liquid thin film, Phys. Rev. Lett. 86(19) (2001) 4326–4329.
8. Vincze A., A. Agod, J. Kertesz, M. Zrinyi, Z. Horvolgyi, Aggregation kinetics in two dimensions: real experiments and computer simulations, J. Chem Phys. 114(1) (2001) 520–529.
9. Vincze A., Szilard mikroreszecskek aggregacioja folyadek-goz hatarfeluleten, PhD Thesis, Budapesti Muszaki es Gazdasagtudomanyi Egyetem, 2002.
10. Joseph D.D., J. Wang, R. Bai, B.H. Yang, H.H. Hu, Particle motion in a liquid film rimming the inside of a partially filled rotating cylinder, J. Fluid Mech. 496 (2003) 139–163.
11. Pell L.E., Controlled synthesis and characterization of silicon nanocrystals, PhD Thesis, University of Texas, 2004.

12. Voros M., A. Agod, P. Basa, M. Zrinyi, Z. Horvolgyi, Analysis of the cluster size distribution of two-dimensional aggregates in terms of polydispersity, From Colloids to Nanotechnology, Progress in Colloid and Polymer Science 125 (2004) 216–222.
13. Singh P., D.D. Joseph, Fluid dynamics of floating particles, J. Fluid Mech. 530 (2005) 31−80.
14. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Capillary forces between spherical particles floating at a liquid−liquid interface, Langmuir 21(24) (2005) 11190−11200.
15. Fischer T.M., P. Dhar, P. Heinig, The viscous drag of spheres and filaments moving in membranes or monolayers, J. Fluid Mech. 558 (2006) 451−475.
16. Vassileva N.D., Behavior of Two−Dimensional Aggregates in Shear Flow, PhD Thesis, Group of Complex Fluids, University of Twente, The Netherlands, August 2006.
17. Vassileva N.D., D. van den Ende, F. Mugele, J. Mellema, Restructuring and break−up of two−dimensional aggregates in shear flow, Langmuir 22(11) (2006) 4959−4967.
18. Grigoriev D.O., J. Kragel, V. Dutschk, R. Miller, H. Mohwald, Contact angle determination of micro− and nanoparticles at fluid/fluid interfaces: the excluded area concept, Phys. Chem. Chem. Phys. 9(48) (2007) 6447−6454.
19. Dhar P., Autonomous and guided motion of active components at interfaces, PhD Thesis, Department of Cjemistry and Biochemistry, Florida State University, 2008.
20. Ally J., A. Amirfazli, Review: The status of magnetic aerosol drug targeting in the lung, AIP Conference Proceedings 1311 (2010) 307−316.
21. Ally J.M., Magnetically targeted deposition and retention of particles on the airways for the durg delivery, PhD Thesis, Department of Mechanical Engineering, University of Alberta, Canada, 2010.
22. Dominguez A., M. Oettel, S. Dietrich, Dynamics of colloidal particles with capillary interactions Phys. Rev. E 82(1) (2010) Art. No. 011402.
23. Maestro A., L.J. Bonales, H. Ritacco, R.G. Rubio, F. Ortega, Effect of the spreading solvent on the three−phase contact angle of microparticles attached at fluid interfaces, Physical Chemistry Chemical Pyshics 12(42) (2010) 14115−14120.
24. Singh P., D.D. Joseph, N. Aubry, Dispersion and attraction of particles floating on fluid−liquid surfaces, Soft Matter 6(18) (2010) 4310−4325.
25. Abras D., G. Pranami, N.L. Abbott, The mobilities of micro- and nano-particles at interfaces of nematic liquid crystals, Soft Matter 8(6) (2012) 2026−2035.
26. Botto L., E.P. Lewandowski, M. Cavallaro, K.J. Stebe, Capillary interactions between anisotropic particles, Soft Matter 8(39) (2012) 9957−9971.
27. Dixit H.N., G.M. Homsy, Capillary effects on floating cylindrical particles, Physics of Fluids 24 (2012) Art. No. 122102.
28. Butt H.-J., C. Semprebon, P. Papadopoulus, D. Vollmer, M. Brinkmann, M. Ciccotti, Design principles for superamphiphobic surfaces, Soft Matter 9(2) (2013) 418−423.
29. Sinha A., A.K. Mollah, S. Hardt, R. Ganguly, Particle dynamics and separation at liquid-liquid interfaces, Soft Matter 9(22) (2013) 5438−5447.
30. Cooray P.L.H.M., The capillary interactions between objects at liquid interfaces, PhD Thesis, Oxford University, 2014.
31. Boniello G., Mouvement brownien des particules colloidales partiellement mouillees, PhD Thesis, Universite Montpellier II, 2015.
32. Boniello G., C. Bianc, D. Fedorenko, M. Medfai, N.B. Mbarek, M. In, M. Gross, A. Stocco, M. Nobili, Brownian diffusion of a partially wetted colloid, Nature Materials 14(9) (2015) 908−911.
33. Dani A., G. Keiser, M. Yeganeh, C. Maldarelli, Hydrodynamics of particles at an oil-water interface, Langmuir 31(49) (2015) 13290−13302.
34. Dorr A., S. Hardt, Driven particles at fluid interfaces acting as capillary dipoles, Journal of Fluid Mechanics 770 (2015) 5−26.
35. Schenck D.M., Submersion and lateral transport bahavior of microparticles at a lung surfactant interface on model mucus hydrogels, PhD Thesis, University of Iowa, 2015.
36. Wong L.T., H.C. Yu, K.W. Mui, W.Y. Chan, Drag constants for common indoor bioaerosols, Indoor and Bild Environment 24(3) (2015) 401−413.
37. Yuan J., J. Feng, S.K. Cho, Cheerios effect controlled by electrowetting, Langmuir 31(30) (2015) 8502−8511.
38. Boniello G., A. Stocco, M. Gross, M. In, C. Blanc, M. Nobili, Translational viscous drag of an ellipsoid straddling an interface between two fluids, Physical Review E 94 (2016) 012602.
39. Dkhil M., A. Bolopin, S. Regnier, M. Gauthier, Modeling and 1D control of a non contact magnetic actuation platform at the air/liquid interface for micrometer scale applications, 1st International Conference

