

Н-индекс на Българска академия на науките - 173

Н-индексът е въведен за оценка на научните постижения на отделни учени, но напоследък той все по-често се използва за оценяване както на актуалността на различни области от науката, така и за научни институции. Съгласно Web of Knowledge Н-индексът на Българската академия на науките към 15.08.2017 г. е 173. За сравнение, Н-индексът на България е около 210. Макар и да не отчита редица фактори, като например различна средна цитируемост в отделните науки, Н-индексът дава първоначална обща представа за влиянието на дадена институция.

По-долу е представен списък на публикациите на учени от БАН, които са цитирани поне 173 пъти всяка. Имената на авторите от БАН са показани с удебелен шрифт. Включени са само статии, в които е даден адресът на съответното структурно звено на БАН. Част от статиите (35) са публикувани в резултат на широко международно сътрудничество и са с повече от 50 съавтора, като в тези случаи не са изписани имената на всички съавтори.

№	Автори	Заглавие	Списание, том, стр.	Година	Институт ^a	Цитирания
1	Beringer, J; Petcov, ST and 188 more	Review of Particle Physics, Particle Data Group	Physical Review D, vol. 86, art. No 010001	2012	ИЯИЯЕ	5008
2	Nakamura, K; Petcov, ST and 175 more	Review of Particle Physics	Journal of Physics G-Nuclear and Particle Physics, vol. 37, art No 075021	2010	ИЯИЯЕ	4173
3	Olive, KA; Petcov, ST and 205 more	Review of Particle Physics, Particle Data Group	Chinese Physics C., vol. 38, Art. UNSP 090001	2014	ИЯИЯЕ	4334
4	Chatrchyan, S; Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vankov, I; Vutova, M; Roumenin, C; Uzunova, D; Zahariev, R and 2874 more	Observation of a New Boson at a Mass of 125 GeV with the CMS Eexperiment at the LHC	Physics Letters B, vol. 716, p. 30	2012	ИЯИЯЕ, ИР	4049
5	Atanassov, KT	Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 20, p. 86	1987	ИББИ	3492
6	McClusky, S; Balassanian, S; Barka, A; Demir, C; Ergintav, S; Georgiev, I; Gurkan, O; Hamburger, M; Hurst, K; Kahle, H; Kastens, K;;Kekelidze, G; King, R; Kotzev, V; Lenk, O; Mahmoud, S; Mishin, A; Nadariya, M; Ouzounis, A; Paradissis, D; Peter, Y; Prilepin, M; Reilinger, R; Sanli, I; Seeger, H; Tealeb, A; Toksöz, MN; Veis, G.)	Global Positioning System Constraints on Plate Kinematics and Dynamics in the Eastern Mediterranean and Caucasus	Journal of Geophysical Research: Solid Earth vol. 105, p. 5695	2000	НИПГГ	1169
7	Atanassov, K; Gargov, G	Interval Valued Intuitionistic Fuzzy-Sets	Fuzzy Sets and Systems, vol. 31, p. 343	1989	ИББИ	1070
8	Velikova, V.; Yordanov, I.; Edreva, A	Oxidative Stress and Some Antioxidant	Plant Science, vol. 151, p.	2000	ИФРГ	940

		Systems in Acid Rain-treated Bean Plants - Protective Role of Exogenous Polyamines	59			
9	Ackermann, W; Tsakov, I and 152 more	Operation of a Free-electron Laser from the Extreme Ultraviolet to the Water Window	Nature Photonics, vol. 1, p. 336	2007	ИЯИЯЕ	846
10	Todorov, T; Nikolova, L; Tomova, N	Polarization Holography 1. A New High-Efficiency Organic Material with Reversible Photoinduced Birefringence	Applied Optics vol. 23, p. 4309	1984	ИОМТ	742
11	Hadjiivanov, KI	Identification of Neutral and Charged NxOy Surface Species by IR Spectroscopy	Catalysis Reviews - Science and Engineering, vol. 42, p. 71	2000	ИОНХ	735
12	Baker, CA; Doyle, DD; Geltenbort, P; Green, K; Van Der Grinten, MGD; Harris, PG; Iaydjiev, P; Ivanov, SN ; May, DJR; Pendlebury, JM; Richardson, JD; Shiers, D; Smith, KF	Improved Experimental Limit on the Electric Dipole Moment of the Neutron	Physical Review Letters, vol. 97, art. 131801	2006	ИЯИЯЕ	717
13	Schael, S Shivarov N.; Stoyanov B.; Sultanov G. and 2508 more	Precision Electroweak Measurements on the Z Resonance	Physics Reports - Review Section of Physics Letters, vol. 427, p. 257	2006	ИР	700
14	Angelova, MI; Dimitrov, DS	Liposome Electroformation	Faraday Discussions, vol. 81, p. 303	1986	ИББИ	667
15	Kashchiev, D	Nucleation, Basic Theory with Applications	Book, Butterworth-Heinemann, Oxford, UK	2000	ИФХ	630
16	Koynova, R ; Caffrey, M	Phases and Phase Transitions of the Phosphatidylcholines	Biochimica et Biophysica Acta - Reviews on Biomembranes, vol. 1376, p. 91	1998	ИББИ	620
17	Gospodinova, N; Terlemezyan, L	Conducting Polymers Prepared by Oxidative Polymerization: Polyaniline	Progress in Polymer Science, vol. 23, p. 1443	1998	ИП	606
18	Hadjiivanov, KI ; Vayssilov, GN	Characterization of Oxide Surfaces and Zeolites by Carbon Monoxide as an IR Probe Molecule	Advances in Catalysis vol. 47, p. 307	2002	ИОНХ	604
19	Koleva, II; van Beek, TA; Linssen, JPH; de Groot, A; Evstatieva, LN	Screening of Plant Extracts for Antioxidant Activity: a Comparative Study on Three Testing Methods	Phytochemical Analysis, vol. 13, p. 8	2002	ИББИ	600
20	Vitanov, NV ; Halfmann, T; Shore, BW; Bergmann, K	Laser-induced Population Transfer by Adiabatic Passage Techniques	Annual Review of Physical Chemistry, vol. 52, p. 763	2001	ИФТТ	595
21	Klein Tank, AMG; Wijngaard, JB; Können, GP; Böhm, R; Demarée, G; Gocheva, A ; Mileta, M; Pashiardis, S; Hejkrlik, L; Kern-Hansen, C; Heino, R; Bessemoulin, P; Müller-Westermeier, G; Tzanakou, M; Szalai, S; Pálsdóttir, T; Fitzgerald, D; Rubín, S; Capaldo, M; Maugeri, M; Leitass, A;	Daily Dataset of 20 th -century Surface Air Temperature and Precipitation Series for the European Climate Assessment	International Journal of Climatology, vol. 22, p. 1441	2002	НИМХ	581

