

Публикации и Цитирания (без автоцитати) 2019-2024

на Стефан Иванов

Цитирания - 702 за периода 2019 -2024;

h-index за периода 2019-2024 = 15;

Сумарен Импакт Фактор за периода 2019-2024: IF = 16,784

3 юни 2024 г.

Съдържание

1	Публикации за периода 2019-2024	1
2	Препринти/статии с текущите докторанти M.Thchomakova, N. Stanchev в периода 2019-2024 в arXiv.org	2
3	Стефан Иванов-Цитирания за периода 2019-2024	3

1 Публикации за периода 2019-2024

1. "Solution of the qc Yamabe equation on a 3-Sasakian manifold and the quaternionic Heisenberg group (with Ivan Minchev, Dimitar Vassilev), **Analysis & PDE** 16:3 (2023), 839-860.
IF - 2.200 (2022) 27/330 - В първите 10% - Q1(Wos).
2. "The Almost Schur Lemma in Quaternionic Contact Geometry", (with A. Petkov), **Rev. Real Acad. Cienc. Exactas Fis. Nat. Ser. A-Mat.(RACSAM)** (2023) 117:77, <https://doi.org/10.1007/s13398-023-01403-z>
IF- 2.900 (2022)/ - В първите 5% - Q1(Wos).
3. "The CR Almost Schur Lemma and the positivity conditions", (with A. Petkov), **Ann. Sc. Norm. Super. Pisa Cl. Sci.(5) XIII** , 2023, DOI: 10.2422/2036-2145.202301_011.
IF - 1.400 (2022) - Q1(Wos).
4. "Para-Sasaki-like Riemannian manifolds and new Einstein metrics (with H.Manev and M.Manev), **Rev. Real Acad. Cienc. Exactas Fis. Nat. Ser. A. -Mat.,(RACSAM)**, 115 (2021), no. 3, Paper No. 112, 20 pp.
IF- 2.276, 26/333 - В първите 10% - Q1(Wos).
5. "Non-symmetric Riemannian gravity and Sasaki-Einstein 5-manifolds"(with Milan Zlatanovic), **Classical Quantum Gravity**, volume 37, number 2, 25002 (2020).
IF-3.528 Q2-(Wos)
6. "Formality of 7-dimensional 3-Sasakian manifolds (with Marisa Fernandez and Vicente Munoz), **Ann. Scuola. Norm. Super. Pisa Cl. Sci.**, (5) 19 (2019), no. 1, 297-309.
IF - 1.030 - Q2(Wos).

7. "Non-umbilical quaternionic contact hypersurfaces in hyper-Kähler manifolds" (with Ivan Minchev and Dimitar Vassilev), **Intern. Math. Research Notices (IMRN)** (2019) no. 18, 5649-5673.
IF - 1.291 - Q1(Wos).
8. "A sub-Riemannian Bonnet-Myers theorem for quaternionic contact structures (with Davide Barilari), **Calculus of Variations and PDE**, (2019) 58: 37.
IF - 1.526 - Q1(Wos).
9. "On the Strominger system and holomorphic deformations (with Luis Ugarte), **The Journal of Geometric Analysis**, (2019), volume 29, 917-935.
IF - 0.924 - Q2(Wos).

2 *Препринти/статии с текущите докторанти M.Tchomakova, N. Stanchev в периода 2019-2024 в arXiv.org*

1. "The Riemannian curvature identities on Almost Complex Calabi-Yau with torsion 6-manifold and generalized Ricci solitons", (with doktorant N. Stanchev), to appear after minor modifications in **Ann. Mat. Pura Appl.** (2024), arXiv:2307.05001.
IF- 1.0 (2022) = Q2(Wos).
2. "The Riemannian Bianchi identities of metric connections with skew torsion and generalized Ricci solitons", with (N. Stanchev), arXiv:2307.03986.
3. "The Riemannian curvature identities of a G_2 connection with skew-symmetric torsion and generalized Ricci solitons", with (N.Stanchev), arXiv:2307.05619.
4. "Geometry of paraquaternionic contact structures", with (Marina Tchomakova and Simeon Zamkovoy), arXiv:2404.16713.
5. "Conformal para quaternionic contact curvature and the local flatness theorem", with (Marina Tchomakova and Simeon Zamkovoy), arXiv:2404.16703.

3 Стефан Иванов-Цитирания за периода 2019-2024

Book **Extremals of the Sobolev inequality and the quaternionic contact Yamabe problem, (with D. Vassilev), World Scientific Publishing Co., Lecture Notes, 2011.**