on Manipulation, Automation and Robotics at Small Scales, MARSS 2016; Paris; France; July 2016; Category numberCFP16D58-ART; Code 123676.
40. Dorr A., S. Hardt, H. Masoud, H.A. Stone, Drag and diffusion coefficients of a spherical particle attached to a fluid-fluid interface, Journal of Fluid Mechanics 790 (2016) 607–618.
41. Khaw M.K., C.H. Ooi, F. Mohd-Yasin, R. Vadivelu, J.S. John, N.-T. Nguyen, Digital microfluidics with a magnetically actuated floating liquid marble, Lab on a Chip 16(12) (2016) 2211–2218.
42. Lagubeau G., G. Grosjean, A. Darras, G. Lumay, M. Hubert, N. Wandewalle, Statics and dynamics of magnetocapillary bonds, Physical Review E 93(5) (2016) Art. No. 053117.
43. Ooi C. H., A.V. Nguyen, G.M. Evans, D.V. Dao, N.-T. Nguyen, Measuring the coefficient of friction of a small floaing liquid marble, Scientific Reports 6 (2016) Art. No. 38346.
44. Rahmani A.M., A. Wang, V.N. Manoharan, C.E. Colosqui, Colloidal particle adsorption at liquid interfaces: capillary driven dynamics and thermally activated kinetics, Soft Matter 12 (2016) 6365–6372.
45. Shojaeefard M.H., V. Mousapour Khaneshan, M.R. Yosri, M.A. Ehteram, E. Allymehr, Investigation of engine oil micro-droplets deposition using a round impinging jet, Journal of the Brazilian Society of Mechanical Science and Engineering 38(3) (2016) 721–734.
46. Dkhil M., M. Kharboutly, A. Bolopion, S. Regnier, M. Gauthier, Closed-loop control of a magnetic particle at the air-liquid interface, IEEE Transactions on Automation Science and Engineering 14(3) (2017) 1387–1399.
47. Gao Y., S. Mitra, E.J. Wanless, R. Moreno-Atanasio, G.M. Evans, Interactin of a spherical particle with a neutraly buoyant immiscible droplet in salt solution, Chemical Engineering Science 172 (2017) 182–198.
48. Khaw M.K., C.H. Ooi, F. Mohd-Yasin, A.V. Nguyen, G.M. Evans, N.-T. Nguyen, Dynamic behavior of a magnetically actuated floaing liquid marble, Microfluidics and Nanofluidics 21 (2017) Art. No. 110.
49. Koplik J., C. Maldareli, Diffusivity and hydrodynamic drag of nanoparticles at a vapo-liquid interface, Physical Review Fluids 2(2) (2017) Art. No. 024303.
50. Vidal A., L. Botto, Slip flow past a gas-liquid interface with embedded solid particles, Journal of Fluid Mechanics 813 (2017) 152–174.
51. Eigenbrod M., F. Bihler, S. Hardt, Electrokinetics of a particle attached to a fluid interface: Electrophoretic mobility and interfacial deformation, Physical Review Fluids 3 (2018) Art. No. 103701.
52. Grosjean G., Magnetocapillary self-assemblies: Interfacial locomotion at low Reynolds number, PhD Thesis, Liege University, 2018.
53. He Y., L. Wang, L. Zhong, Y. Liu, W. Rong, Transporting microobjects using a magnetic microrobot at water surfaces, 15th International Confrence on Control, Atomization, Robotics and Vision (2018) Art. No. 8581297.
54. Ooi C.H., J. Jin, K.R. Sreejith, A.V. Nguyen, G.M. Evans, Nguyen N.-T., Manipulation of a floating liquid marbel using dielectrophoresis, Lab on a Chip 18(24) (2018) 3770–3779.
55. Ayouri A.N., M.A. Ehteram, Experimental and numerical investigation of the efficiency and pressure drop of an inertial impactor with variable area, Journal of Applied Fluid Mechanics 12(4) (2019) 1287–1302.
56. He Y., L. Wang, Q. Li, W. Rong, L. Sun, L. Yang, Design, analysis and experiments of a magnetic microrobot capable of locomotion and manipulation at water surfaces, Journal of Micromechanics and Microengineering 29(2) (2019) Art. No. 025010.
57. Khaneshan V.M., M.H. Shojaeefard, Effect of surface temperature on the impaction and deposition of micron-sized engine oil particles on a heated flat plate, Journal of Brazilian Society of Mechanical Science and Engineering, 41 (2019) 225.
58. Kim B.L., A. Rendos, P. Ganesh, K.A. Brown, ailure of aprticle-laden interfaces studied using the funnel method, Colloid and Interface Science Communications 28 (2019) 54–59.
59. McNamee C.E., S. Yamamoto, Forces between a hard surface and an air–aqueous interface with and without films, Current Opinion in Colloid and Interdace Science 47 (2020) 1–15.
60. Grosjean G., Magnetocapillary self-assembly. Interfacial locomotion at low Reynolds numbers, PhD Thesis, Liege University, 2019.
61. Arai N., S. Watanabe, M.T. Miyahara, R. Yamamoto, U. Hampel, G. Lecrivain, Direct observation of the attachment behaviour of hydrophobic colloidal particles onto a bubble surface, Soft Matter 16(3) (2020) 695–702.
62. Long C., R. Chen, C. Zhai, F. Chen, C. Yang, Review of magnetic droplet generation amd manipulation in microchips, The Chineese Journal of Process Engineering 20 (2020) 1134–1146.
63. Loudet J.-C., M. Qiu, J. Hemauer, J.J. Feng, Drag force on a particle stradding a fluid interface: influence of interfacial deformation, The European Physical Journal E 43 (2020) Art. No. 13.
64. Gu C., L. Botto, FIPI: A fast numerical method for the simulation of particle-laden fluid interfaces, Computer Physics Communications 256 (2020) Art. No. 107447.
65. Villa S., G. Boniello, A. Stocco, M. Nobili, Motion of micro- and nano-particles interacting with fluid interface, Advances Colloid Interface Science 248 (2020) Art. No. 102262.

66. Eigenbrod M., The influence of boundary configuration on the dissipation and stability in fluids at low Reynolds numbers, PhD Thesis, Darmstad Technocal University, 2020.
67. Ban'MBarek N., A. Aschi, C. Blank, M. Nobili, Microspheres viscous drag at a deformed fluid interface: particle's weight and electrical charges effects, The European Physical Journal E 44 (2021) Art. No. 26.
68. Yuan J., J. Feng, S.K. Cho, Dielectrowetting control of capillary force (cheerios effect) between floating objects and wall for dielectric fluid, Micromachines 12 (2021) Art. No. 341.
69. Gidituri H., A. Wurger, K. Stratford, J.S. Lintuvuori, Dynamics of a spherical colloid at a liquid interface: A lattice Boltzmann study, Physics of Fluids 33 (2021) Art. No. 052110.

037 K.D. Danov, I.B. Ivanov, T.D. Gurkov, R.P. Borwankar, Kinetic model for the simultaneous processes of flocculation and coalescence in emulsion systems, J. Colloid Interface Sci. 167 (1994) 8–17. (**Citations: 56**)

1. Binks B.P., Emulsions, in: Annual Reports, The Royal Society of Chemistry, Section C, 92 (1996) 97–133.
2. Lismonde B., Experimental determination of the efficiency of coalescence, Houille Blanche 51(1–2) (1996) 105–112.
3. Marquez M.L., E. Rogel, I. Reif, Molecular dynamics simulation of isopropyl naphthalene sulfonate at the water/heptane interface, Colloids Surfaces A 106(2–3) (1996) 135–148.
4. Spicer P.T., S.E. Pratsinis, Coagulation and fragmentation: universal steady–state particle–size distribution, AIChE J. 42(6) (1996) 1612–1620.
5. Spicer P.T., S.E. Pratsinis, M.D. Trennepohl, G.H.M. Meesters, Coagulation and fragmentation: the variation of shear rate and the time lag for attachment of steady state, Ind. Eng. Chem. Res. 35(9) (1996) 3074–3080.
6. Cardenas A., S. Rosi, D. Pazos, H. Rivas, Stability of bitumen in water emulsions. 3. Coalescence, Vision Tecnologica 4(2) (1997) 105–118.
7. Petsev D.N., N.D. Denkov, P.A. Kralchevsky, DLVO and non–DLVO surface forces and interactions in colloidal dispersions, J. Dispersion Sci. Technology 18(6–7) (1997) 647–659.
8. Spicer P.T., Shear–Induced Aggregation–Fragmentation: Mixing and Aggregate Morphology Effects, PhD Thesis, Department of Chemical Engineering, College of Engineering, University of Cincinnati, 1997.
9. Vivaldo–Lima E., P.E. Wood, A.E. Hamielec, A. Penlidis, An update review on suspension polymerisation, Ind. Eng. Chem. Res. 36(4) (1997) 939–965.
10. Binks B.P., Emulsions—Recent Advances in Understanding, in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Society of Chemistry, UK, 1998, pp. 1–55.
11. Dukhin S.S., J. Sjoblom, Fragmentation of primary flocs in emulsions and the subsequent reduction of coalescence, J. Dispersion Sci. Technology 19(2–3) (1998) 311–327.
12. Kabalnov A.S., Coalescence in Emulsions, in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Society of Chemistry, UK, 1998, pp. 205–260.
13. Saether O., J. Sjoblom, S.V. Verbich, N.A. Mishchuk, S.S. Dukhin, Video–microscopic investigation of the coupling of reversible flocculation and coalescence, Colloids Surfaces A 142(2–3) (1998) 189–200.
14. Song M., B.M. Li, A. Steiff, Stochastic simulation of particulate dynamic breakup, J. Chem. Eng. Jpn. 31(2) (1998) 201–207.
15. Vivaldo–Lima E., Development of an effective model for particle size distribution in suspension copolimeryzation of styrene/divinylbenzene, PhD Thesis, McMaster University, 1998.
16. Sing A.J.F., A. Graciaa, J. Lachaise, P. Brochette, J.L. Salager, Interaction and coalescence of nanodroplets in translucent O/W emulsions, Colloids Surfaces A 152(1–2) (1999) 31–39.
17. Dukhin S.S., O. Saether, J. Sjoblom, Coupling of coalescence and flocculation in dilute O/W emulsions, in: K.L. Mittal, Promod Kumar (Eds.), Emulsions, Foams, and Thin Films, 2000, p. 84.
18. Katsumoto Y., H. Ushiki, B. Mendiboure, A. Graciaa, J. Lachaise, Evolutionary behaviour of miniemulsion phases: II. Growth mechanism of miniemulsion droplets, J. Physics – Condensed Matter 12(15) (2000) 3569–3583.
19. Urbina–Villalba G., M. Garcia–Sucre, Brownian dynamics simulation of emulsion stability, Langmuir 16(21) (2000) 7975–7985.
20. Dukhin S.S., O. Saether, J. Sjoblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, pp. 71–93.
21. Knyazev A.A., I.N. Karpov, O.I. Mikhalev, Dynamics of phase transitions in oil–in–water emulsions during thermocycling, Russ. J. Phys. Chem. 75(10) (2001) 1701–1705.
22. Kong L.G., J.K. Beattie, R.J. Hunter, Electroacustic determination of size and charge of sunflower oil–in–water emulsions made by hugh–pressure homogenising, Chem. Eng. Process 40(5) (2001) 421–429.

23. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
24. Urbina–Villalba G., M. Garcia–Sucre, A simple computational technique for the systematic study of adsorption effects in emulsified systems. Influence of inhomogeneous surfactant distribution on the coalescence rate of a bitumen–in–water emulsion, Mol. Simulat. 27(2) (2001) 75–97.
25. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен "доктор", София, 2001.
26. Madras G., B.J. McCoy, Numerical and similarity solutions for reversible population balance equations with size–dependent rates, J. Colloid Interface Sci. 246(2) (2002) 356–365.
27. Petsev D.N., Mechanisms of emulsion flocculation, in: Encyclopedia of Surface and Colloid Science, 2002, 3192–3207.
28. Barthelmes G., S.E. Pratsinis, H. Buggisch, Particle size distribution and viscosity of suspensions undergoing shear–induced coagulation and fragmentation, Chem. Eng. Sci. 58(13) (2003) 2893–2902.
29. Han B.B., S. Akeprathumchai, S.R. Wickramasinghe, X. Qian, Flocculation of biological cells: experiment vs. theory, AIChE J. 49(7) (2003) 1687–1701.
30. Sterling Jr. M.C., Aggregation and trnasport kinetics of crude oil and sediment in estaurine waters, PhD Thesis, Texas Ubiversity, 2003.
31. Urbina–Villalba G., M. Garcia–Sucre, J. Toro–Mendoza, Average hydrodynamic correction for the Brownian dynamics calculation of flocculation rates in concentrated dispersions, Phys. Rev. E 68(6) (2003) Art. No. 061408.
32. Mishchuk N.O., Coalescence kinetics of Brownian emulsions. in: D.N. Petsev (Ed.), Emulsions: Structure Stability and Interactions, Elsevier, London, 2004, p. 351.
33. Petsev D.N., Theory of emulsion flocculation. in: D.N. Petsev (Ed.), Emulsions: Structure, Stability and Interactions, Elsevier, London, 2004; p. 313.
34. Saeter O., J. Sjoblom, S.S. Dukhin, Droplet flocculation and coalescence in dilute oil-in-water emulsions, in: Food Emulsions, 2004, Ch. 5.
35. Sterling Jr. M.C., J.S. Bonner, A.N.S. Ernest, C.A. Page, R.L. Autenrieth, Chemical dispersant effectiveness testing: influence of droplet coalescence, Marine Pollution Bulletin 48(9–10) (2004) 969–977.
36. Urbina–Villalba G., J. Toro–Mendoza, A. Lozsan, M. Garcia–Sucre, Brownian dynamics simulations of emulsion stability. in: B.N. Petsev (Ed.), Emulsions: Structure Stability and Interaction, Elsevier, London, 2004, p.677.
37. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282–283 (2006) 1–7.
38. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
39. Schmitt–Rozieres M., J. Kregel, D.O. Grigoriev, L. Liggieri, R. Miller, S. Vincent–Bonnieu, M. Antoni, From spherical to polymorphous dispersed phase transition in water/ol emulsions, Langmuir 25(8) (2009) 4266–4270.
40. Urbina–Villalba G., A. Lozsan, K. Rahn, M.S. Romero–Kano, Calculation of the stability ratio of suspensions using Emulsion Stability Simulations, Computer Physics Communications 180(11) (2009) 2129–2139.
41. Urbina–Villalba G., An algorithm for emulsion stability simulations: account of flocculation, coalescence, surfactant adsorption and the process of Ostwald ripening, Int. J. Mol. Sci. 10 (2009) 761–804.
42. Afshar A., M.S. Hosseine, The effect of different flow fields on particle size distribution (PSD) in suspensions using modified popilation balance/DEM, Proceedings of the Polymer Processing Society Asia/Australia Regional Meeting PPS2011, 2011.
43. Osorio P., G. Urbina–Villalba, Influence of drop deformability on the stability of devane-in-water emulsions, J. Surfactants and Detergents 14(2) (2011) 281–300.
44. Rahn-Chique K., A.M. Puertas, M.S. Rumero-Cano, C. Rojas, G. Urbina-Villalba, Nanoemulsion stability: experimental evaluation of the flocculation rate from turbidity measurements, Adv. Colloid Interface Sci. 178 (2012) 1–20.
45. Azizi K., M. Nikazar, Kinetics model of destabilization of oil droplets in oily wastewater emulsions, Journal of Dispersion Science and Technology 36(11) (2014) 1581–1587.
46. Hasseine A., Z. Barhoum, M. Attarakih, H.-J. Bart, Analytical solutions of the particle breakage equation by the Adomian decomposition and the variational iteration methods, Adwanced Powder Technology 26(1) (2015) 105–112.

47. Barhoum Z., Resolution de l'equation du bilan de population pour les systemes continus et discontinus, PhD Thesis, Universite Mohamed Khider Biskra, 2016.
48. Irvine M.A., J.C. Bull, M.J. Keeling, Aggregation dynamics explain vegetation patch-size distributions, Theoretical Population Biology 108(1) (2016) 70–74.
49. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367–381.
50. Urbina-Villalba G., Use of two-particle simulations for the evaluation of the flocullation rate in the case of insurmountable repulsive barriers, Revista del Centro de Estudios Interdisciplinarios de la Fisica, vol 5 (2016) 1–14.
51. Dryden M.S., J. Cooke, R.J. Salib, R.E. Holding, T. Biggs, A.A. Salamat, R.N. Allan, R.S. Newby, F. Halstead, B. Oppenheim, T. Hall, S.C. Cox, L.M. Grover, Z. Al-hindi, L. Novak-Frazer, M.D. Rishardson, Reactive oxygen: A novel antimicrobial mechanism for targeting biofilm-associated infection, Journal of global Antimicrobial Resistance 8 (2017) 186–191.
52. Qiao L. M.T. Swihart, Solution-phase synthesis of transition metal oxide nanocrystals: Morphologies, formulae, and mechanisms, Advances in Colloid and Interface Science 244 (2017) 199–266.
53. Rahn-Chique K., G. Urbina-Villalba, Dependence of emulsion stability on particle size: Relative importance of drop concentration and destabilization rate on the half lifetimes of O/W nanoemulsions, Journal of Dispersion Science and Technology 38(2) (2017) 167–179.
54. Angardi V., R. Mohan, O. Shoham, Statisitcal approach to estimate coalescence of a single droplet at interface affected by aqueous phase composition, Journal of Petroleun Scienc and Engineering 175 (2019) 804–813.
55. Pawignya H., T.D. Kusworo, B. Pramudono, Kinetic modelling of flocculation and coalescence in the system emulsion of water-xylene-terbutyl oleyl glycosides, Bulletin of Chemical Reaction Engineering and Catalysis 14(1) (2019) 60–68.
56. Nazemzadeh N., L.W. Sillesen, K.V. Gernaey, M.P. Andersson, S.S. Mansouri, Atom-to-enterprise: Multi-scale modelling of flocculation processes, IChEC April (2020).

036 T. Horozov, K. Danov, P. Kralchevsky, I. Ivanov, R. Borwankar, A local approach in interfacial rheology: theory and experiment, in: First World Congress on Emulsions, Proceedings, Paris, France, 1993, No. 3–20–137. (**Citations: 9**)

1. Dukhin S.S., G. Kretzschmar, R. Miller, Dynamics of Adsorption at Liquid Interfaces, Elsevier, Amsterdam, 1995, Ch. 4.
2. Dukhin S.S., G. Kretzschmar, R. Miller, Dynamics of Adsorption at Liquid Interfaces, Elsevier, Amsterdam, 1995, Ch. 5.
3. Dukhin S.S., G. Kretzschmar, R. Miller, Dynamics of Adsorption at Liquid Interfaces, Elsevier, Amsterdam, 1995, Ch. 6.
4. Fruhner H., K. Lunkerheimer, R. Miller, Adsorption kinetics and exchange of matter at liquid interfaces and microgravity, Materials and Fluids under Low Gravity, Lecture Notes in Physics 464 (1996) 41–50.
5. Miller R., R. Wustneck, J. Kragel, G. Kretzschmar, Dilational and shear rheology of adsorption layers at liquid interfaces, Colloids and Surfaces A: Physicochemical and Engineering Aspects 111(1–2) (1996) 75–118.
6. Miller R., V.B. Fainerman, K.H. Schano, A. Hofmann, W. Heyer, Dynamic surface tension determination using an automated bubble pressure tensiometer, Tenside, Surfactants, Detergents 34(5) (1997) 357–363.
7. Dushkin C.D., Model of the quasi–monodisperse micelles with application to the kinetics of micellization, adsorption and diffusion in surfactant solutions and thin liquid films, Colloids Surfaces A 143(2–3) (1998) 283–299.
8. Joos P., Dynamic Surface Tension, VSO BV, 1999, Ch. 4.
9. Vakarelski I.U., C.D. Dushkin, Effect of the counterions on the surface properties of surfactant solutions: kinetics of the surface tension and surface potential, Colloids Surfaces A 163(2–3) (2000) 177–190.