	Bukantis, A; Aberfeld, R; Van Engelen, AFV; Forland, E; Mietus, M; Coelho, F; Mares, C; Razuvaev, V; Nieplova, E; Cegnar, T; Antonio López, J; Dahlström, B; Moberg, A; Kirchhofer, W; Ceylan, A; Pachaliuk, O; Alexander, LV; Petrovic, P.					
22	Kujumgiev, A; Tsvetkova, I; Serkedjieva, Y; Bankova, V; Christov, R; Popov, S	Antibacterial, Antifungal and Antiviral Activity of Propolis of Different Geographic Origin	Journal of Ethnopharmacology, vol. 64, p. 235	1999	ИМБ, ИОХЦФ	560
23	Bankova, VS; de Castro, SL; Marcucci, MC	Propolis: Recent Advances in Chemistry and Plant Origin	Apidologie, vol. 31, p. 3	2000	ИОХЦФ	558
24	Angelova, MI; Soléau, S.; Méléard, P; Faucon, F; Bothorel, P	Preparation of Giant Vesicles by External AC Electric-fields-Kinetics and Applications	Progress in Colloid & Polymer Science, vol. 89, p. 127	1992	ИББИ	538
25	Bilenky, SM; Petcov, ST	Massive Neutrinos and Neutrino Oscillations	Reviews of Modern Physics, vol. 59, p. 671	1987	ИЯИЯЕ	533
26	Bayatian, GL; Anguelov, J; Antchev, G; Atanasov, I; Damgov, J; Dardenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Panev, P; Piperov, S; Stoykova, S; Sultanov, G; Vankov, I. and 1996 more	CMS Physics Technical Design Report, Volume II: Physics Performance	Journal of Physics G: Nuclear and Particle Physics, Vol. 34, p. 995	2007	ИЯИЯЕ	521
27	Schael, S; Shivarov N.; Stoyanov B.; Sultanov G. and 1208 more	Search for Neutral MSSM Higgs Bosons at LEP	European Physical Journal C, vol. 47, p. 547	2006	ИР	517
28	Dimitrov, I; Trzebicka, B; Muller, AHE; Dworak, A; Tsvetanov, CB	Thermosensitive Water-soluble Copolymers with Doubly Responsive Reversibly Interacting Entities	Progress in Polymer Science, vol. 32, p. 1275	2007	ИП	506
29	Chatrchyan, S Anguelov, T; Antchev, G; Atanasov, I; Damgov, J; Dardenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Marinov, A; Piperov, S; Stoykova, S; Sultanov, G; Trayanov, R; Vankov, I; Aleksandrov, V and 3084 more	The CMS Experiment at the CERN LHC	Journal of Instrumentation vol. 3, art. S08004	2008	ИЯИЯЕ, ИР	503
30	Atanassov, KT	More on Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 33, p. 37	1989	ИББИ	493
31	Alexieva, V; Sergiev, I; Mapelli, S; Karanov, E	The Effect of Drought and Ultraviolet Radiation on Growth and Stress Markers in Pea and Wheat	Plant Cell and Environment, vol. 24, p. 1337	2001	ИФРГ	474
32	Stoykova, A., Gruss, P	Roles of Pax-genes in Developing and Adult Brain as Suggested by Expression Patterns	Journal of Neuroscience, vol. 14, p. 1395	1994	ИМБ	470

33	Vassilev, SV; Baxter, D; Andersen, LK; Vassileva, CG	An Overview of the Chemical Composition of Biomass	Fuel, vol. 89, p. 913	2010	ИМК	458
34	Loreto, F; Velikova, V	Isoprene Produced by Leaves Protects the Photosynthetic Apparatus Against Ozone Damage, Quenches Ozone Products, and Reduces Lipid Peroxidation of Cellular Membranes	Plant Physiology, vol. 127, p. 1781	2001	ИФРГ	442
35	Kazakov, VA; Kostov, IK; Migdal, AA	Critical Properties of Randomly Triangulated Planar Random Surfaces	Physics Letters B, vol. 157, p. 295	1985	ИЯИЯЕ	440
36	Hadjiivanov, KI; Klissurski, DG	Surface Chemistry of Titania (Anatase) and Titania-supported Catalysts	Chemical Society Reviews, vol. 25, p. 61	1996	ИОНХ	436
37	Chatrchyan, S Genchev, V; Iaydjiev, P; Piperov, P; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M and 2261 more	Combined Results of Searches for the Standard Model Higgs Boson in pp Collisions at $\sqrt{s} = 7$ TeV	Physics Letters B, vol. 710, p. 26	2012	ИЯИЯЕ	433
38	Patrignani, C Petcov, ST and 220 more	Review of Particle Physics Particle Data Group	Chinese Physics C, vol. 40, art. UNSP 100001	2016	ИЯИЯЕ	426
39	Mintova, S; Olson, NH; Valtchev, V; Bein, T	Mechanism of Zeolite A Nanocrystal Growth from Colloids at Room Temperature	Science, vol. 283, p. 958	1999	ИМК	409
40	Bilenky, SM; Hošek, J; Petcov, ST	On the Oscillations of Neutrinos with Dirac and Majorana Masses	Physics Letters B, vol. 94, p. 495	1980	ИЯИЯЕ	407
41	Harris, PG; Baker, CA; Green, K; Iaydjiev, P; Ivanov, S; May, DJR; Pendlebury, JM; Shiers, D; Smith, KF; Van Der Grinten, M; Geltenbort, P	New Experimental Limit on the Electric Dipole Moment of the Neutron	Physical Review Letters, vol. 82, p. 904	1999	ИЯИЯЕ	387
42	Machado, JT; Kiryakova, V; Mainardi, F	Recent History of Fractional Calculus	Communications in Nonlinear Science and Numerical Simulation, vol. 16, p. 1140	2011	ИМИ	383
43	Rosso, OA; Blanco, S; Yordanova, J; Kolev, V; Figliola, A; Schurmann, M; Basar, E	Wavelet Entropy: a New Tool for Analysis of Short Duration Brain Electrical Signals	Journal of Neuroscience Methods, vol. 105, p. 65	2001	ИФРГ	383
44	Actis, M Maneva G.; Bonev J.; Dimitrov D. and 668 more	Design Concepts for the Cherenkov Telescope Array CTA: an Advanced Facility for Ground-based High-energy γ -Ray Astronomy	Experimental Astronomy, vol. 32, p. 193	2011	ИЯИЯЕ, ИАНАО	373
45	Burkhard, B; Kroll, F; Nedkov, S; Muller, F	Mapping Ecosystem Service Supply, Demand and Budgets	Ecological Indicators, vol. 21, p. 17	2012	НИПТТ	348
46	Atanassov, KT	New Operations Defined over the Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 61, p. 137	1994	ИББИ	343