цитирания - 45

1. Feifan Wu and Wei Wang, *On the Yamabe Problem on contact Riemannian Manifolds*, October 2019, Annals of Global Analysis and Geometry 22(2), DOI: 10.1007/s10455-019-09675-8
2. Yun Shi, Wei Wang, *The tangential k -Cauchy-Fueter complexes and Hartogs' phenomenon over the right quaternionic Heisenberg group*, Annali di Matematica Pura ed Applicata, (1923 -) (2020) 199:651-680. <https://doi.org/10.1007/s10231-019-00895-0>.
3. Patrizia Pucci, *Critical Schrödinger-Hardy systems in the Heisenberg group*, Amer. Inst. Math.Sc., April 2019, 12(2): 375-400. doi: 10.3934/dcdss.2019025, Discrete Contin. Dyn. Syst. Ser. S 12 (2019), no. 2, 375-400.
4. Patrizia Pucci, *Existence and multiplicity results for quasilinear equations in the Heisenberg group*, Opuscula Mathematica 39(2) (2019):247-257, DOI: 10.7494/OpMath.2019.39.2.247
5. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
6. D'Onofrio, L., & Molica Bisci, G., *Some remarks on gradient-type systems on the Heisenberg group*, Complex Variables and Elliptic Equations, (2019), 1-15. doi:10.1080/17476933.2019.1565408
7. Fabrice Baudoin, Erlend Grong, Gianmarco Molino, Luca Rizzi, *Comparison theorems on H -type sub-Riemannian manifolds*, arXiv:1909.03532.
8. Giovanni Molica Bisci, Dushan D. Repovsh, *Gradient-Type Systems on Unbounded Domains of the Heisenberg Group*, Journal of Geometric Analysis (2019), DOI: 10.1007/s12220-019-00276-2.
9. Sara Bordoni, Roberta Filippucci, Patrizia Pucci, *Existence Problems on Heisenberg Groups Involving Hardy and Critical Terms*, October 2019 Journal of Geometric Analysis, DOI: 10.1007/s12220-019-00295-z
10. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
11. Patrizia Pucci, Letizia Temperini, *Existence for (p, q) critical systems in the Heisenberg group*, March 2019, Advances in Nonlinear Analysis 9(1):895-922; DOI: 10.1515/anona-2020-0032
12. Patrizia Pucci, Letizia Temperini, *Concentration-compactness results for systems in the Heisenberg group*, Opuscula Math. 40, no. 1 (2020), 151-163. <https://doi.org/10.7494/OpMath.2020.40.1.151>
13. Zunwei Fu, Rumeng Gong, Elodie Pozzi, Qingyan Wu, *Cauchy-Szegő commutator on weighted Morrey space*, March 2023, Mathematische Nachrichten DOI: 10.1002/mana.202000139
14. Giuseppe Pipoli, *Nonhomogeneous expanding flows in hyperbolic spaces*, Pipoli, G. Nonhomogeneous expanding flows in hyperbolic spaces. Ann Glob Anal Geom (2022). <https://doi.org/10.1007/s10455-022-09873-x>.
15. Patrizia Pucci and Letizia Temperini, *(p, Q) , systems with critical singular exponential nonlinearities in the Heisenberg group*, Open Mathematics 2020; 18: 1423-1439. DOI: <https://doi.org/10.1515/math-2020-0108>
16. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex cocompact subgroups of $F_4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>
17. Giovanni Molica Bisci and Patrizia Pucci, **Nonlinear Problems with Lack of Compactness**, In: De Gruyter Series in Nonlinear Analysis and Applications, 36 De Gruyter | 2021 DOI: <https://doi.org/10.1515/9783110652017>
18. Patrizia Pucci, Letizia Temperini, *Existence for singular critical exponential (p, Q) equations in the Heisenberg group*, May 2021, Advances in Calculus of Variations, DOI: 10.1515/acv-2020-0028
19. Yadong Zheng, *Liouville theorems to system of elliptic differential inequalities on the Heisenberg group*, arXiv:2106.01724.
20. Zeyi Liu, Lulu Tao, Deli Zhang, Sihua Liang, Yueqiang Song, *Critical nonlocal Schrödinger-Poisson system on the Heisenberg group*, Advances in Nonlinear Analysis 11 (2022), no. 1, 482-502; DOI: 10.1515/anona-2021-0203.

21. Zeyi Liu, Min Zhao, Deli Zhang, Sihua Liang, *On the nonlocal Schrödinger-poisson type system in the Heisenberg group*, October 2021, Mathematical Methods in the Applied Sciences, 45 (2022), no. 3, 1558-1572, DOI: 10.1002/mma.7873.
22. Yun Shi, Guangzhen Ren, *Bochner-Martinelli type formula over the quaternionic Heisenberg group and the octonionic Heisenberg group*, Italian journal of pure and applied mathematics – N. 45–2021 (914-931).
23. Zeyi Liu. Deli Zhang. *A new Kirchhoff-Schrödinger-Poisson type system on the Heisenberg group*, Differential Integral Equations (2021) 34 (11/12) 621-639.
24. Sihua Liang, Patrizia Pucci, *Multiple solutions for critical Kirchhoff-Poisson systems in the Heisenberg group*, Applied Mathematics Letters 127 (2022), Paper No. 107846, 6 pp.; <https://doi.org/10.1016/j.aml.2021.107846>.
25. Xueqi Sun, Yueqiang Song, *Nodal solutions for Q -Laplacian problem with exponential nonlinearities on the Heisenberg group*, Journal of Mathematical Analysis and Applications 509 (2022), no. 2, Paper No. 125968, 21 pp. DOI: 10.1016/j.jmaa.2021.125968.
26. Patrizia Pucci, Letizia Temperini, *On the concentration-compactness principle for Folland-Stein spaces and for fractional horizontal Sobolev spaces*, Mathematics in Engineering, 2023, Volume 5, Issue 1: 1-21. doi: 10.3934/mine.2023007.
27. Patrizia Pucci, Letizia Temperini, *Entire solutions for some critical equations in the Heisenberg group*, February 2022, Opuscula Mathematica 42(2):279-303, DOI: 10.7494/OpMath.2022.42.2.279.
28. Patrizia Pucci, Letizia Temperini, *Critical equations with Hardy terms in the Heisenberg group*, April 2022 Rendiconti del Circolo Matematico di Palermo (2022), DOI: 10.1007/s12215-022-00741-y.
29. Sun, X., Song, Y. *Least-energy nodal solutions of critical Schrodinger-Poisson system on the Heisenberg group*, Anal.Math.Phys. 12, 80 (2022). <https://doi.org/10.1007/s13324-022-00658-w>
30. Zhou, J., Guo, L. & Zhang, B. *Kirchhoff-type problems involving the fractional p -Laplacian on the Heisenberg group*. Rend. Circ. Mat. Palermo, II. Ser (2022). <https://doi.org/10.1007/s12215-022-00763-6>
31. Zhang, J., *Sub-elliptic problems with multiple critical Sobolev-Hardy exponents on Carnot groups*, manuscripta math. (2022). <https://doi.org/10.1007/s00229-022-01406-x>
32. Xueqi Sun, Yueqiang Song, Sihua Liang, Binlin Zhang, *Critical Kirchhoff equations involving the p -sub-Laplacians operators on the Heisenberg group*, Bulletin of Mathematical Sciences (2022): DOI: 10.1142/S1664360722500060. <https://www.worldscientific.com/doi/epdf/10.1142/S1664360722500060>
33. Xueqi Sun, Yueqiang Song, Sihua Liang, *On the critical Choquard-Kirchhoff problem on the Heisenberg group*, Advances in Nonlinear Analysis 12 (1) (2022):210-236. DOI: 10.1515/anona-2022-0270.
34. Maria Alessandra Ragusa, Abdolrahman Razani, Farzaneh Safari, *Existence of positive radial solutions for a problem involving the weighted Heisenberg $p(\cdot)$ -Laplacian operator*, AIMS Mathematics 8(1):404-422 (2022), DOI: 10.3934/math.2023019
35. Xueqi Sun, Shujie Bai, Yueqiang Song, *On the noncooperative Schrodinger-Kirchhoff system involving the critical nonlinearities on the Heisenberg group*, Springer, October 2022, Boundary Value Problems 2022(1); DOI: 10.1186/s13661-022-01657-3
36. Xueqi Sun, Baoling Yang, Yueqiang Song, *Multiplicity of solutions for the noncooperative Choquard-Kirchhoff system involving Hardy-Littlewood-Sobolev critical exponent on the Heisenberg group*, Rend. Circ. Mat. Palermo, II. Ser (2022). <https://doi.org/10.1007/s12215-022-00833-9>.
37. A. Razani, F. Safari, *Existence results to a Leray-Lions type problem on the Heisenberg Lie groups*, Springer, February 2023, Boundary Value Problems 2023(1), DOI: 10.1186/s13661-023-01704-7.
38. Baoling Yang, Deli Zhang, Sihua Liang, *Nontrivial Solutions for a (p, q) -Type Critical Choquard Equation on the Heisenberg Group*, January 2023, The Bulletin of the Malaysian Mathematical Society Series 2 46(2) DOI: 10.1007/s40840-022-01449-z.
39. Hurtado, E.J., Salvatierra, A.P. , *A stability result of a fractional heat equation and time fractional diffusion equations governed by fractional fluxes in the Heisenberg group*, Rend. Circ. Mat. Palermo, II. Ser (2023). <https://doi.org/10.1007/s12215-023-00866-8>.
40. Giampiero Palatucci, Mirco Piccinini, Letizia Temperini, *Effects of the lack of compactness in the critical Sobolev embedding in the Heisenberg group*, April 2023, DOI: 10.13140/RG.2.2.35450.77762.
41. Sekhar Ghosh, Vishvesh Kumar, Michael Ruzhansky, *Best constants in subelliptic fractional Sobolev and Gagliardo-Nirenberg inequalities and ground states on stratified Lie groups*, arXiv:2306.07657.