035 K. Danov, O. Velev, I. Ivanov, R. Borwankar, Bancroft rule and hydrodynamic stability of thin films and emulsions, in: First World Congress on Emulsions, Proceedings, Paris, France, 1993, No. 1–21–125. (**Citations: 1**)

1. Gurkov T., E. Basheva, Hydrodynamic behaviour and stability of approaching deformable drops, in A.T. Hubard (Ed.) Encyclopedia in Surface and Colloid Science, Marcel Dekker, 2002.

034 K.D. Danov, D.N. Petsev, N.D. Denkov, R. Borwankar, Pair interaction energy between deformable drops and bubbles, J. Chem. Phys. 99(9) (1993) 7179–7189. (**Citations: 75**)

1. Binks B., Emulsions, Annual Rep. Royal Soc. Chem. 92 (1995) 97–133.
2. Koper G.J.M., W.F.C. Sager, J. Smeets, D. Bedeaux, Aggregation in oil–continuous water sodium BIS(2–ethylhexyl)sulfosuccinate oil microemulsions, J. Phys. Chem. 99(35) (1995) 13291–13300.
3. Dukhin S., J. Sjoblom, in: J. Sjoblom (Ed.), Emulsion and Emulsion Stability, Marcel Dekker, 1996, pp. 41–181.
4. Koper G.J.M., W.F.C. Sager, J. Smeets, Thermodynamics of aggregation in droplet–phase water/AOT/oil microemulsions, Ber. Bunsen Phys. Chem. 100(3) (1996) 320–322.
5. Schwarz U.S., K. Swamy, G. Gompper, The lamellar–to–isotropic transition in ternary amphiphilic systems, Europhys. Lett. 36(2) (1996) 117–122.
6. Ivanov I.B., P.A. Kralchevsky, Stability of emulsions under equilibrium and dynamic conditions, Colloids Surfaces A 128(1–3) (1997) 155–175.
7. Leal–Calderon F., O. Mondain–Monval, K. Pays, N. Royer, J. Bibette, Water–in–oil emulsions: role of the solvent molecular size on droplet interactions, Langmuir 13(26) (1997) 7008–7011.
8. Mishchuk N.A., S.V. Verbich, S.S. Dukhin, O. Holt, J. Sjoblom, Rapid Brownian coagulation in dilute polydisperse emulsions, J. Disperison Sci. Technology 18(5) (1997) 517–537.
9. Binks B.P., in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998, Ch. 1.
10. Fletcher P.D.I., Interactions of emulsion drops, in: D. Möbius, R. Miller (Eds.), Drops and Bubbles in Interfacial Research, Elsevier, Amsterdam, 1998, p. 563.
11. Gudwin J.W., T.J. Huang, The rheology of aqueous microgel dispersions, in: Modern Aspects of Colloidal Dispersions, Springer, 1998, 25–39.
12. Miklavcic S.J., Perturbation analysis of droplet deformation under electric double layer forces, Phys. Rev. E 57(1) (1998) 561–568.
13. Aveyard R., B.P. Binks, J. Esquena, P.D.I. Fletcher, R. Buscall, S. Davies, Flocculation of weakly charged oil–water emulsions, Langmuir 15(4) (1999) 970–980.
14. Binks B.P., J.F. Dong, N. Rebolj, Equilibrium phase behaviour and emulsion stability in silicone oil plus water plus AOT mixture, Phys. Chem. Chem. Phys. 1(9) (1999) 2335–2344.
15. Hartley P.G., F. Grieser, P. Mulvaney, G.W. Stevens, Surface forces and deformation at the oil–water interfaces probed using AFM force measurement, Langmuir 15(21) (1999) 7282–7289.
16. Li X.–S., J.–F. Lu, Y.–G. Li, J.–C. Liu, A new molecular thermodynamic model for osmotic pressures in micelle and oil/water microemulsion systems with nonionic and ionic surfactants, Ind. Eng. Chem. Res. 38(7) (1999) 2817–2823.
17. Sing A.J., A. Graciaa, J. Lachaise, P. Brochette, J.L. Salager, Interactions and coalescence of nanodroplets in translucent O/W emulsions, Colloids Surfaces A 152(1–2) (1999) 31–39.
18. Xiaosen L., L. Jiufang, L. Yigui, L. Jinshen, F. Dong, Osmotic pressure equation of uncharged micelle and oil/water microemulsion systems, Chinese J. Chem. Eng. 7(3) (1999) 271–277.
19. Koh A., G. Gillies, J. Gore, B.R. Saunders, Flocculation and coalescence of oil–in–water poly(dimethylsiloxane) emulsions, J. Colloid Interface Sci. 227(2) (2000) 390–397.
20. Urbina–Villalba G., M. Garcia–Sucre, Brownian dynamic simulation of emulsion stability, Langmuir 16(21) (2000) 7975–7985.
21. Dukhin S.S., O. Saether, J. Sjoblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, 71–93.
22. Kent P., B.R. Saunders, The role of added electrolyte in the stabilization of inverse emulsions, J. Colloid Interface Sci. 242(2) (2001) 437–442.
23. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 5.
24. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
25. Miller R., in: J. Sjoblom (Ed.), Encyclopedic Hadbook of Emulsion Technology, Marcel Dekker, New York, 2001, Ch. 1.
26. Ralston J., D. Fornasiero, N. Mishchuk, The hydrophobic force in flotation – a critigue, Colloids Surfaces A 192(1–3) (2001) 39–51.
27. Shields M., R. Ellis, B.R. Saunders, A creaming study of weakly flocculated and depletion flocculated oil–in–water emulsions, Colloids Surfaces A 178(1–3) (2001) 265–276.
28. Urbina–Villalba G., M. Garcia–Sucre, A simple computational technique for the systematic study of adsorption effects in emulsified systems. Influence of inhomogeneous surfactant distribution on the coalescence rate of a bitumen–in–water emulsion, Mol. Simulat. 27(2) (2001) 75–97.