47	Faulkner, KM; Liochev, SI ; Fridovich, I	Stable Mn(III) Porphyrins Mimic Superoxide Dismutase in Vitro and Substitute for It in Vivo	Journal of Biological Chemistry, vol. 269, p. 23471	1994	ИФРГ	342
48	Boccuzzi, F; Chiorino, A; Manzoli, M; Andreeva, D; Tabakova, T	FTIR Study of the Low-temperature Water-gas Shift Reaction on Au/Fe ₂ O ₃ and Au/TiO ₂ Catalysts	Journal of Catalysis, vol. 188, p. 176	1999	ИК	338
49	Vitanov, NV ; Fleischhauer, M; Shore, BW; Bergmann, K	Coherent Manipulation of Atoms and Molecules by Sequential Laser Pulses	Advances in Atomic, Molecular, and Optical Physics, vol. 46, p. 55	2001	ИФТТ	337
50	Popov, E ; Nevière, M; Enoch, S; Reinisch, R	Theory of Light Transmission through Subwavelength Periodic Hole Arrays	Physical Review B - Condensed Matter and Materials Physics, vol. 62, p. 16100	2000	ИФТТ	336
51	Kashchiev, D.	Solution of the Non-steady State Problem in Nucleation Kinetics	Surface Science, vol. 14, p. 209	1969	ИФХ	336
52	Atanassov, KT	Operators over Interval Valued Intuitionistic Fuzzy Sets	Fuzzy Sets and Systems, vol. 64, p. 159	1994	ИББИ	330
53	Liochev, SI ; Fridovich, I	The Role of O ₂ · ⁻ in the Production of HO·: In-vitro and In-vivo	Free Radical Biology and Medicine, vol. 16, p. 29	1994	ИФРГ	328
54	Khachatryan, V Darmenov, N; Dimitrov, L; Genchev, V; Iaydjiev, P; Piperov, S; Stoykova, S; Sultanov, G; Trayanov, R.; Vankov, I. and 2061 more	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s} = 7$ TeV	Physical Review Letters, vol. 105, art. 022002	2010	ИЯИЯЕ	327
55	Andreeva, D; Idakiev, V; Tabakova, T; Ilieva, L; Falaras, P; Bourlinos, A; Travlos, A	Low-temperature Water-gas Shift Reaction over Au/CeO ₂ Catalysts	Catalysis Today, vol. 72, p. 51	2002	ИК	327
56	Chatrchyan, S V. Genchev, V; Iaydjiev, P.; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M and 2269 more	Centrality Dependence of Dihadron Correlations and Azimuthal Anisotropy Harmonics in PbPb Collisions at Root s(NN)=2.76 TeV	European Physical Journal D, vol. 72, art. 2012	2012	ИЯИЯЕ	316
57	Chatrchyan, S; Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M and 2186 more	Study of the Inclusive Production of Charged Pions, Kaons, and Protons in pp collisions at root s = 0.9, 2.76, and 7 TeV	European Physical Journal C, Vol. 72, art. 2164	2012	ИЯИЯЕ	316
58	Georgiev, V; Todorova, G	Existence of a Solution of the Wave-Equation with Nonlinear Damping and Source Terms	Journal of Differential Equations, vol. 109, p. 295	1994	ИМИ	314
59	Aurbach, D; Markovsky, B; Salitra, G; Markevich, E; Talyossef, Y; Koltypin, M; Nazar, L; Ellis, B; Kovacheva, D	Review on Electrode-Electrolyte Solution Interactions, Related to Cathode Materials for Li-ion Batteries	Journal of Power Sources, vol. 165, p. 491	2007	ИОНХ	312
60	Dimitrov, LI	Mud Volcanoes - The Most Important Pathway	Earth Science Reviews, vol.	2002	ИО	310

		for Degassing Deeply Buried Sediments	59, p. 49			
61	Arabatzis, IM; Stergiopoulos, T; Andreeva, D; Kitova, S; Neophytides, SG; Falaras, P	Characterization and Photocatalytic Aactivity of Au/TiO ₂ Thin Films for Azo-dye Degradation	Journal of Catalysis, vol. 220, p. 127	2003	ИК, ИОМТ	309
62	Fernandes, P; Cruz, A; Angelova, B; Pinheiro, HM; Cabral, JMS	Microbial Conversion of Steroid Compounds: Recent Developments	Enzyme and Microbial Technology, vol. 32, p. 688	2003	ИМБ	308
63	Netzeva, TI; Worth, AP; Aldenberg, T; Benigni, R; Cronin, MTD; Gramatica, P; Jaworska, JS; Kahn, S; Klopman, G; Marchant, CA; Myatt, G; Nikolova-Jeliazkova, N; Patlewicz, GY; Perkins, R; Roberts, DW; Schultz, TW; Stanton, DT; van de Sandt, JJM; Tong, WD; Veith, G; Yang, CH	Current Status of Methods for Defining the Applicability Domain of (Quantitative) Structure-Activity Relationships - The Report and Recommendations of ECVAM Workshop 52	ATLA - Alternatives to Laboratory Animals, vol. 33, p. 155	2005	ИИКТ	302
64	Ryan, WBF; Pitman, WC; Major, CO; Shimkus, K; Moskalenko, V; Jones, GA; Dimitrov, P; Gorur, N; Sakinc, M; Yuce, H	An Abrupt Drowning of the Black Sea Shelf	Marine Geology, vol. 138, p. 119	1997	ИО	301
65	Chatrchyan, S Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vutova, M and 2183 more	Observation of Long-range, Near-Side Angular Correlations in pPb Collisions at the LHC	Physics Letters B, vol. 718, p. 795	2013	ИЯИЯЕ	295
66	Rashkov, I.; Manolova, N; Li, SM; Espartero, JL; Vert, M.	Synthesis, Characterization, and Hydrolytic Degradation of PLA/PEO/PLA Triblock Copolymers with Short Poly(l-lactic acid) Chains	Macromolecules, vol. 29, p. 50	1996	ИП	294
67	Li, SM; Rashkov, I.; Espartero, JL; Manolova, N; Vert, M.	Synthesis, Characterization, and Hydrolytic Degradation of PLA/PEO/PLA Triblock Copolymers with Long Poly(L-lactic acid) Blocks	Macromolecules, vol. 29, p. 57	1996	ИП	293
68	Albert, J. Maneva, GT; Temnikov, PT; Vankov, HT and 140 more	Variable Very High Energy γ -Ray Emission from Markarian 501	Astrophysical Journal, vol. 669, p. 862	2007	ИЯИЯЕ	290
69	Albert, J. ... Maneva, G; Jemnikov, P; Vankov, K and 144 more	Variable Very-high-energy Gamma-ray Emission from the Microquasar LS I + 61 303	Science, vol. 312, p. 1771	2006	ИЯИЯЕ	290
70	Gatev, P; Thomas, S; Kepple, T; Hallett, M	Feedforward Ankle Strategy of Balance During Quiet Stance in Adults	Journal of Physiology-London, vol. 514, p. 915	1999	ИФРГ	284
71	Hamelin, A; Vitanov, T; Sevastyanov, E; Popov, A	The Electrochemical Double-Layer on sp Metal Single-Crystals – the Current Status of Data	Journal of Electroanalytical Chemistry, vol. 145, p. 225	1983	ИЕЕС	284
72	Kagan, V; Serbinova, E; Packer, L	Antioxidant Effects of Ubiquinones in Microsomes and Mitochondria are Mediated by Tocopherol Recycling	Biochemical and Biophysical Research Communications, vol. 169, p. 851	1990	ИФРГ	282