42. Guo, Z., Shi, Q., *A Schrödinger–Poisson System with the Critical Growth on the First Heisenberg Group*, J. Contemp. Mathemat. Anal. 58, 196-207 (2023). <https://doi.org/10.3103/S1068362323030056>.
43. Giampiero Palatucci, Mirco Piccinini, *Asymptotic approach to singular solutions for the CR Yamabe equation, and a conjecture by H. Brezis and L. A. Peletier in the Heisenberg group*, arXiv:2307.14933.
44. Giampiero Palatucci, Mirco Piccinini, Letizia Temperini, *Struwe's Global Compactness and energy approximation of the critical Sobolev embedding in the Heisenberg group*, arXiv:2308.01153.
45. Abdolrahman Razani, Farzaneh Safari, *An Elliptic Type Inclusion Problem on the Heisenberg Lie Group*, Aug 2023, Mathematica Slovaca 73(4):957-968, DOI: 10.1515/ms-2023-0071.

Studia 1. **"Quaternionic contact Einstein structures and quaternionic contact Yamabe problem (with I. Minchev and D. Vassilev), Memoirs of the Amer. Math. Soc., vol. 231, number 1086, (2014).**

цитируемая - 14

1. Luca Rizzi, Pavel Silveira, *Sub-Riemannian Ricci curvatures and universal diameter bounds for 3-Sasakian manifolds*, J. Inst. Math. Jussieu 18 (2019), no. 4, 783-827.
2. Ilka Agricola, Giulia Dileo, *Generalizations of 3-Sasakian manifolds and skew torsion*, Advances in Geometry Volume 20 (2020): Issue 3 (Jul 2020), DOI: 10.1515/advgeom-2018-0036
3. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
4. Yun Shi, Wei Wang, *The tangential k -Cauchy-Fueter complexes and Hartogs' phenomenon over the right quaternionic Heisenberg group*, Annali di Matematica Pura ed Applicata, (1923 -) (2020) 199:651-680. <https://doi.org/10.1007/s10231-019-00895-0>.
5. Der-Chen Chang, Xuan Thinh Duong, Ji Li, Wei Wang, Qingyan Wu, *An explicit formula of Cauchy-Szegö kernel for quaternionic Siegel upper half space and applications*, Indiana Univ. Math. J. 70 (2021), no. 6, 2451-2477.
6. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
7. Maggesi, M., Pertici, D. & Tomassini, G. *Extension and tangential CRF conditions in quaternionic analysis*, Annali di Matematica Pura ed Appl. (1923 -) (2020) 199:2263-2289. <https://doi.org/10.1007/s10231-020-00968-5>
8. Zunwei Fu, Rumeng Gong, Elodie Pozzi, Qingyan Wu, *Cauchy-Szegö commutator on weighted Morrey space*, March 2023, Mathematische Nachrichten DOI: 10.1002/mana.202000139
9. Feifan Wu and Wei Wang, *On the Yamabe Problem on contact Riemannian Manifolds*, October 2019, Annals of Global Analysis and Geometry 22(2), DOI: 10.1007/s10455-019-09675-8.
10. Abdellah Laaroussi, *Heat kernel asymptotics for quaternionic contact manifolds*, arXiv:2103.00892.
11. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and conver cocompact subgroups of $F4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>
12. Yun Shi, Guangzhen Ren, *Bochner-Martinelli type formula over the quaternionic Heisenberg group and the octonionic Heisenberg group*, Italian journal of pure and applied mathematics – N. 45–2021 (914-931).
13. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796.
14. Wolfram Bauer, Irina Markina, Abdellah Laaroussi, Gianmarco Vega-Molino, *Local Invariants and Geometry of the sub-Laplacian on H -type Foliations*, arXiv:2209.02168.

Obsor 1. **The Lichnerowicz and Obata first eigenvalue theorems and the Obata uniqueness result in the Yamabe problem on CR and quaternionic contact manifolds, (with Dimiter Vassilev), Nonlinear Analysis - Theory, 126 (2015), 262-323.**

цитируемая - 4.

1. Dario Prandi, Luca Rizzi, Marcello Seri, *A sub-Riemannian Santalo formula with applications to isoperimetric inequalities and Dirichlet spectral gap of hypoelliptic operators*, J. Differential Geom. Volume 111, Number 2 (2019), 339-379.
2. Luca Rizzi, Pavel Silveira, *Sub-Riemannian Ricci curvatures and universal diameter bounds for 3-Sasakian manifolds*, J. Inst. Math. Jussieu 18 (2019), no. 4, 783-827.