29. Aveyard R., B.P. Binks, J. Esquena, Flocculation transitions of weakly charged oil–in–water emulsions stabilized by different surfactants, Langmuir 18(9) (2002) 3487–3494.
30. Miklavcic S.J., P. Attard, Sufficient conditions for the stability and instability of a fluid boundary subjected to local stress, J. Phys. A – Math. Gen. 35(19) (2002) 4335–4347.
31. Saether O., J. Sjoblom, S.S. Dukhin, Droplet flocullation and coalescence in dilute oil–in–water emulsions, in: S. Friberg, K. Larsson, J. Sjoblom (Eds.), Food Emulsions, Fourth Edition, 2003, Ch. 5, p. 218.
32. Sterling M.C., Aggregation and Transport Kinetics of Crude Oil and Sediment in Estuarine Waters, PhD Thesis, University of Oklahoma; M.S., Texas A&M University, USA, 2003.
33. Arditty S., Fabrication, stability and rheological properties of solid–stabilized emulsions, PhD Thesis, Bordeaux University, 2004.
34. Mishchuk N.A., A. Sanfeld, A. Steinchen, Interparticle interactions in concentrate water–oil emulsions, Adv. Colloid Interface Sci. 112(1–3) (2004) 129–157.
35. Saeter O., J. Sjoblom, S.S. Dukhin, Droplet flocculation and coalescence in dilute oil-in-water emulsion, in: Food Emulsions, 2004, Ch. 5.
36. Sterling Jr. M.C., J.S. Bonner, A.N.S. Ernest, C.A. Page, R.L. Autenrieth, Chemical dispersant effectiveness testing: influence of droplet coalescence, Marine Pollution Bulletin 48(9–10) (2004) 969–977.
37. Urbina–Villalba G., J. Toro–Mendoza, A. Lozsan, M. Garcia–Sucre, Brownian dynamics simulations of emulsion stability, in: D. Petsev (Ed.), Emulsions: Structure Stability and Interaction, Elsevier, London, 2004, Ch. 17, p.677.
38. Dagreou S., B. Mendiboure, A. Allal, G. Marin, J. Lachaise, P. Marchal, L. Choplin, Modeling of the linear viscoelastic properties of oil–in–water emulsions, J. Colloid Interface Sci. 282(1) (2005) 202–211.
39. Kralchevsky P.A., I.B. Ivanov, K.P. Ananthapadmanabhan, A. Lips, On the thermodynamics of particle–stabilized emulsions: curvature effects and catastrophic phase inversion, Langmuir 21(1) (2005) 50–63.
40. Avila C., Interfacial phenomena in oil-in-water dispersion, PhD Thesis, University of Tulsa, 2006.
41. Filip–Boar D., AFM–CSLM microrheology of aggregated emulsions, PhD Thesis, University of Twente, 2006.
42. Ichikawa T., T. Dohda, Y. Nakajima, Stability of oil–in–water emulsion with mobile surface charge, Colloids Surfaces A 279(1–3) (2006) 128–141.
43. Kottke P.A., A. Saillard, A.G. Fedorov, Droplet growth and transition to coalescence in confined geometries, Langmuir 22(13) (2006) 5630–5635.
44. Liu K.K., Deformation behaviour of soft particles: a review, J. Phys. D – Applied Phys. 39(11) (2006) R189–R199.
45. Podgorska W., Rozpad i koalelescencja kropel w intermitentnym polu burzliwym, Prace Wydzialu Inzynierii 30(1) (2006) 3–264.
46. Dukhin A.S., S.S. Dukhin, P.J. Goetz, Gravity as a factor of aggregative stability and coagulation, Advances in Colloid and Interface Science 134–135 (2007) 35–71.
47. Zhang S.M., J.D. Chen, Synthesis of open porous emulsion–templated monolith using cetyltrimethylammonium bromide, Polymer 48(11) (2007) 3021–3025.
48. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
49. Xiao J., W. Li, Study on osmotic pressure of non–ionic and ionic surfactant solutions in the micellar and microemulsion regions, Fluid Phase Equilibria 263(2) (2008) 231–235.
50. Acevedo–Malave J.A., E. Sira, M. Garcia–Sucre, Film drainage between two drops: Vortex formation in thin liquid films, Interciencia 34(6) (2009) 380–384.
51. Acevedo–Malave J.A., E. Sira, M. Garcia–Sucre, A simple model to describe dimple dynamics, Interciencia 34(8) (2009) 532–535.
52. Foudazi R., Models for structure-rheology of hughly concentrated emulsions, PhD Thesis, Cape Peninsula University of Technology, 2009.
53. Urbina–Villalba G., An algorithm for emulsion stability simulations: account of flocculation, coalescence, surfactant adsorption and the process of Ostwald ripening, Int. J. Mol. Sci. 10 (2009) 761–804.
54. Dukhin A.S., S.S. Dukhin, Rapid Brownian and gravitational coagulation, Colloids and Interface Science Series vol. 1 (2010) 345–378.
55. Foudazi R., I. Masalova, A. Ya. Malkin, Effect of interdroplet interaction on elasticity of highly concentrated emulsions, Applied Rheology 20(4) (2010) 209–218.
56. Foudazi R., I. Masalova, A. Ya. Malkin, The role of interdroplet interaction in the physics of highly concentrated emulsions, Colloid Journal 72(1) (2010) 74–92.

57. Klapper P., Tensiometrische Stofftransportuntersuchungen der Zinkextraktion mit dem Kationenaustauscher Di(2-ethylhexyl)phosphorsäure, PhD Thesis, TU Bergakademie Freiberg, Germany, 2010.
58. Rojas C., G. Urbina–Villalba, M. Garcia–Sucre, Lifetime of micrometer–sized drops of oil pressed by buoyancy against a planar interface, Physical Review E 81(1) (2010) Art. No. 016302.
59. Rojas C., M. Garcia–Sucre, G. Urbina–Villalba, Lifetime of oil drops pressed by buoyancy against a planar interface: Large drop, Physical Review E 82(5) (2010) Art. No. 056317.
60. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
61. Dukhin A.S., S.S. Dukhin, Rapid brownian and gravitational coagulation, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 345–378.
62. Osorio P., G. Urbina–Villalba, Influence of drop deformability on the stability of devane-in-water emulsions, J. Surfactants and Detergents 14(2) (2011) 281–300.
63. Smith K.M., J.W. Butterbaugh, S.P. Beaudoin, Effects of varying surface film thickness on particle adhesion in semiconductor material-based systems, ECS Transactions 41(5) (2011) 243–250.
64. Krebs T., K. Schroen, R. Boom, A microfluidic method to study demulsification kinetics, Lab on a Chip – Miniaturisation for Chemistry and Biology 12(6) (2012) 1060–1070.
65. Krebs T., K. Schroen, R. Boom, Separation kinetics of an oil-in-water emulsion under ehhanced gravity. Chemical Engineering Science 71 (2012) 181–125.
66. Krebs T., C.P.G.H. Schroen, R.M. Boom, A microfluidic study of of oil-water separation kinetics, WIT Transactions of Engineering Sciences 74 (2012) 427–438.
67. Krebs T., C.P.G.H. Schroen, R.M. Boom, Coalescence kinetics of oil-in-water emulsions studied with microfluidics, Fuel 106 (2013) 327–334.
68. Smith K.M., J.W. Butterbaugh, S.P. Beaudoina, Effects of coating thickness on particle adhesion in microelectronics-based systems, ECS Journal of Solid State Science and Technology 2(11) (2013) P488–P491.
69. Kamp J., M. Kraume, Influence of drop size and superimposed mass transfer on coalescence in liquid-liquid dispersions – Test cell design for single drop investigation, Chemical Engineering Research and Design 92(4) (2014) 635–643.
70. Чудинова Н.Н., Синтез и коллоидно-химические характеристики косметических емулсий, стабилизированних смесями ПАВ, Дисертация, Российский химико-технологический университет, Москва, 2014.
71. Nizamidin N., Optimized heavy oil-in-water emulsions for flow in pipelines, PhD Thesis, The University of Texas at Austin, 2016.
72. Beltramo P.J., M. Gupta, A. Alicke, I. Liascukiene, D.Z. Gunes, C.N. Baroud, J. Varmant, Arresting dissolution ny interfacial rheology design, PNAS 114(39) (2017) 10373–10378.
73. Kamp J., J. Villwock, M. Kraume, Drop coalescence in technical liquid/liquid applications: A review on experimental techniques and modeling approaches, Reviews in Chemical Engineering 33(1) (2017) 1–47.
74. Karthik P., C. Anandharamakrishnan, Droplet coalescence as a potential marker for physicochemical fate of nanoemulsions during in-vitro small intestine digestion, Colloids and Surfaces A 553 (2018) 278–287.
75. S. Narayan, A.E. Metaxas, R. Bachnak, T. Neumiller, C.S. Dutcher, Zooming in on the role of surfactants in droplet coalescence at the macroscale and microsacle, Current Oppinion in Colloid and Interface Science 50 (2020) Art. No. 101385.

032 K.D. Danov, N.D. Denkov, D.N. Petsev, I.B. Ivanov, R. Borwankar, Coalescence dynamics of deformable Brownian emulsion droplets, Langmuir 9 (1993) 1731–1740. (**Citations: 81**)

1. Barzykin A.V., M. Tachiya, Reaction kinetics in microdisperse systems with exchange, J. Phys. Chem. 98(10) (1994) 2677–2687.
2. Tachia M., A.V. Barzykin, Diffusion-controlled reactions in micellar systems, Mat. Res. Soc. Symp. Proc. 366 (1994) 365–376.
3. Binks B., Emulsions, Annual Rep. Royal Soc. Chem. 92 (1995) 97–133.
4. Barzykin A.V., M. Tachiya, Reaction kinetics in microdisperse systems. Heterogen. Chem. Rev. 3(2) (1996) 105–167.
5. Dukhin S.S., J. Sjoblom, in: J. Sjoblom (Ed.), Emulsion and Emulsion Stability, Marcel Dekker, New York, 1996, 41–181.
6. Mishchuk N.A., J. Sjoblom, S.S. Dukhin, The effect of retardation and screening of van der Waals attractive forces on the breaking of a doublet of drops during sedimentation, Colloid Journal of the Russian Academy of Sciences: Kolloidnyi Zhurnal 58(2) (1996) 210–213.