73	Lohr, D; Venkov, P; Zlatanova, J	Transcriptional Regulation in the Yeast Gal Gene Family - a Complex Genetic Network	FASEB Journal, vol. 9, p. 777	1995	ИМБ, ИФРГ	282
74	Boulatov, DV; Kazakov, VA; Kostov, IK ; Migdal, AA	Analytical and Numerical Study of a Model of Dynamically Triangulated Random Surfaces	Nuclear Physics B, vol. 275, p. 641	1986	ИЯИЯЕ	281
75	Jaworska, J; Nikolova-Jeliazkova, N ; Aldenberg, T	QSAR Applicability Domain Estimation by Projection of the Training Set in Descriptor Space: A Review	Atla-Alternatives to Laboratory Animals, vol. 33, p. 445	2005	ИИКТ	280
76	Albert, J. Temnikov, P; Vankov, HV and 146 more	Very-high-energy γ -Rays from a Distant Quasar: How Transparent is the Universe?	Science, vol. 320, p. 1752	2008	ИЯИЯЕ	279
77	Kiskinova, M ; Goodman, D	Modification of Chemisorption Properties by Electronegative Adatoms – H ₂ and CO on Chlorided, Sulfided, and Phosphided Ni(100) Surface	Surface Science, vol. 108, p. 64	1981	ИОНХ	279
78	Agostinelli, G; Delabie, A; Vitanov, P; Alexieva, B. ; Dekkers, HFW; De Wolf, S; Beaucarne, G	Very Low Surface Recombination Velocities on p-Type Silicon Wafers Passivated with a Dielectric with Fixed Negative Charge	Solar Energy Materials and Solar Cells, Vol. 90, p. 3438	2006	ЦЛСЕНЕИ	278
79	Yordanov, I; Velikova, V; Tsonev, T	Plant Responses to Drought, Acclimation, and Stress Tolerance	Photosynthetica, vol. 38, p. 171	2000	ИФРГ	276
80	Kashchiev, D	On the Relation Between Nucleation Work, Nucleus Size, and Nucleation Rate	Journal of Chemical Physics, vol. 76, p. 5098	1982	ИФХ	270
81	Budevski, E; Staikov, G ; Lorenz, WJ	Electrocrystallization Nucleation and Growth Phenomena	Electrochimica Acta, vol. 45, p. 2559	2000	ИЕЕС	269
82	Adriani, O; Antonov, L; Betev, BL; Dimitrov HR; Krastev, VR and 475 more	Results From the L3 Experiment at LEP	Physics Reports-Review Section of Physics Letters, vol. 236, p. 1	1993	ИМех	269
83	Balarew, C; Duhlev, R	Application of the Hard and Soft Acids and Bases Concept to Explain Ligand Coordination in Double Salt Structures	Journal of Solid State Chemistry, vol. 55, p. 1	1984	ИОНХ	269
84	Aaron, FD Tsakov, I and 540 more	Combined Measurement and QCD Analysis of the Inclusive e [±] p Scattering Cross Sections at HERA	Journal of High Energy Physics, vol. 2010, p. 109	2010	ИЯИЯЕ	268
85	Manova, K ; Huang, EJ; Angeles, M; Deleon, V; Sanchez, S; Pronovost, SM; Besmer, P; Bachvarova, RF	The Expression Pattern of the C-Kit Ligand in Gonads of Mice Supports a Role for the C-Kit Receptor in Oocyte Growth and in Proliferation of Spermatogonia	Developmental Biology, vol. 157, p. 85	1993	ИЕМПАМ	266
86	Petcov, ST	On Pseudo-Dirac Neutrinos, Neutrino Oscillations and Neutrinoless Double Beta-Decay	Physics Letters B, vol. 110, p. 245	1982	ИЯИЯЕ	265
87	Chatrchyan, S Darmenov, N; Dimitrov, L;	Observation and Sstudies of Jet Quenching in	Physical Review C, vol. 84,	2011	ИЯИЯЕ	263

	Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Tcholakov, V; Trayanov, R; Vankov, I and 2134 more	PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	pap. 024906			
88	Bankova, V	Recent Trends and Important Developments in Propolis Research	Evidence-Based Complementary and Alternative Medicine, vol. 2, p. 29	2005	ИОХЦФ	263
89	Yanishlieva, NV; Marinova, EM; Gordon, MH; Raneva, VG	Antioxidant Activity and Mechanism of Action of Thymol and Carvacrol in Two Lipid Systems	Food Chemistry, vol. 64, p. 59	1999	ИОХЦФ	261
90	Ayvazyan, V Tsakov, I and 126 more	First Operation of a Free-electron Laser Generating GW Power Radiation at 32 nm Wavelength	European Physical Journal D, vol. 37, p. 297	2006	ИЯИЯЕ	260
91	Bankova, V	Chemical Diversity of Propolis and the Problem of Standardization	Journal of Ethnopharmacology, vol. 100, p. 114	2005	ИОХЦФ	255
92	Georgiev, OI, Nikolaev, N, Hadjiolov, AA, Skryabin, KG, Zakharyev, VM, Bayev, AA	The Structure of the Yeast Ribosomal-RNA Genes 4. Complete Sequence of the 25S-RRNA Gene from <i>Saccharomyces Cerevisiae</i>	Nucleic Acids Research, vol. 9, p. 6953	1981	ИМБ	250
93	Oxtoby, DW, Kashchiev, D	A General Relation Between the Nucleation Work and the Size of the Nucleus in Multicomponent Nucleation	Journal of Chemical Physics, vol. 100, p. 7665	1994	ИФХ	250
94	Mohapatra, RN; Antusch, S; Babu, KS; Barenboim, G; Chen, MC; de Gouvea, A; de Holanda, P; Dutta, B; Grossman, Y; Joshipura, A; Kayser, B; Kersten, J; Keum, YY; King, SF; Langacker, P; Lindner, M; Loinaz, W; Masina, I; Mocioiu, I; Mohanty, S; Murayama, H; Pascoli, S; Petcov, ST ; Pilaftsis, A.; Ramond, P.; Ratz, M.; Rodejohann, W.; Shrock, R.; Takeuchi, T.; Underwood, T.; Wolfenstein, L.	Theory of Neutrinos: a White Paper	Reports on Progress in Physics, vol. 70, p. 1757	2007	ИЯИЯЕ	248
95	Kashchiev, D ; van Rosmalen, GM	Review: Nucleation in Solutions Revisited	Crystal Research and Technology, vol. 38, p. 555	2003	ИФХ	248
96	Dolgov, AD; Hansen, SH; Pastor, S; Petcov, ST ; Raffelt, GG; Semikoz, DV	Cosmological Bounds on Neutrino Degeneracy Improved by Flavor Oscillations	Nuclear Physics B, vol. 632, p. 363	2002	ИЯИЯЕ	247
97	Stoeva, S; Klabunde, KJ; Sorensen, CM; Dragieva, I	Gram-scale Synthesis of Monodisperse Gold Colloids by the Solvated Metal Atom Dispersion Method and Digestive Ripening and Their Organization into Two- and Three-dimensional Structures	Journal of the American Chemical Society, vol. 124, p. 2305	2002	ИЕЕС	244
98	Karakashev, D ; Batstone, DJ; Angelidaki, I	Influence of Environmental Conditions on Methanogenic Compositions in Anaerobic	Applied and Environmental Microbiology, vol. 71, p.	2005	ИМБ	239