3. Jeffrey S. Case, Paul Yang, *The Lichnerowicz-Obata theorem for the Kohn Laplacian in three dimensions*, April 2021 *Advances in Mathematics* 381(4):107618, DOI: 10.1016/j.aim.2021.107618.
 4. Luke Melas-Kyriazi, *The Mathematical Foundations of Manifold Learning*, arXiv:2011.01307. A thesis presented to The Department of Mathematics in partial fulfillment of the requirements for the degree of Bachelor of Arts in the subject of Mathematics Harvard University Cambridge, Massachusetts May 2020. Undergraduate Thesis (Harvard Mathematics Department).
- **On dual holomorphically projectively flat affine connections. J. Geom. 59 (1997), no. 1-2, 67-76.**
цитирования - 1.
 1. Cagri Karaman, *Statistical anti-Kaehler manifolds*, C.R. Acad. Bulg. Sci., 73(2020), no.10, 1349-1358.
 - **"Characteristic curvatures on complex Riemannian manifolds"(with G. Ganchev), Riv. Mat. Univ. Parma (5) 1 (1992), 155-162. "Connections and curvatures on complex Riemannian manifold"(with G.Ganchev), Internal Report I.C.T.P.-Trieste (1991).**
цитирования - 1.
 1. Cagri Karaman, *Statistical anti-Kaehler manifolds*, C.R. Acad. Bulg. Sci., 73(2020), no.10, 1349-1358.
 - **"Holomorphically projective transformations on complex Riemannian manifold J. Geom., 49 (1994), 106-116.**
цитирования - 1.
 1. Cagri Karaman, *Statistical anti-Kaehler manifolds*, C.R. Acad. Bulg. Sci., 73(2020), no.10, 1349-1358.
 - **"On dual-projectively flat affine connections J. Geom. 53 (1995), no. 1-2, 89-99.**
цитирования - 6.
 1. Milos Petrovic, Mica Stankovic, Patrik Peska, *On Conformal and Concircular Diffeomorphisms of Eisenhart's Generalized Riemannian Spaces*, Mathematics 2019,7, 626; doi:10.3390/math7070626.
 2. Keisuke Haba, *1-Conformal geometry of quasi statistical manifolds*, Information Geometry (2020), <https://doi.org/10.1007/s41884-020-00036-0>
 3. Keisuke Haba, Hiroshi Matsuzoe, *Complex affine distributions*, April 2021, Differential Geometry and its Applications 75(8):101734, DOI: 10.1016/j.difgeo.2021.101734
 4. Miloc Z. Petrovic Ana M. Velimirovic, *Projective Curvature Tensors of Some Special Manifolds with Non-symmetric Linear Connection*, Springer, August 2021, Mediterranean Journal of Mathematics 18(4) DOI: 10.1007/s00009-021-01768-8
 5. Chol-Rim Min, In-Ra Ri, Kang-Min Jong, *Generalized conjugate connections and equiaffine structures on semi-Riemannian manifolds*, December 2021, Differential Geometry and its Applications, vol. 79:101829, DOI: 10.1016/j.difgeo.2021.101829.
 6. Marta Teofilova, *Conjugate connections and statistical structures on Almost Norden manifolds*, December 2021 International Journal of Differential Equations and Applications 20(2):235-250.
 - **"Compact Hermitian surfaces of Einstein type with respect to the Hermitian connection (with G. Ganchev) Monatsh. Math.123 (1997), no. 1, 53-59.**
цитирования - 1.
 1. Caner Koca, Mehdi Lejmi, *Hermitian metrics of constant Chern scalar curvature on ruled surfaces*, Kodai Math. J. 43 (2020), no. 3, 409-430.
 - **"Riemannian manifolds in which certain curvature operator has constant eigenvalues along each circle (with I.Petrova), Annals of Global Analysis and Geometry. 15 (1997),157-171.**
цитирования - 1.
 1. Mohamad Chaichi, *Curvature Models of Conformally Flat Walker (2,2)-Manifolds*, International Journal of Geometric Methods in Modern Physics, 2019, DOI: 10.1142/S0219887819300022
 - **"On the fundamental theorem for non-degenerate complex affine hypersurface immersions, Monatshefte Mathematics 123 (1997), 321-336.**
цитирования - 3.

1. Cagri Karaman, *Statistical anti-Kaehler manifolds*, C.R. Acad. Bulg. Sci., 73(2020), no.10, 1349-1358.
 2. Keisuke Haba, Hiroshi Matsuzoe, *Complex affine distributions*, April 2021, Differential Geometry and its Applications 75(8):101734, DOI: 10.1016/j.difgeo.2021.101734
 3. Marta Teofilova, *Conjugate connections and statistical structures on Almost Norden manifolds*, December 2021 International Journal of Differential Equations and Applications 20(2):235-250.
- **"Compact Hermitian surfaces of constant anti-holomorphic sectional curvature (with V.Apostolov and G.Ganchev), Proc.Amer. Math. Soc., 125 (1997), 3705-3714.**
цитирования - 1.
 1. Benjamin Schmidt, Krishnan Shankar, Ralf Spatzier, *Almost Isotropic Kaehler Manifolds*, Journal für die reine und angewandte Mathematik (Crelles Journal)(2019) DOI: 10.1515/crelle-2019-0030
 - **"Einstein-Hermitian surfaces and Hermitian Einstein-Weyls tructures in dimension 4 (with P. Gauduchon), Mathematische Zeitschrift, 226 (1997), 317-326.**
цитирования - 20.
 1. Jeffrey Streets, *Classification of solitons for pluriclosed flow on complex surfaces*, Mathematische Annalen, December 2019, Volume 375, Issue 3-4, pp 1555-1595.
 2. Mario Garcia-Fernandez, Roberto Rubio, Carlos Shabbazi, Carl Tipler, *Canonical metrics on holomorphic Courant algebroids*, Proceedings of the London Mathematical Society, First published: 21 July 2022, DOI: 10.1112/plms.12468.
 3. Jeffrey Streets, *Pluriclosed flow and the geometrization of complex surfaces*, Geometric analysis—in honor of Gang Tian's 60th birthday, 471–510, Progr. Math., 333 Birkhauser/Springer, Cham, [2020].
 4. Daniele Angella, Simone Calamai, Cristiano Spotti, *Remarks on Chern-Einstein Hermitian metrics*, November 2019 Mathematische Zeitschrift, DOI: 10.1007/s00209-019-02424-4
 5. Caner Koca, Mehdi Lejmi, *Hermitian metrics of constant Chern scalar curvature on ruled surfaces*, Kodai Math. J. 43 (2020), no. 3, 409-430.
 6. Mario Garcia-Fernandez, Jeffrey Streets, **Generalized Ricci Flow**, AMS University Lecture Series, vol. 76, 2021.
 7. Jeffrey Street, Yury Ustinovskiy, *The Gibbons-Hawking ansatz in generalized Kähler geometry*, Commun. Math. Phys. (2022). <https://doi.org/10.1007/s00220-022-04329-6>.
 8. Daniele Angella, Francesco Pediconi, *On cohomogeneity one Hermitian non-Kähler manifolds*, February 2022, Proceedings of the Royal Society of Edinburgh Section A Mathematics, DOI: 10.1017/prm.2022.5.
 9. Jeffrey Streets, *Ricci-Yang-Mills flow on surfaces and pluriclosed flow on elliptic fibrations*, January 2022, Advances in Mathematics 394(2):108-127, DOI: 10.1016/j.aim.2021.108127.
 10. Daniele Angella, Francesco Pediconi, *On the linearization stability of the Chern-scalar curvature*, Mathematische Zeitschrift (2022), DOI: 10.1007/s00209-021-02956-8.
 11. Mario Garcia-Fernandez, Joshua Jordan, Jeffrey Streets, *Non-Kähler Calabi-Yau geometry and pluriclosed flow*, Aug 2023, Journal de Mathematiques Pures et Appliquees, DOI: 10.1016/j.matpur.2023.07.002,
 12. Yang, J., *Locally Conformal Kähler and Hermitian Yang-Mills Metrics*, Chin. Ann. Math. Ser. B 42, 511-518 (2021). <https://doi.org/10.1007/s11401-021-0274-5>
 13. Vestislav Apostolov, Jeffrey Streets, Yury Ustinovskiy, *Variational structure and uniqueness of generalized Kaehler-Ricci solitons*, June 2022, Peking Mathematical Journal, DOI: 10.1007/s42543-022-00049-x.
 14. Mario Garcia-Fernandez and Jeffrey Streets, **Generalized Ricci Flow**, University Lecture Series, volume 76, AMS 2021.
 15. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds 10 (2023), no. 1, Paper No. 20220150, 24 pp. <https://doi.org/10.1515/coma-2022-0150>.
 16. Mehdi Lejmi, Xi Sisi Shen, *Canonical almost-Kaehler metrics dual to general plane-fronted wave Lorentzian metrics*, Math. Z. 303, 94 (2023). <https://doi.org/10.1007/s00209-023-03254-1>,
 17. Correa, E.M. *Levi-Civita Ricci-Flat Metrics on Non-Kaehler Calabi-Yau Manifolds*, J. Geom. Anal. 33, 90 (2023). <https://doi.org/10.1007/s12220-022-01114-8>.

18. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
 19. Kyle Broder, Artem Pulemotov, *Hermitian metrics with vanishing second Chern Ricci curvature*, arXiv:2309.10295.
 20. Jordan, Joshua Pierce, *Generalized geometry and pluriclosed flow*, Thesis Doctoral, University of California, Irvine, 2023. <https://escholarship.org/uc/item/9tb0w3hh>
<https://escholarship.org/content/qt9tb0w3hh/qt9tb0w3hh.pdf>
- **"Curvature properties of twistor spaces of quaternionic Kähler manifolds (with B. Alexandrov and G. Grantcharov), Journal of Geometry, 62 (1998), 1-12.**
цитирования - 6.
 1. D. Kotschick, D.K. Thung, *The complex geometry of two exceptional flag manifolds*, March 2020, Annali di Matematica Pura ed Applicata DOI: 10.1007/s10231-020-00965-8.
 2. Johann Davidov, Oleg Mushkarov, *Curvature properties of twistor spaces*, Proceedings of the Steklov Institute of Mathematics 311 (2020); in Russian, pp. 84-105, in English, pp. 78-97.
 3. Samser Alam, Arindam Bhattacharyya, *Some Curvature Identities on Nearly Kähler Manifolds*, Journal of The Tensor Society (J.T.S.) ISSN: 0974-5424 Vol. 15 (2021), page 1 - 9; DOI: 10.56424/jts.v15i01.10617.
 4. Oscar Macia, Uwe Semmelmann, Gregor Weingart, *On quaternionic bisectional curvature*, arXiv:2308.09173.
 5. Benjamin Aslan, Spiro Karigiannis, Jesse Madnick, *Calibrated Geometry in Hyperkahler Cones, 3-Sasakian Manifolds, and Twistor Spaces*, Canadian Journal of Mathematics (2024), DOI: 10.4153/S0008414X24000282.
 6. T. Draghici, C. Sayar, *Some remarks on almost hermitian functionals*, Annals of Global Analysis and Geometry (2024) vol. 65(1) DOI: 10.1007/s10455-023-09943-8.
 - **"Riemannian manifold in which the skew-symmetric curvature operator has pointwise constant eigenvalues (with I.Petrova), Geometriae Dedicata, 70(1998), 269-282.**
цитирования - 1.
 1. Mohamad Chaichi, *Curvature Models of Conformally Flat Walker (2,2)-Manifolds*, International Journal of Geometric Methods in Modern Physics, 2019, DOI: 10.1142/S0219887819300022
 - **"An estimate for the first eigenvalue of the Dirac operator on compact Riemannian spin manifold admitting parallel one form (with B. Alexandrov and G. Grantcharov), Journal of Geometry and Physics, 28 (1998), 263-270.**
цитирования - 4.
 1. Yongfa Chen, *The Dirac operator on locally reducible Riemannian manifolds*, Journal of Geometry and Physics Volume 139, May 2019, Pages 17-24, <https://doi.org/10.1016/j.geomphys.2019.01.004>.
 2. Yongfa Chen, *Lower bounds for the eigenvalue estimates of the submanifold Dirac operator*, May 2021, Mathematische Zeitschrift, DOI: 10.1007/s00209-021-02752-4,
 3. Yongfa Chen, *Eigenvalue estimate for the Dirac-Witten operator on locally reducible Riemannian manifolds*, June 2023 Letters in Mathematical Physics 113(3) DOI: 10.1007/s11005-023-0169.
 4. Jian Wang, Siyao Liu, Yong Wang, *Twisted J-twist Dirac Operators and the Noncommutative Residue*, preprint, May 2023, Lab: Yong Wang's Lab.
https://www.researchgate.net/publication/371173933_Twisted_J-twist_Dirac_Operators_and_the_Noncommutative_Residue/references
 - **"Hermitian structures on twistor spaces (with V. Apostolov and G. Grantcharov), Annals of Global Analysis and Geometry, 16 (1998), 291-308.**
цитирования - 3.
 1. G. Deschamps, E. Loubeau, *Hypersurfaces of nearly Kähler twistor spaces \mathbb{CP}^3 and $\mathbb{F}_{1,2}$* , Tohoku Mathematical Journal (2021) 73 (4) DOI: 10.2748/tmj.20200930.
 2. Johann Davidov, Oleg Mushkarov, *Curvature properties of twistor spaces*, Proceedings of the Steklov Institute of Mathematics 311 (2020); in Russian, pp. 84-105, in English, pp. 78-97.