7. Mishchuk N.A., S.V. Verbich, S.S. Dukhin, O. Holt, J. Sjoblom, Rapid Brownian coagulation in dilute polydisperse emulsions, J. Dispersion Sci. Technology 18(5) (1997) 517–537.
8. Verbich S.V., S.S. Dukhin, A. Tarovski, O. Holt, O. Saether, J. Sjoblom, Evaluation of stability ratio in oil–in–water emulsions, Colloids Surfaces A 123–124 (1997) 209–223.
9. Vivaldo–Lima E., P.E. Wood, A.E. Hamielec, A. Penlidis, An updated review on suspension polymerisation, Ind. Eng. Chem. Res. 36(4) (1997) 939–965.
10. Binks B.P., in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998, Ch. 1.
11. Forteny I., A. Zivny, Film drainage between droplets during their coalescence in quiescent polymer blends, Polymer 39(12) (1998) 2669–2675.
12. Holt O., O. Saether, J. Sjoblom, S.S. Dukhin, N.A. Mishchuk, Investigation of reversible Brownian flocculation and intradoublet coalescence in o/w emulsions by means of video enhanced microscopy, Colloids Surfaces A 141(2) (1998) 269–278.
13. Vivaldo–Lima E., Development of an effective model for particle size distribution in suspension copolimeryzation of styrene/divinylbenzene, PhD Thesis, McMaster University, 1998.
14. Aveyard R., B.P. Binks, J. Esquena, P.D.I. Fletcher, R. Buscall, S. Davies, Flocculation of weakly charged oil–water emulsions, Langmuir 15(4) (1999) 970–980.
15. Saether O., J. Sjoblom, S.B. Verbich, S.S. Dukhin, A videomicroscopic investigation of coupled reversible flocculation and coalescence at singlet–doublet equilibrium in an O/W emulsion of low density contrast, Journal of Dispersion Science and Technology 20(1–2) (1999) 295–314.
16. Sing A.J., A. Graciaa, J. Lachaise, P. Brochette, J.L. Salager, Interactions and coalescence of nanodroplets in translucent O/W emulsions, Colloids Surfaces A 152(1–2) (1999) 31–39.
17. Tsekov R., S. Kovac, V. Zutic, Attachment of oil droplets and cells on dropping mercury electrode, Langmuir 15(17) (1999) 5649–5653.
18. Fortelny I., A. Zivny, Theoretical description of steady droplet size in polymer blends containing a compatibilizer, Polymer 41(18) (2000) 6865–6873.
19. Fortenly I., Breakup and coalescence of dispersed droplets in compatibilized polymer blends, J. Macromol. Sci. Phys. B 39(1) (2000) 67–78.
20. Hydrophile–lipophile balance of surfactants, Studies in Interface Science 9(C) (2000) 146–266.
21. Katsumoto Y., H. Ushiki, B. Mendiboure, A. Graciaa, J. Lachaise, Evolutionary behaviour o miniemulsion phases: II. Growth mechanism of miniemulsion droplets, J. Phys. Condens. Mat. 12(15) (2000) 3569–3583.
22. Nielloud F., Gilberte Marti–Mestres, Pharmaceutical Emulsions and Suspensions (Drugs and Pharmaceutical Sciences: a Series of Textbooks and Monographs), 2000, p.123.
23. Urbina–Villalba G., M. Garcia–Sucre, Brownian dynamic simulation of emulsion stability, Langmuir 16(21) (2000) 7975–7985.
24. Yu W., C.X. Zhou, T.A. Inoue, A coalescence mechanism for the coarsening behavior of polymer blends during a quiescent annealing process. I. Monodispersed particle systems, J. Polym. Sci. Pol. Phys. 38(18) (2000) 2378–2389.
25. Barzykin A.V., K. Seki, M. Tachiya, Kinetics of diffusion–assisted reactions in microheteregeneous systems, Adv. Colloid Interface Sci. 89–90 (2001) 47–140.
26. Danner T., Tropfenkoaleszenz in Emulsionen, PhD Thesis, Universtitat Karlsruhe, Germany, 2001.
27. Dukhin S.S., J. Sjoblom, D.T. Wasan, O. Saether, Coalescence coupled with either coagulation or flocculation in dilute emulsions, Colloids Surfaces A 180(3) (2001) 223–234.
28. Dukhin S.S., O. Saether, J. Sjoblom, J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, 71–93.
29. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 3.
30. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 5.
31. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
32. Landfester K., Polyreactions in miniemulsions, Macromol. Rapid Comm. 22(12) (2001) 896–936.
33. Mishchuk N.A., L.K. Koopal, S.S. Dukhin, Microflotation suppression and enhancement caused by particle/bubble electrostatic interaction, J. Colloid Interface Sci. 237(2) (2001) 208–223.
34. Gurkov T., E. Basheva, Hydrodynamic behaviour and stability of approaching deformable drops, in A.T. Hubard (Ed.) Encyclopedia in Surface and Colloid Science, Marcel Dekker, 2002.
35. Mishchuk N.A., R. Miller, A. Steinchen, A. Sanfeld, Condition of coagulation and flocculation in dilute mini–emulsions, J. Colloid Interface Sci. 256(2) (2002) 435–450.

36. Wehr L.R., Investigations to Protein Aggregation Processes by Means of Dynamic and Electrophoretic Light Scattering, PhD Thesis, Fachbereich, Biologie, Chemie, Pharmazie, Institut für Kristallographie, Freie Universität Berlin, Germany, 2002.
37. Dukhin S.S., N.A. Mishchuk, G. Loglio, L. Liggieri, R. Miller, Coalescence coupling with flocculation in dilute emulsions within the primary and/or secondary minimum, Adv. Colloid. Interface Sci. 100–102 (2003) 47–82.
38. Leaman A., A review of the dynamics of isolated and interacting bubbles, Msci Mathematics, Bristol University, 2003.
39. Meynie L., Evolution et Controle de la Morphologie d'un Mélange Thermoplastique/Thermodurcissable Polymerize sous Cisaillement, PhD Thesis, Ecole Doctorale Materiaux de Lyon, Lyon, France, 2003.
40. Sterling M.C., Aggregation and Transport Kinetics of Crude Oil and Sediment in Estuarine Waters, PhD Thesis, University of Oklahoma, M.S., Texas A&M University, USA, 2003.
41. Vakarelski I.U., A. Toritani, M. Nakayama, K. Higashitani, Effect of particle deformability on interaction between surfaces in solutions, Langmuir 19(1) (2003) 110–117.
42. Gillies G., C.A. Prestidge, Interaction forces, deformation and nano–rheology of emulsion droplets as determined by colloid probe AFM, Adv. Colloid Interface Sci. 108–109 (2004) 197–205.
43. Mishchuk N.A., A. Sanfeld, A. Steinchen, Interparticle interactions in concentrate water–oil emulsions, Adv. Colloid Interface Sci. 112(1–3) (2004) 129–157.
44. Mishchuk N.O., Coalescence kinetics of Brownian emulsions, in: D.N. Petsev (Ed.), Emulsions: Structure Stability and Interactions, Elsevier, London, 2004, p. 351.
45. Saether O., H. Sjoblom, S.S. Dukhin, Droplet flocculation and coalescence in dilute oil-in-water emulsions, in: Food Emulsions, 2004, Ch. 5.
46. Sterling Jr. M.C., J.S. Bonner, A.N.S. Ernest, C.A. Page, R.L. Autenrieth, Chemical dispersant effectiveness testing: influence of droplet coalescence, Marine Pollution Bulletin 48(9–10) (2004) 969–977.
47. Urbina–Villalba G., J. Toro–Mendoza, A. Lozsan, M. Garcia–Sucre, Brownian dynamics simulations of emulsion stability, in: D.N. Petsev (Ed.), Emulsions: Structure Stability and Interaction, Elsevier, London, 2004, p. 677.
48. Sanfeld A., A. Steinchen, N. Mishchuk, Energy barrier in dense W/O emulsions, Colloids Surfaces A 261(1–3) (2005) 101–107.
49. Urbina–Villalba G., M. Garcia–Sucre, Role of the secondary minimum on the flocculation rate of nondeformable droplets, Langmuir 21(15) (2005) 6675–6687.
50. Abe M., K. Kamogawa, Surfactant-free emulsions, in: Encyclopedia of Surface and Colloid Scienof Surface and Colloid Science, 2006, 6092.
51. Avila C., Interfacial phenomena in oil-in-water emulsions, PhD Thesis, Toulusa University, 2006.
52. Urbina–Villalba G., A. Lozsan, J. Toro–Mendoza, K. Rahn, M. Garcia–Sukre, Aggregation dynamics in systems of coalescing non–deformable droplets, J. Molecular Structure–Theochem 769(1–3) (2006) 171–181.
53. Dukhin A.S., S.S. Dukhin, P.J. Goetz, Gravity as a factor of aggregative stability and coagulation, Advances in Colloid and Interface Science 134–135 (2007) 35–71.
54. Zhang S., J. Chen, Synthesis of open porous emulsion–templated monoliths using cetyltrimethylammonium bromide, Polymer 48(11) (2007) 3021–3025.
55. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
56. Urbina–Villalba G., An algorithm for emulsion stability simulations: account of flocculation, coalescence, surfactant adsorption and the process of Ostwald ripening, Int. J. Mol. Sci. 10 (2009) 761–804.
57. Dukhin A.S., S.S. Dukhin, Rapid Brownian and gravitational coagulation, Colloids and Interface Science Series vol. 1 (2010) 345–378.
58. Rojas C., G. Urbina–Villalba, M. Garcia–Sucre, Lifetime of micrometer–sized drops of oil pressed by buoyancy against a planar interface, Physical Review E 81(1) (2010) Art. No. 016302.
59. Rojas C., M. Garcia–Sucre, G. Urbina–Villalba, Lifetime of oil drops pressed by buoyancy against a planar interface: Large drop, Physical Review E 82(5) (2010) Art. No. 056317.
60. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
61. Dukhin A.S., S.S. Dukhin, Rapid brownian and gravitational coagulation, Colloid Stability: The Role of Surface Forces, Part II, 2 (2011) 345–378.
62. Ibarra-Bracamontes L.A., G. Viramontes-Gamboa, A. Sanchez, M. Chaves-Paez, Brownian dynamics for modeling the evaluation of double emulsions, WMSCI 2011 – The 15th World Multi-Conference on Systemics, Cybernetics and Informatics, Proceedings, 3 (2011) 188–192.