		Biogas Reactors	331			
99	Basu, P; Panayotov, D ; Yates, JT.	Rhodium - Carbon Monoxide Surface Chemistry - The Involvement of Surface Hydroxyl Groups on Al ₂ O ₃ and SiO ₂ Supports	Journal of the American Chemical Society, vol. 110, p. 2074	1988	ИОНХ	239
100	Nikolova, L ; Todorov, T	Diffraction Efficiency and Selectivity of Polarization Holographic Recording	Optica Acta, vol. 31, p. 579	1984	ИОМТ	238
101	Marcucci, MC; Ferreres, F; Garcia-Viguera, C; Bankova, VS ; De Castro, SL; Dantas, AP; Valente, PHM; Paulino, N	Phenolic Compounds from Brazilian Propolis with Pharmacological Activities	Journal of Ethnopharmacology, vol. 74, p. 105	2001	ИОХЦФ	236
102	Altankov, G ; Grinnell, F; Groth, T	Studies on the Biocompatibility of Materials: Fibroblast Reorganization of Substratum-bound Fibronectin on Surfaces Varying in Wettability	Journal of Biomedical Materials Research, vol. 30, p. 385	1996	ИББИ	236
103	Sforcin, JM; Bankova, V	Propolis: Is There a Potential for the Development of New Drugs?	Journal of Ethnopharmacology, vol. 133, p. 253	2011	ИОХЦФ	235
104	Christov, CV ; Blotz, A; Kim, HC; Pobylytsa, P; Watabe, T; Meissner, T; Arriola, ER; Goeke, K	Baryons as Non-topological Chiral Solitons	Progress in Particle and Nuclear Physics, vol. 37, p. 91	1996	ИЯИЯЕ	234
105	Zhelev, DV ; Needham, D	Tension-Stabilized Pores in Giant Vesicles - Determination of Pore-Size and Pore Line Tension	Biochimica et Biophysica Acta, vol. 1147, p. 89	1993	ИББИ	233
106	Sforcin, JM; Fernandes, A; Lopes, CAM; Bankova, V ; Funari, SRC	Seasonal Effect on Brazilian Propolis Antibacterial Activity	Journal of Ethnopharmacology, vol. 73, p. 243	2000	ИОХЦФ	230
107	Balaz, P; Achimovicova, M; Balaz, M; Billik, P; Cherkezova-Zheleva, Z ; Criado, JM; Delogu, F; Dutkova, E; Gaffet, E; Gotor, FJ; Kumar, R; Mitov, I ; Rojac, T; Senna, M; Streletskii, A; Wiczorek-Ciurowa, K	Hallmarks of Mechanochemistry: From Nanoparticles to Technology	Chemical Society Reviews, vol. 42, p. 7571	2013	ИК	229
108	Dobrev, VK ; Petkova, VB	All Positive Energy Unitary Irreducible Representations of Extended Conformal Supersymmetry	Physics Letters B, vol. 162, p. 127	1985	ИЯИЯЕ	227
109	Navrátil, P; Gueorguiev, VG ; Vary, JP; Ormand, WE; Nogga, A	Structure of A=10-13 Nuclei with Two- Plus Three-nucleon Interactions from Chiral Effective Field Theory	Physical Review Letters, vol. 99, art. 042501	2007	ИЯИЯЕ	226
110	Zadrozny, JM; Atanasov, M ; Bryan, AM; Lin, CY; Rekken, BD; Power, PP; Neese, F; Long, JR	Slow Magnetization Dynamics in a Series of Two-coordinate Iron(II) Complexes	Chemical Science, vol. 4, p. 125	2013	ИОНХ	225
111	Todorov, IT	Quasipotential Equation Corresponding to the Relativistic Eikonal Approximation	Physical Review D, vol. 3, p. 2351	1971	ИФТТ	225
112	Cai, Z; Lazarov, R ; Manteuffel, TA; McCormick,	First-order System Least-Squares for Second-	Siam Journal on Numerical	1994	ИМИ	225

	SF	order Partial-Differential Equations 1.	Analysis, vol. 31, p. 1785			
113	Atanassova, N; McKinnell, C; Turner, KJ; Walker, M; Fisher, JS; Morley, M; Millar, MR; Groome, NP; Sharpe, RM	Comparative Effects of Neonatal Exposure of Male Rats to Potent and Weak (Environmental) Estrogens on Spermatogenesis at Puberty and the Relationship to Adult Testis Size and Fertility: Evidence for Stimulatory Effects of Low Estrogen Levels	Endocrinology, vol. 141, p. 3898	2000	ИЕМПАМ	223
114	Zadrozny, JM; Xiao, DJ; Atanasov, M; Long, GJ; Grandjean, F; Neese, F; Long, JR	Magnetic Blocking in a Linear Iron(I) Complex	Nature Chemistry, vol. 5, p. 577	2013	ИОНХ	221
115	Raidal, M Petcov ST and 88 more	Flavor Physics of Leptons and Dipole Moments	European Physical Journal C, vol. 57, p. 13	2008	ИЯИЯЕ	220
116	Acharya, BS Dimitrov, D; Maneva, G.; Vankov, H. and 972 more	Introducing the CTA Concept	Astroparticle Physics, vol. 43, p. 3	2013	ИЯИЯЕ, ИАНАО	218
117	Cuddy, AJC; Amy JC; Fiske, ST; Kwan, VSY; Glick, P; Demoulin, S; Leyens, JP; Bond, MH; Croizet, JC; Ellemers, N; Sleebos, E; Htun, TT; Kim, HJ; Maio, G; Perry, J; Petkova, K; Todorov, V; Rodriguez-Bailon, R; Morales, E; Moya, M; Palacios, M; Smith, V; Perez, R; Vala, J; Ziegler, R	Stereotype Content Model Across Cultures: Towards Universal Similarities and Some Differences	British Journal of Social Psychology, Vol. 48, p. 1	2009	ИИОЗ	217
118	Chatrchyan, S; Genchev V.; Iaydjiev, P.; Piperov, S.; Rodozov, M.; Stoykova, S.; Sultanov, G.; Tcholakov, V.; Trayanov, R.; Vutova M. and 2201 more	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs	Physical Review Letters, vol. 110, pap. 081803	2013	ИЯИЯЕ	214
119	Dimitrova, NA; Dimitrov, GV	Interpretation of EMG Changes with Fatigue: Facts, Pitfalls, and Fallacies	Journal of Electromyography and Kinesiology, vol. 13, p. 13	2003	ИББИ	214
120	Damyanova, S; Perez, CA; Schmal, M; Bueno, JMC	Characterization of Ceria-Coated Alumina Carrier	Applied Catalysis A-General, vol. 234, p. 271	2002	ИК	214
121	Chatrchyan, S Genchev, V; Iaydjiev, P; Piperov, S; Rodozov, M; Sultanov, G; Vutova, M and 2193 more	Multiplicity and Transverse Momentum Dependence of Two- and Four-particle Correlations in pPb and PbPb Collisions	Physics Letters B, vol. 724, p. 213	2013	ИЯИЯЕ	213
122	Aad, G ... Aleksandrov, A; Genchev, V; Hadjiiska, R; Iaydjiev, P; Marinov, A; Piperov, S; Rodozov, M; Stoykova, S; Sultanov, G; Vutova, M and 5143 more	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments	Physical Review Letters, vol. 114, art. 191803	2015	ИЯИЯЕ	212
123	Demirevska-Kepova, K; Simova-Stoilova, L; Stoyanova, Z; Holzer, R; Feller, U	Biochemical Changes in Barley Plants after Excessive Supply of Copper and Manganese	Environmental and Experimental Botany, vol. 52, p. 253	2004	ИФРГ	211
124	Faucon, JF; Mitov, MD; Meleard, P; Bivas, I;	Bending Elasticity and Thermal Fluctuations of	Journal de Physique, vol.	1989	ИФТТ	211