3. Mushkarov, O., *Partial Integrability of Compatible Almost Complex Structures on Twistor Spaces*, Mediterr. J. Math. 18, 94 (2021). <https://doi.org/10.1007/s00009-021-01698-5>.
- **"Einstein-Weyl structures on certain compact conformal manifolds Quarterly Journal of Mathematics Oxford (2),50 (1999), 457-462.**
цитирования - 2.
 1. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds 10 (2023), no. 1, Paper No. 20220150, 24 pp. <https://doi.org/10.1515/coma-2022-0150>.
 2. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
- **"Orthogonal complex structures on certain Riemannian6-manifolds (with V. Apostolov and G. Grantcharov), Diff.Geom. Appl., 11 (1999) 279–296.**
цитирования - 1
 1. Kamil Cwilinski, Luc Vrancken, *Almost complex surfaces in the nearly Kähler flag manifold*, Results Math 77, 134 (2022). <https://doi.org/10.1007/s00025-022-01670-z>.
- **"Harmonic and holomorphic 1-forms on compact balanced Hermitian manifold"(with G.Ganchev), Diff. Geom. Appl.,14 (1) (2001), 79-93.**
цитирования - 1.
 1. *Balanced Twisted Product Hermitian Manifold* January 2023,Pure Mathematics 13(10):2908-2915, DOI: 10.12677/PM.2023.1310297.
- **"Vanishing theorems on Hermitian manifolds (with B.Alexandrov), Diff. Geom. Appl., 14 (3) (2001),251-265.**
цитирования - 54.
 1. Qingsong Wang, Bo Yang, Fangyang Zheng, *On Bismut Flat Manifolds*, On Bismut flat manifolds. Trans. Amer. Math. Soc. 373 (2020), no. 8, 5747-5772.
 2. Ionut Chiose, Rares Rasdeaconu, Ioana Suvaina, *Balanced Manifolds and SKT Metrics*, Annali di Matematica 201, 2505-2517 (2022)., <https://doi.org/10.1007/s10231-022-01207-9>.
 3. Vestislav Apostolov, Jeffrey Streets, *The nondegenerate generalized Kahler Calabi-Yau problem*, J. Reine Angew. Math. 777, 1-48 (2021).
 4. Anna Fino, Gueo Grantcharov, Luigi Vezzoni, *Asthen-Kähler and balanced structures on fibrations*, International Mathematics Research Notices 2019(22), DOI: 10.1093/imrn/rnx337
 5. Daniele Angella, Antonio Otal, Luis Ugarte, Raquel Villacampa, *On Gauduchon connections with Kähler-like curvature*, Comm. Anal. Geom. 30 (2022), no. 5, 961-1006.
 6. Max Reinhold Jahnke, Paulo Domingos Cordaro, *Top-degree solvability for hypocomplex structures and the cohomology of left-invariant involutive structures on compact Lie groups*, preprint January 2019, https://www.researchgate.net/publication/330102125_Top-degree_solvability_for_hypocomplex_structures_and_the_cohomology_of_left-invariant_involutive_structures_on_compact_Lie_groups/references
 7. Jixiang Fu, Xianchao Zhou, *Scalar curvatures in almost Hermitian geometry and some applications*, May 2022, Science China Mathematics (2022), DOI: 10.1007/s11425-021-1943-8.
 8. Quanting Zhao, Fangyang Zheng, *Strominger connection and pluriclosed metrics*, February 2023, Journal für die reine und angewandte Mathematik (Crelle) DOI: 10.1515/crelle-2023-0007.
 9. Fangyang Zheng, *Some recent progress in non-Kähler geometry*, May 2019 Science China Mathematics, DOI: 10.1007/s11425-019-9528-1
 10. Michael Bailey, Gil R. Cavalcanti, Joey van der Leer Duran, *A neighbourhood theorem for submanifolds in generalized complex geometry*, arXiv:1906.12069.
 11. Daniele Angella, Nicolina Istrati, Alexandra Otiman, Nicoletta Tardini, *Variational problems in conformal geometry*, March 2020, Journal of Geometric Analysis DOI: 10.1007/s12220-020-00392-4