63. Osorio P., G. Urbina–Villalba, Influence of drop deformability on the stability of devane-in-water emulsions, J. Surfactants and Detergents 14(2) (2011) 281–300.
64. Rahn-Chique K., A.M. Puertas, M.S. Rumero-Cano, C. Rojas, G. Urbina-Villalba, Nanoemulsion stability: experimental evaluation of the flocculation rate from turbidity measurements, Adv. Colloid Interface Sci. 178 (2012) 1–20.
65. Rayat K., F. Feyzi, Estimation of the electric field strength required for breaking the water-in-oil emulsion: A thermodynamic approach considering droplets deformation and the effect of interfacial tension, Fluid Phase Equilibria 316 (2012) 156–163.
66. Yeh S.-I., W.-F. Fang, H.-J. Sheen, J.-T. Jang, Droplets coalescence and mixing with identical and distinct surface tension on a wettability gradient surface tension, Microfludics and Nanofluidics, 14(5) (2013) 785–795.
67. Zwicker D., Physical description of centrosomes as active droplets, PhD Thesis, Technical University Dresden, 2013.
68. Azizi K., M. Nikazar, Kinetics model of destabilization of oil droplets in oily wastewater emulsions, Journal of Dispersion Science and Technology 36(11) (2014) 1581–1587.
69. Dukhin A.S., S.S. Dukhin, Rapid Brawnian and gravitational coagulation, in: Colloid Stability, 2014, Ch. 11.
70. Erramreddy V.V., Ghosh S., Influence of emulsifier concentration on nanoemulsion gelation, Langmuir 30 (2014) 11062–11074.
71. Rayat K., F. Feyzi, Thermodynamic modeling of water-in-oil emulsions: Implementation for two sizes of droplets, Colloid and Surfaces A 441 (2014) 758–765.
72. Guo Q., Behaviour of emulsion gels in the human mouth and simulated gastrointestinal trac, PhD Thesis, Massey Iniversity, New Zealand, 2015.
73. Yarlagadda S.C., Dynamics of hard and soft colloids in confined geometries and on structured surfaces, PhD Thesis, Georgia Institute of Technology, 2015.
74. Yeh S.-I., H.-J. Sheen, J.-T. Jang, Chemical reaction and mixing inside a coalesced dropet after head-on collision, Microfludics and Nanofluidics 18(56) (2015) 1355–1363.
75. Sokolovic R.M.S., D.S. Sokolovic, D.D. Govedarica, Liquid-liquid separation using steady-state bed coalescer, Hemijska Industrija 4 (2016) 367–381.
76. Fukui Y., H. Takamatsu, K. Fujimoto, Creation of hybrid polimer particles through morphological tunning of CaCO3 crystals in miniemulsion systems, Colloids Surfaces A 516 (2017) 1–8.
77. Olejnik A., A. Sliwowska, I. Nowak, Jasmonic acid, methyl jasmonate and methyl dihydrojasmonate as active compounds of topical formulations, Colloids and Surfaces A 558 (2018) 558–569.
78. Gong S., N. Gao, L. Han, H. Luo, A theoretical model for bubble coalescence by coupling film drainage with approach processes, Chemical Engineering Science 213 (2020) Art. No. 115387.
79. Tian S., W. Gao, Y. Liu, W. Kang, Study of the stability of heavy crude oil-in-water emulsions stabilized by two different hydrophobic amphiphilic polymers, Colloids and Surfaces A 572 (2019) 299–306.
80. Zhang X., J. Niu, J.-Y. Wu, Development and characterization of new silicon nanoparticles-embedded PCM-in-water emulsions for thermal energy storage, Applied Energy 238 (2019) 1407–1416.
81. Джакупова Ж.Е., Ж.К. Жактанбаева, К.С. Мейрамкулова, Р.С. Бегалиева, Влияние минеральных солей пластавой воды высоковязких нефтей на емульгирование в присуствие амфифильных полимеров, Химический журнал Казахстана 4(72) (2020) 82–88.

031 N.D. Denkov, D.N. Petsev, K.D. Danov, Interaction between deformable Brownian droplets, Phys. Rev. Lett. 71(19) (1993) 3226–3229. (**Citations: 35**)

1. Binks B., Emulsions, Annual Rep. Royal Soc. Chem. 92 (1995) 97–133.
2. Dukhin S.S., J. Sjoblom, in: J. Sjoblom (Ed.), Emulsion and Emulsion Stability, Marcel Dekker, 1996, pp. 41–181.
3. Koper G.J.M., W.F.C. Sager, D. Bedeaiix, Thermodynamics of aggregation in droplet–phase water/AOT/oil microemulsions, Ber. Bunsen Phys. Chem. 100(3) (1996) 320–322.
4. Poulin P., J. Bibette, Wetting of emulsions droplets: from macroscopic to colloidal scale, Phys. Rev. Lett. 79(17) (1997) 3290–3293.
5. Bieker T., S. Dietrich, Wetting of curved surfaces, Physica A 252(1–2) (1998) 85–137.
6. Binks B.P., in: B.P. Binks (Ed.), Modern Aspects of Emulsion Science, Royal Soc. Chem., 1998, Ch. 1.
7. Miklavcic S.J., Perturbation analysis of droplet deformation under electric double layer forces, Phys. Rev. E 57(1) (1998) 561–568.
8. Bibette J., F.L. Calderon, P. Poulin, Emulsions: basic principles, Rep. Prog. Phys. 62(6) (1999) 969–1033.