	Bothorel, P	Lipid-Membranes - Theoretical and Experimental Requirements	50, p. 2389			
125	Alt, C Genchev, V and 97 more	Pion and Kaon Production in Central Pb plus Pb Collisions at 20A and 30A GeV: Evidence for the Onset of Deconfinement	Physical Review C, vol. 77, art. 024903	2008	ИЯИЯЕ	210
126	Price, GL; Kanazirev, V	Ga ₂ O ₃ /HZSM-5 Propane Aromatization Catalysts - Formation of Active Centers via Solid-State Reaction	Journal of Catalysis, vol. 126, p. 267	1990	ИОХЦФ	209
127	Pujol, MC; Rico, M; Zaldo, C; Sole, R; Nikolov, V ; Solans, X; Aguilo, M; Diaz, F	Crystalline Structure and Optical Spectroscopy of Er ³⁺ -doped KGd(WO ₄) ₂ Single Crystals	Applied Physics B-Lasers and Optics, vol. 68, p. 187	1999	ИОНХ	208
128	Yanishlieva, NV, Marinova, E ; Pokorny, J	Natural Antioxidants from Herbs and Spices	European Journal of Lipid Science and Technology, vol. 108, p. 776	2006	ИОХЦФ	206
129	Hadjiivanov, K ; Saussey, J; Freysz, JL; Lavalley, JC	FT-IR study of NO + O ₂ Coadsorption on H-ZSM-5: Reassignment of the 2133 cm ⁻¹ Band to NO ⁺ Species	Catalysis Letters, vol. 52 p. 103	1998	ИОНХ	206
130	Krantev, A; Yordanova, R ; Janda, T; Szalai, G; Popova, L	Treatment with Salicylic Acid Decreases the Effect of Cadmium on Photosynthesis in Maize Plants	Journal of Plant Physiology, vol. 165, p. 920	2008	ИФРГ	205
131	Holopainen, JM; Angelova, MI ; Kinnunen, PKJ	Vectorial Budding of Vesicles by Asymmetrical Enzymatic Formation of Ceramide in Giant Liposomes	Biophysical Journal, vol. 78, p. 830	2000	ИББИ	205
132	Andreeva, D; Idakiev, V; Tabakova, T; Andreev, A	Low-temperature Water-gas Shift Reaction over Au/ α -Fe ₂ O ₃	Journal of Catalysis, vol. 158, p. 354	1996	ИК	204
133	Kortelainen, M; Lesinski, T; More, J; Nazarewicz, W; Sarich, J; Schunck, N; Stoitsov, MV ; Wild, S	Nuclear Energy Density Optimization	Physical Review C, vol. 82, art. 024313	2010	ИЯИЯЕ	201
134	Liu, CJ; Vissokov, GP ; Jang, BWL	Catalyst Preparation using Plasma Technologies	Catalysis Today, vol. 72, p. 173	2002	ИЕ	201
135	Manova, K ; Bachvarova, RF	Expression of C-Kit Encoded at the W Locus of Mice in Developing Embryonic Germ-Cells and Presumptive Melanoblasts	Developmental Biology, vol. 146, p. 312	1991	ИЕМПАМ	201
136	Atanassova, N ; McKinnell, C; Walker, M; Turner, KJ; Fisher, JS; Morley, M; Millar, MR; Groome, NP; Sharpe, RM	Permanent Effects of Neonatal Estrogen Exposure in Rats on Reproductive Hormone Levels, Sertoli Cell Number, and the Efficiency of Spermatogenesis in Adulthood	Endocrinology, vol. 140, p. 5364	1999	ИЕМПАМ	201
137	Meleard, P; Gerbeaud, C; Pott, T; Fernandez Puente, L; Bivas, I; Mitov, MD ; Dufourcq, J; Bothorel, P	Bending Elasticities of Model Membranes: Influences of Temperature and Sterol Content	Biophysical Journal, vol. 72, p. 2616	1997	ИФТТ	200
138	Leuba, SH; Yang, GL; Robert, C; Samori, B;	3-Dimensional Structure of Extended	Proceedings of the National	1994	ИФРГ	199