12. Shing-Tung Yau, Quanting Zhao, Fangyang Zheng, *On Strominger Kähler-like manifolds with degenerate torsion*, February 2023, Transactions of the American Mathematical Society (TAMS) DOI: 10.1090/tran/8659.
13. Y. Wang, *Toric generalized Kaehler structures. III*, Journal of Geometry and Physics Volume 151, May 2020, 103634, <https://doi.org/10.1016/j.geomphys.2020.103634>
14. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020, Mathematische Zeitschrift DOI: 10.1007/s00209-020-02598-2.
15. Liviu Ornea, Alexandra Otiman, Miron Stanciu, *Compatibility between non-Kähler structures on complex (nil)manifolds*, Transformation Group 2022, DOI: 10.1007/s00031-022-09729-5.
16. Anna Fino, Fabio Paradiso, *Balanced Hermitian structures on almost abelian Lie algebras*, Journal of Pure and Applied Algebra, 227 (2023), no. 2, Paper No. 107186, 25 pp, DOI: 10.1016/j.jpaa.2022.107186.
17. Masaya Kawamura, *On the conformally balanced condition on almost Hermitian manifolds and the quasi-Kählerity*, August 2021, Journal of Geometry 112(2), DOI: 10.1007/s00022-021-00582-7
18. Fabio Paradiso, *Locally conformally balanced metrics on almost abelian Lie algebras*, July 2021, Complex Manifolds 8(1):196-207 DOI: 10.1515/coma-2020-0111.
19. Howard Jacobowitz, Max Reinhold Jahnke, *Levi-flat CR structures on compact Lie groups*, Annals of Global Analysis and Geometry 64 (2023), no. 1, Paper No. 4, 21 pp., DOI: 10.1007/s10455-023-09909-w.
20. Mario Garcia-Fernandez, Joshua Jordan, Jeffrey Streets, *Non-Kähler Calabi-Yau geometry and pluriclosed flow*, Aug 2023, Journal de Mathématiques Pures et Appliquées, DOI: 10.1016/j.matpur.2023.07.002,
21. Federico Giusti, Fabio Podesta, *Real semisimple Lie groups and balanced metrics*, Revista Matematica Iberoamericana 39(2023), no.2, 711-729. DOI: 10.4171/RMI/1391.
22. Mohamed Boucetta, *On the Hermitian structures of the sequence of tangent bundles of an affine manifold endowed with a Riemannian metric*, January 2022, Complex Manifolds 9(1):18-51 DOI: 10.1515/coma-2021-0128.
23. Quanting Zhao, Fangyang Zheng, *On Gauduchon Kähler-like manifolds*, April 2022, Journal of Geometric Analysis 32 (4) , DOI: 10.1007/s12220-022-00868-5.
24. Bachir Djebbar, Ana Cristina Ferreira, Anna Fino, Nourhane Zineb Larbi Youcef, *Locally conformal SKT structures*, International Journal of Mathematics 33 (2022), no. 14, Paper No. 2250092, 27 pp. DOI: 10.1142/S0129167X22500926.
25. Shuwen Chen, Fangyang Zheng, *On Strominger space forms*, April 2022, Journal of Geometric Analysis 32(4), DOI: 10.1007/s12220-022-00882-7.
26. Izar Alonso, Francesca Salvatore, *On the existence of balanced metrics on six-manifolds of cohomogeneity one*, Annals of Global Analysis and Geometry 61(2022), no.2, 309-331.
27. Giuseppe Barbaro, *Global stability of the Pluriclosed flow on compact simply-connected simple Lie groups of rank two*, Transformation Groups (2022), DOI: 10.1007/s00031-022-09761-5.
28. A. Andrada, R. Villacampa, *Bismut connection on Vaisman manifolds*, Mathematische Zeitschrift (2022): DOI: 10.1007/s00209-022-03108-2.
29. Marco Freibert, Andrew Swann, *Compatibility of balanced and SKT metrics on two-step solvable Lie groups*, March 2023, Transformation Groups DOI: 10.1007/s00031-023-09796-2.
30. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds 10 (2023), no. 1, Paper No. 20220150, 24 pp., <https://doi.org/10.1515/coma-2022-0150>.
31. Dongmei Zhang, Fangyang Zheng, *On a variational theorem of Gauduchon and torsion-critical manifolds*, October 2022, Proceedings of the American Mathematical Society DOI: 10.1090/proc/16236.
32. Daniele Angella, Vincent Guedj, Chinh H. Lu, *Plurisigned hermitian metrics*, arXiv:2207.04705.
33. Latorre, A, Ugarte, L, Villacampa, R, *Frölicher spectral sequence of compact complex manifolds with special Hermitian metrics*, arXiv:2207.14669.
34. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kahler Geometry**, arXiv:2208.07188.
35. Ionut Chiose, Rares Rasdeaconu, *Remarks on astheno-Kähler manifolds, Bott-Chern and Aeppli cohomology groups*, Ann Glob Anal Geom 63, 24 (2023). <https://doi.org/10.1007/s10455-023-09903-2>.

36. Yuqin Guo, Fangyang Zheng, *Hermitian geometry of Lie algebras with abelian ideals of codimension 2*, Jul 2023, Mathematische Zeitschrift 304(3) DOI: 10.1007/s00209-023-03315-5.
 37. Louis-Brahim Beaufort, Anna Fino, *Locally conformal SKT almost abelian Lie algebras*, Linear Algebra and its Applications, 2023, DOI: 10.1016/j.laa.2023.09.015.
 38. Federico Giusti, Cristiano Spotti, *A Kummer construction for Chern-Ricci flat balanced manifolds*, arXiv:2309.12909.
 39. Hisashi Kasuya, Jonas Stelzig, *Resolutions of cyclic quotient singularities and some complex non-Kaehler manifolds*, arXiv:2303.03641.
 40. Quanting Zhao, Fangyang Zheng, *Bismut Kaehler-like manifolds of dimension 4 and 5*, arXiv:2303.09267.
 41. Slawomir Dinew, Dan Popovici, *A Variational Approach to SKT and Balanced Metrics*, Journal de Mathematiques Pures et Appliquees, (2023), DOI: 10.1016/j.matpur.2023.05.008.
 42. Yanan Ye, *Bismut Einstein metrics on compact complex manifolds*, arXiv:2212.04060.
 43. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni, *The parabolic quaternionic Calabi-Yau equation on hyperKaehler manifolds*, arXiv:2303.02689.
 44. Giuseppe Barbaro, *Bismut Hermitian Einstein metrics and the stability of the pluriclosed flow*, arXiv:2307.10207.
 45. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
 46. Anna Fino, Gueo Grantcharov, Eddy Perez, *The pluriclosed flow for T2-invariant Vaisman metrics on the Kodaira-Thurston surface*, Journal of Geometry and Physics Volume 201, July 2024, 105197, <https://doi.org/10.1016/j.geomphys.2024.105197>.
 47. Kexiang Cao, Fangyang Zheng, *Fino-Vezzoni conjecture on Lie algebras with abelian ideals of codimension two*, Math. Z. 307, 31 (2024). <https://doi.org/10.1007/s00209-024-03506-8>.
 48. Beatrice Brienza, Anna Fino, Gueo Grantcharov, *CYT and SKT manifolds with parallel Bismut torsion*, arXiv:2401.07800.
 49. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
 50. Yulu Li, Fangyang Zheng, *Fino-Vezzoni conjecture in Hermitian geometry*, Scientia Sinica Mathematica (2024), vol. 54, 1-13,. DOI: 10.1360/SSM-2023-0048.
 51. Anna Fino, Gueo Grantcharov, Eddy Perez, *The Pluriclosed Flow for T2-Invariant Vaisman Metrics on the Kodaira-Thurston Surface*, Journal of Geometry and Physics 2024 DOI: 10.1016/j.geomphys.2024.105197.
 52. Xilun Li, Yanan Ye, *On the shrinking solitons of generalized Ricci flow*, arXiv:2404.06141.
 53. MR Jahnke, NB Rodrigues, *A class of globally analytic hypoelliptic operators on compact Lie groups*, arXiv:2404.01772.
 54. Federico Giusti, *Some constructions for canonical non-Kaehler metrics*, Thesis presented for the degree of Doctor of Philosophy at Aarhus University, 2024.
- "A no-go theorem for string warped compactification (with G.Papadopoulos), Phys. Lett. B 497 (2001) 309-316.
- цитирования - 8.
1. Mario Garcia-Fernandez, *Ricci flow, Killing spinors, and T-duality in generalized geometry*, Advances in Mathematics Volume 350, 9 July 2019, Pages 1059-1108, <https://doi.org/10.1016/j.aim.2019.04.038>.
 2. Magdalena Larfors, Andre Lukas, Fabian Ruehle, *Calabi-Yau Manifolds and SU(3) Structure*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)171
 3. Carlos A. R. Herdeiro, Eugen Radu, Kunihito Uzawa, *Compact objects and the swampland*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)215.
 4. Charles Strickland-Constable, *Supergravity Fluxes and Generalised Geometry*, Fortschritte der Physik (2019), DOI: 10.1002/prop.201910021
 5. Roberto Sisca, *Heterotic vacua and their universal geometry*, Thesis submitted to the University of Surrey for the degree of Doctor of Philosophy, 2019, Department of Mathematics University of Surrey, Guildford GU2 7XH, United Kingdom, http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf,