9. Li X.–S., J.–F. Lu, Y.–G. Li, J.–C. Liu, A new molecular thermodynamic model for osmotic pressures in micelle and oil/water microemulsion systems with nonionic and ionic surfactants, Ind. Eng. Chem. Res. 38(7) (1999) 2817–2823.
10. Xiaosen L., L. Jiufang, L. Yigui, L. Jinshen, F. Dong, Osmotic pressure equation of uncharged micelle and oil/water microemulsion systems, Chinese J. Chem. Eng. 7(3) (1999) 271–277.
11. Dukhin S.S., O. Saether, J. Sjoblom, in: J. Sjoblom (Ed.), Encyclopedic Handbook of Emulsion Technology, Marcel Dekker, New York, 2001, pp. 71–93.
12. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 3.
13. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two–Dimensional Arrays, Elsevier, Amsterdam, 2001, Ch. 6.
14. Paunov V.N., S.I. Sandler, E.W. Kaler, Critical size and surfactant coverage of styrene miniemulsion droplets stabilized by ionic surfactants, Langmuir 17(13) (2001) 4126–4128.
15. Bibette J., in: Emulsion Science: Basic Principles. An overview, Springer, Berlin, 2002, Ch. 2.
16. Gurkov T.D., E. Basheva, in: Encyclopedia of Surface and Colloid Science, Marcel Decker, 2002.
17. Miklavcic S.J., P. Attard, Sufficient conditions for the stability and instability of a fluid boundary subjected to local stress, Journal of Physics A: Mathematical and General 35(19) (2002) 4335–4347.
18. Surface Forces, Springer Tr. Mod. Phys. 181 (2002) 5–45.
19. Fu D., J. Lu, J. Liu, Y. Li, New equation of state for microemulsion system, Journal Chemical Industry Eng. (China) 54(6) (2003) 725–730.
20. Sterling M.C., Aggregation and Transport Kinetics of Crude Oil and Sediment in Estuarine Waters, PhD Thesis, University of Oklahoma, MS, Texas A&M University, USA, 2003.
21. Cortat F. P.–A., S.J. Miklavcic, Using stable and unstable profiles to deduce deformation limits of the air–water interface, Langmuir 20(8) (2004) 3208–3220.
22. Fu D., J.–F. Lu, W. Wu, Y.–G. Li, Study on osmotic pressure and liquid–liquid equilibria for micelle, colloid and microemulsion systems by Yukawa potential, Chinese J. Chem. 22(7) (2004) 627–637.
23. Sterling M.C., J.S. Bonner, A.N.S. Ernest, C.A. Page, R.L. Autenrieth, Chemical dispersant effectiveness testing: Influence of droplet coalescence, Marine Pollution Bulletin 48(9–10) (2004) 969–977.
24. Dagreou S., B. Mendiboure, A. Allal, G. Marin, J. Lachaise, P. Marchal, L. Choplin, Modeling of the linear viscoelastic properties of oil–in–water emulsions, J. Colloid Interface Sci. 282(1) (2005) 202–211.
25. Kottke P.A., A. Saillard, A.G. Fedorov, Droplet growth and transition to coalescence in confined geometries, Langmuir 22(13) (2006) 5630–5635.
26. Podgorska W., Rozpad i koalelescencja kropel w intermitentnym polu burzliwym, Chemical Engineering Processes 30(1) (2006) 3–264.
27. Leal-Calderon F., J. Bibette, V. Schmitt, Emulsion Science: Basic Principles, 2007.
28. Mostowfi F., K. Khristov, J. Czarnecki, J. Masliyah, S. Bhattacharjee, Electric field mediated breakdown of thin liquid films separating microscopic emulsion droplets, Appl. Physics Lett. 90(18) (2007) Art. No. 184102.
29. Wang Y.Z., D. Wu, X.M. Xiong, J.X. Zhiang, Universal and scaling behavior at the proximity of the solid to the deformable air–water interface, Langmuir 23(24) (2007) 12119–12124.
30. Sanfeld A., A. Steinchen, Emulsions stability, from dilute to dense emulsions – Role of drops deformation, Advances in Colloid and Interface Science 140(1) (2008) 1–65.
31. Xiao J., W. Li, Study on osmotic pressure of non–ionic and ionic surfactant solutions in the micellar and microemulsion regions, Fluid Phase Equilibria 263(2) (2008) 231–235.
32. Foudazi R., Models for structure rheology of highly concentrated emulsions, PhD Thesis, CPUT, 2009.
33. Foudazi R., I. Masalova, A. Ya. Malkin, The role of interdroplet interaction in the physics of highly concentrated emulsions, Colloid Journal 72(1) (2010) 74–92.
34. Toro–Mendoza J., A. Lozsan, M. Garcia–Sucre, S.A.J. Castellanos, Urbina–Villalba G., Influence of droplet deformability on the coalescence rate of emulsions, Physical Review E 81(1) (2010) Art. No. 011405.
35. Shen B.Q., Transport and self-assembly of droplets in microfluidic devices, PhD Thesis, Ecole Centrale Paris, 2014.

026 К.Д. Данов, Об одной модели уединенных внутренних гравитационных волн в бегграничной изотермической атмосфере, Геомагнетизм и аэрономия XXIX(2) (1989) 343–344. (**Citations: 2**)

1. L. Stenflo, Acoustic gravity vortices in the atmosphere, Zeitschrift fur Naturforschung Section A – A Journal of Physical Sciences 46(6) (1991) 560–560.

2. Chernogor L.F., V. L. Frolov, Features of the wave disturbances in the ionosphere during periodic heating of the plasma by the “sura” radiation, Radiophysics and Quantum Electronics, 56(5) (2013) 276–289.

021 K. Danov, I.B. Ivanov, Z.Z. Zapryanov, E. Nakache, S. Raharimalala, Marginal stability of emulsion thin films, in: M.G. Velarde (Ed.), Proceedings of the Conference of Synergetics, Order and Chaos, October 13–17, 1987, Madrid, Spain, World Scientific, Singapore, 1987, pp. 178–192. (**Citations: 6**)

1. Kralchevsky P.A., K. Nagayama, Particles at Fluid Interfaces and Membranes. Attachment of Colloid Particles and Proteins to Interfaces and Formation of Two−Dimensional Arrays, Elsevier, Amsterdam, 2001.
2. Вълковска Д.С., Влияние на повърхностно активните вещества върху динамиката и устойчивостта на тънки течни филми, Дисертация за присвояване на научната и образователна степен “доктор”, София, 2001.
3. Denkov N.D., Mechanism of foam destruction by oil−based antifoams, Langmuir 20(22) (2004) 9463−9505.
4. Denkov N.D., K.G. Marinova, Antifoam effects of solid particles, oil drops and oil−solid compounds in aqueous foams, in: B.P. Binks, T.S. Horozov (Eds.), Colloidal Partices at Liquid Interfaces, Cambridge University Press, Cambridge, 2006, p. 383.
5. Kralchevky P.A., N.D. Denkov, Ivan B. Ivanov: remarkable figure in colloid science, Colloids Surfaces A 282−283 (2006) 1−7.
6. Thoroddsen S.T., Crown breakup by Marangoni instablity, J. Fluid Mech. 557 (2006) 63−72.

017 D. Vandev, K. Danov, P. Mateev, P. Petrov, M. Kartalev, N. Trendafilov, Z.K. Smith, M. Dryer, Development of a real−time algorithm for detection of solar wind discontinuities, Astrophys. Space Sci. 120 (1986) 211–221. (**Citations: 2**)

1. Ayer S.M., C.A. Hein, G.P Seeley, J.N. Bass, M.J. Kendra, Integrated efforts for analysis of geophysical measurements and models, ADA346154, 1997.
2. Kruparova O., M. Maksimovic, J. Safrankova, Z. Nemecek, O. Santolik, V. Krupar, Automated interplanetary shock detection and its application to wind observations, Journal of Geophysical Research A 118(8) (2013) 4793–4803.

004 К.Д. Данов, М.С. Рудерман, Нелинейные волны на мелкой воде в присутствии горизонтального магнитного поля, Изв. АН СССР, Механика жидкости и газа 5 (1983) 110–115. (**Citations: 9**)

1. Korsunskii S.V., I.T. Selezov, Korteweg-de Vries-type equations in the theory of surface waves in electrically conducting fluids, Fluid Dynamics 24 (1989) 975−978.
2. Korsunskii S.V., Internal waves in two-layer electrically conducting fluid in the presence of a magnetic field, Fluid Dynamics 25 (1990) 737−740.
3. Fonseca G., F. Linares, Benjamin−Ono equation with unbounded data, J. Mathematical Analysis Applications 247(2) (2000) 426−447.
4. Linares F., H.J. Ortega, On the controllability and stabilization of the linearized Benjamin–Ono equation, ESAIM − Control, Optimisation and Calculus of Variations 11 (2005) 204–218.
5. Linares F., G. Ponce, Introduction to nonlinear dispersive equations, Springer, 2009.
6. Linares F., L. Rosier, Control and stabilization of the Benjamin-Ono equation on a periodic domain, Cornell University, 2012, 1209.5014.
7. Linares F., L. Rosier, Control and stabilization of the Benjamin-Ono equation on a periodic domain, Transactions of the American Mathematical Society 367 (2015) 4595–4626.
8. Hunt M., Two-dimensional surface waves in magnetohydrodynamics, Journal of Plasma Physics 85(4) (2019) Art. No. 905850405.
9. Tomilin A.K., N.F. Kurilskaya, Selectivity of electromagnetic influence on the oscillations of heavy conductive liquid in a chanel, Journal of Allplied and Industrial Mathematics 13(2) (2019) 363–371.