	Vanholde, K; Zlatanova, J ; Bustamante, C	Chromatin Fibers as Revealed by Tapping-mode Scanning Force Microscopy	Academy of Sciences of the United States of America, vol. 91, p. 11621			
139	Constantin, A; Gerdjikov, VS ; Ivanov, RI	Inverse Scattering Transform for the Camassa-Holm Equation	Inverse Problems, vol. 22, p. 2197	2006	ИЯИЯЕ	198
140	Devore, RA; Jawerth, B; Popov, V	Compression of Wavelet Decompositions	American Journal of Mathematics, vol. 114, p. 737	1992	ИМИ	196
141	Ignatova, M ; Starbova, K ; Markova, N ; Manolova, N ; Rashkov, I	Electrospun Nano-fibre Mats with Antibacterial Properties from Quaternised Chitosan and Poly(vinyl alcohol)	Carbohydrate Research, vol. 341, p. 2098	2006	ИП ИОМТ ИМБ	196
142	Albert, J; Maneva, G ; Temnikov, P . Vankov, H and 139 more	VHE γ -ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope	Astrophysical Journal, vol. 674, p. 1037	2008	ИЯИЯЕ	195
143	Vassilev, SV ; Baxter, D; Andersen, LK; Vassileva, CG ; Morgan, TJ	An Overview of the Organic and Inorganic Phase Composition of Biomass	Fuel, vol. 94, p. 1	2012	ИК	194
144	Atanassov, K ; Pasi, G; Yager, R	Intuitionistic Fuzzy Interpretations of Multi-Criteria Multi-Person and Multi-Measurement Tool Decision Making	International Journal of Systems Science, vol. 36, p. 859	2005	ИББИ	194
145	Zhecheva, E ; Stoyanova, R	Stabilization of the Layered Crystal-Structure of LiNiO ₂ by Co-Substitution	Solid State Ionics, vol. 66, p. 143	1993	ИОНХ	193
146	Tabakova, T ; Boccuzzi, FB; Manzoli, M; Andreeva, D	FTIR Study of Low-temperature Water-gas Shift Reaction on Gold/Ceria Catalyst	Applied Catalysis A-General, vol. 252, p. 385	2003	ИК	192
147	Kiskinova, M ; Pirug, G.; Bonzel, HP	Co-adsorption of Potassium and CO on Pt(111)	Surface Science, vol. 133, p. 321	1983	ИОНХ	192
148	Judd, AG; Hovland, M; Dimitrov, LI ; Garcia-Gil, S; Jukes, V	The Geological Methane Budget at Continental Margins and its Influence on Climate Change	Geofluids, vol. 2, p. 109	2002	ИО	191
149	Chatrchyan, S. Darmenov, N ; Genchev, V ; Iaydjiev, P ; Piperov, S ; Rodozov, M ; Stoykova, S ; Sultanov, G ; Tcholakov, V ; Trayanov, R ; Vutova, M and 2244 more	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy	Physical Review Letters, vol. 107, art. 221804	2011	ИЯИЯЕ	190
150	Stoitsov, MV ; Dobaczewski, J; Nazarewicz, W; Pittel, S; Dean, DJ	Systematic Study of Deformed Nuclei at the Drip Lines and Beyond	Physical Review C, vol. 68, art. 054312	2003	ИЯИЯЕ	190
151	Chatrchyan, S. ... Genchev, V ; Iaydjiev, P ; Piperov, S ; Rodozov, M ; Sultanov, G ; Vutova, M and 2210 more	Measurement of the $B_s^0 \mu^+ \mu^-$ Branching Fraction and Search for $B^0 \mu^+ \mu^-$ with the CMS Experiment	Physical Review Letters, vol. 111, art. 101804	2013	ИЯИЯЕ	188
152	Hirschi, M; Seneviratne, SI; Alexandrov, V ; Boberg, F; Boroneant, C; Christensen, OB; Formayer, H; Orłowsky, B; Stepanek, P	Observational Evidence for Soil-moisture Impact on Hot Extremes in Southeastern Europe	Nature Geoscience, vol. 4, p. 17	2011	НИМХ	188
153	Bürger, H; Kneipp, K; Hobert, H; Vogel, W;	Glass Formation, Properties and Structure of	Journal of Non-Crystalline	1992	ИЯИЯЕ	188

	Kozhukharov, V; Neov, S	Glasses in the TeO ₂ /ZnO System	Solids, vol. 151, p. 134			
154	Idakiev, V; Yuan, ZY; Tabakova, T; Su, BL	Titanium Oxide Nanotubes as Supports of Nano-Sized Gold Catalysts for Low Temperature Water-Gas Shift Reaction	Applied Catalysis A-General, vol. 281, p. 149	2005	ИК	187
155	Akkoyun, S. Balabanski, DL; Detistov, P; Petkov, P; Stefanova, E and 349 more	AGATA-Advanced GAMMA Tracking Array	Nuclear Instruments & Methods in Physics Research Section A -Accelerators Spectrometers Detectors and Associated Equipment, vol. 668, p. 26	2012	ИЯИЯЕ	186
156	Masson, O Penev, I and 80 more	Tracking of Airborne Radionuclides from the Damaged Fukushima Dai-Ichi Nuclear Reactors by European Networks	Environmental Science & Technology, vol. 45, p. 7670	2011	ИЯИЯЕ	186
157	Aktas, A Mladenov, D; Nankov, K; Stoilov, A; Tsakov, I and 289 more	Measurement and QCD Analysis of the Diffractive Deep-inelastic Scattering Cross Section at HERA	European Physical Journal C, vol. 48, p. 715	2006	ИЯИЯЕ	186
158	Grigorova, M; Blythe, HJ; Blaskov, V; Rusanov, V; Petkov, V; Masheva, V; Nihtianova, D; Martinez, LM; Munoz, JS; Mikhov, M	Magnetic Properties and Moessbauer Spectra of Nanosized CoFe ₂ O ₄ Powders	Journal of Magnetism and Magnetic Materials, vol. 183, p. 163	1998	ИОНХ, ИМК	186
159	Guzzo, MM; Masiero, A; Petcov, ST	On the MSW Effect with Massless Neutrinos and no Mixing in the Vacuum	Physics Letters B, vol. 260, p. 154	1991	ИЯИЯЕ	186
160	Abrashev, MV; Litvinchuk, AP; Iliev, MN; Meng, RL; Popov, VN; Ivanov, VG; Chakalov, RA; Thomsen, C	Comparative Study of Optical Phonons in the Rhombohedrally Distorted Perovskites LaAlO ₃ and LaMnO ₃	Physical Review B, vol. 59, p. 4146	1999	ИЕ	185
161	Andreeva, D; Idakiev, V; Tabakova, T; Andreev, A; Giovanoli, R	Low-temperature Water-gas Shift Reaction on Au/ α -Fe ₂ O ₃ Catalyst	Applied Catalysis A-General, vol. 134, p. 275	1996	ИК	185
162	Dozov, I	On the Spontaneous Symmetry Breaking in the Mesophases of Achiral Banana-Shaped Molecules	Europhysics Letters, vol. 56, p. 247	2001	ИФТТ	184
163	Tzolov, M; Tzenov, N; Dimova-Malinovska, D; Kalitzova, M; Pizzuto, C; Vitali, G; Zollo, G; Ivanov, I	Vibrational Properties and Structure of Undoped and Al-doped ZnO Films Deposited by RF Magnetron Sputtering	Thin Solid Films, vol. 379, p. 28	2000	ЦЛСЕНЕИ, ИФТТ	183
164	Exerowa, D; Kolarov, T; Khristov, K	Direct Measurement of Disjoining Pressure in Black Foam Films 1. Films From an Ionic Surfactant	Colloids And Surfaces, vol. 22, p. 171	1987	ИФХ	183
165	Podobnik, B; Grosse, I; Horvatic, D; Ilic, S; Ivanov, PC; Stanley, HE	Quantifying Cross-correlations Using Local and Global Detrending Approaches	European Physical Journal B, vol. 71, p. 243	2009	ИФТТ	182
166	Langacker, P; Petcov, ST; Steigman, G; Toshev, S	Implications of the Mikheyev-Smirnov-Wolfenstein (MSW) Mechanism of	Nuclear Physics B, vol. 282, p. 589	1987	ИЯИЯЕ	182

		Amplification of Neutrino Oscillations in Matter				
167	Galperin, A; Ivanov, E; Kalitzin, S; Ogievetsky, V; Sokatchev, E	Unconstrained Off-Shell N=3 Supersymmetric Yang-Mills Theory	Classical and Quantum Gravity, vol. 2, p. 155.	1985	ИЯИЯЕ	180
168	Rotach, MW; Vogt, R; Bernhofer, C; Batchvarova, E ; Christen, A; Clappier, A; Feddersen, B; Gryning, SE; Martucci, G; Mayer, H; Mitev, V; Oke, TR; Parlow, E; Richner, H; Roth, M; Roulet, YA; Ruffieux, D; Salmond, JA; Schatzmann, M; Voogt, JA	BUBBLE - An Urban Boundary Layer Meteorology Project	Theoretical and Applied Climatology, vol. 81, p. 231	2005	НИМХ	178
169	Bilenky, SM; Pascoli, S; Petcov, ST	Majorana Neutrinos, Neutrino Mass Spectrum, CP Violation, and Neutrinoless Double Beta Decay: The Three-Neutrino Mixing Case	Physical Review D, Vol. 64, Art. 053010	2001	ИЯИЯЕ	178
170	Galperin, A; Ivanov, E; Ogievetsky, V; Sokatchev, E.	Harmonic Supergraphs – Green - Functions	Classical and Quantum Gravity, vol. 2, p. 601.	1985	ИЯИЯЕ	177
171	Damyanova, S ; Bueno, JMC	Effect of CeO ₂ Loading on the Surface and Catalytic Behaviors of CeO ₂ -Al ₂ O ₃ -supported Pt Catalysts	Applied Catalysis A-General, vol. 253, p. 135	2003	ИК	176
172	Dobрева, A ; Gutzow, I	Activity of Substrates in the Catalyzed Nucleation of Glass-Forming Melts 2. Experimental-Evidence	Journal of Non-Crystalline Solids, vol. 162, p. 13	1993	ИФХ	175
173	Huang, EJ; Manova, K ; Packer, AI; Sanchez, S; Bachvarova, RF; Besmer, P	The Murine Steel Panda Mutation Affects Kit Ligand Expression and Growth of Early Ovarian Follicles	Developmental Biology, vol. 157, p. 100	1993	ИЕМПАМ	174
174	Antonov, L; Gergov, G; Petrov, V ; Kubista, M; Nygren, J	UV-Vis Spectroscopic and Chemometric Study on the Aggregation of Ionic Dyes in Water	Talanta, vol. 49, p. 99	1999	ИОХЦФ	173

^a ИАНАО - Институт по астрономия с Национална астрономическа обсерватория, Institute of Astronomy and National Astronomical Observatory (IA)

ИББИ - Институт по биофизика и биомедицинско инженерство, Institute of Biophysics and Biomedical Engineering (IBBE) обединява Института по биофизика и Централна лаборатория по биомедицинско инженерство (Institute of Biophysics and Centre of Biomedical Engineering)

ИБЕИ - Институт по биоразнообразие и екосистемни изследвания, Institute of Biodiversity and Ecosystem Research (IBER) обединява Институт по зоология, Институт по ботаника и Централна лаборатория по обща екология (Institute of Zoology, Institute of Botany and Central Laboratory of General Ecology)

ИЕ - Институт по електроника, Institute of Electronics (IE)

ИЕЕС - Институт по електрохимия и енергийни системи "Акад. Евгени Будевски", Institute of Electrochemistry and Energy Systems "Academician Evgeni Budevski" (IEES)
Преди - Централна лаборатория по електрохимични източници на ток, Central Laboratory of Electrochemical Power Sources

ИЕМПАМ - Институт по експериментална морфология, патология и антропология с музей, Institute of Experimental Morphology, Pathology and Anthropology with Museum (IEMRAM)

ИИКТ - Институт по информационни и комуникационни технологии, Institute of Information and Communication Technologies (ИКТ) обединява Институт по паралелна обработка на информацията, Институт по информационни технологии и Институт по компютърни и комуникационни системи (Institute for Parallel Processing, Institute of Information Technologies and Institute of Computer and Communication Systems)

ИИОЗ - Институтът за изследвания на обществата и знанието, Institute for the Study of Societies and Knowledge (ISSK) обединява Института за философски изследвания, Института по социология и Центъра по наукознание и история на науката (Institute for Philosophical Research, Institute of Sociology and Centre for Science Studies and History of Science)

ИК - Институт по катализ, Institute of Catalysis (IC)

ИМб - Институт по микробиология „Стефан Ангелов“, Stephan Angeloff Institute of Microbiology (IMb)

ИМБ - Институт по молекулярна биология "Акад. Румен Цанев", Institute of Molecular Biology (IMB)

ИМех - Институт по механика, Institute of Mechanics (IMech)

ИМИ - Институт по математика и информатика, Institute of Mathematics and Informatics (IMI)

ИМК - Институт по минералогия и кристалография „Акад. Ив. Костав“, Institute of Mineralogy and Crystallography "Acad. Ivan Kostov" (IMC)

ИО - Институт по океанология, Institute of Oceanology (IO)

ИОМТ - Институт по оптически материали и технологии "Акад. Йордан Малиновски", Institute of Optical Materials and Technologies "Academician Jordan Malinovski" (ИОМТ) обединява Централната лаборатория по фотопроекти и Централната лаборатория по оптичен запис и обработка на информация (Central Laboratory of Photo-processes and Central Laboratory of Optical Recording and Processing of Information)

ИОНХ - Институт по обща и неорганична химия, Institute of General and Inorganic Chemistry (IGIC)

ИОХЦФ - Институт по органична химия с Център по фитохимия, Institute of Organic Chemistry with Centre of Phytochemistry (ИОХЦФ)

ИП - Институт по полимери, Institute of Polymers (IP)

ИР - Институт по роботика, Institute of Robotics (IR) обединява Институт по управление и системни изследвания и Централна лаборатория по мехатроника и приборостроене (Institute for Control and System Research and Central Laboratory for Mechatronics and Instrumentation (CLMP))

ИФРГ - Институт по физиология на растенията и генетика, Institute of Plant Physiology and Genetics (ИФРГ) обединява Институт по физиология на растенията и Институт по генетика (Institute of Plant Physiology and Institute of Genetics)

ИФТТ - Институт по физика на твърдото тяло, Institute of Solid State Physics (ISSP)

ИФХ - Институт по физикохимия "Акад. Ростислав Каишев", Institute of Physical Chemistry "Rostislav Kaischew" (IPC)

ИЯИЯЕ - Институт за ядрени изследвания и ядрена енергетика, Institute for Nuclear Research and Nuclear Energy (INRNE)

НИГГГ - Национален институт по геофизика, геодезия и география, National Institute of Geophysics, Geodesy and Geography (NIGGG)

НИМХ - Национален институт по метеорология и хидрология, National Institute of Meteorology and Hydrology (NIMH)

ЦЛСЕНЕИ - Централна лаборатория по слънчева енергия и нови енергийни източници, Central Laboratory for Solar Energy and New Energy Sources (CLSENES)