6. David Tennyson, *An Investigation into Supersymmetric Flux Backgrounds and their Moduli via Generalised Geometry*, November 26, 2020, Thesis, Submitted in part fulfilment of the requirements for the degree of Doctor of Philosophy in Physics of Imperial College London.
<https://inspirehep.net/files/24b88137a7f0fa451cd0531a93ce2286>
 7. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 8. O Chandia, BC Vallilo, *Compactifications of Type II Supergravities in Superspace*, arXiv:2405.04736
- **"Harmonic spinors of Dirac operator of connection with torsion in dimension 4 (with P.Dalakov), Class. Quantum Gravity 18 (2001), 253-265.**
цитирования - 1.
 1. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and ∇ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
 - **"Vanishing theorems and String Backgrounds (with G.Papadopoulos), Class. Quantum Gravity 18 (2001), 1089-1110.**
цитирования - 46.
 1. Guillaume Deschamps, *Twistor space of a generalized quaternionic manifold*, Proc Math Sci 131, 1 (2021).
<https://doi.org/10.1007/s12044-020-00599-z>
 2. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and ∇ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
 3. Mario Garcia-Fernandez, *Ricci flow, Killing spinors, and T-duality in generalized geometry*, Advances in Mathematics Volume 350, 9 July 2019, Pages 1059-1108, <https://doi.org/10.1016/j.aim.2019.04.038>.
 4. Vestislav Apostolov, Jeffrey Streets, *The nondegenerate generalized Kahler Calabi-Yau problem*, J. Reine Angew. Math. 777, 1-48 (2021).
 5. Jeffrey Streets, *Classification of solitons for pluriclosed flow on complex surfaces*, Mathematische Annalen, December 2019, Volume 375, Issue 3-4, pp 1555-1595.
 6. Mario Garcia-Fernandez, Roberto Rubio, Carlos Shahbazi, Carl Tipler, *Canonical metrics on holomorphic Courant algebroids*, Proceedings of the London Mathematical Society, First published: 21 July 2022, DOI: 10.1112/plms.12468,
 7. Ramiro A. Lafuente, Mattia Pujia, Luigi Vezzoni, *Hermitian Curvature flow on Lie groups and static invariant metrics*, Trans. Amer. Math. Soc., 373 (2020), 3967-3993., DOI: <https://doi.org/10.1090/tran/8068>.
 8. Jixiang Fu, Xianchao Zhou, *Scalar curvatures in almost Hermitian geometry and some applications*, May 2022, Science China Mathematics (2022), DOI: 10.1007/s11425-021-1943-8.
 9. Quanting Zhao, Fangyang Zheng, *Strominger connection and pluriclosed metrics*, February 2023, Journal für die reine und angewandte Mathematik (Crelle) DOI: 10.1515/crelle-2023-0007.
 10. Shing-Tung Yau, Quanting Zhao, Fangyang Zheng, *On Strominger Kähler-like manifolds with degenerate torsion*, February 2023, Transactions of the American Mathematical Society (TAMS) DOI: 10.1090/tran/8659.
 11. S. Picard, *Calabi-Yau Manifolds with Torsion and Geometric Flows*, Lectures 2019, Harvard University, <http://www.math.harvard.edu/~spicard/cetraro.pdf>, in the book **Complex non-Kähler Geometry**, Lecture Notes in Mathematics, vol. 2246, 2019, DOI: 10.1007/978-3-030-25883-2_2.
 12. Joshua Jordan, Jeffrey Streets, *On a Calabi-type estimate for pluriclosed flow*, Advances in Mathematics Volume 366, 3 June 2020, 107097.
 13. Riccardo Piovani, Adriano Tomassini, *Aeppli cohomology and Gauduchon metrics*, Complex Anal. Oper. Theory 14 (2020), no. 1, Art. 22, 15 pp.
 14. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020, Mathematische Zeitschrift DOI: 10.1007/s00209-020-02598-2.
 15. Matthew Gibson, Jeffrey Streets, *Deformation classes in generalized Kähler geometry*, Complex Manifolds (2020) 7(1):241-256. DOI: 10.1515/coma-2020-0101

16. Adrian Andrada, Giulia Dileo, *Odd dimensional counterparts of abelian complex and hypercomplex structures*, October 2022, Mathematische Nachrichten DOI: 10.1002/mana.202000599.
17. Mario Garcia-Fernandez, Jeffrey Streets, **Generalized Ricci Flow**, AMS University Lecture Series vol. 76, 2021.
18. Vestislav Apostolov, Jeffrey Streets, Yury Ustinovskiy, *Generalized Kähler-Ricci flow on toric Fano varieties*, Mathematische Annalen (2022), DOI: 10.1007/s00208-022-02516-3.
19. Xin Fu, Aaron Naber, Jeffrey Streets, *Codimension four regularity of generalized Einstein structures*, Math. Ann. 387 (2023), no. 3-4, 2001-2059.
20. Lino Grama, Ailton R. Oliveira, *Scalar Curvatures of invariant almost Hermitian structures on generalized flag manifolds*, SIGMA 17 (2021), 109, 30 pages, <https://doi.org/10.3842/SIGMA.2021.109>
21. Quanting Zhao, Fangyang Zheng, *On Gauduchon Kähler-like manifolds*, April 2022 Journal of Geometric Analysis 32(4) DOI: 10.1007/s12220-022-00868-5.
22. Giuseppe Barbaro, *On the curvature of the Bismut connection: Bismut Yamabe problem and Calabi-Yau with torsione metrics*, February 2023, Journal of Geometric Analysis 33(5) DOI: 10.1007/s12220-023-01203-2.
23. Vestislav Apostolov, Jeffrey Streets, Yury Ustinovskiy, *Variational structure and uniqueness of generalized Kaehler-Ricci solitons*, June 2022, Peking Mathematical Journal, DOI: 10.1007/s42543-022-00049-x.
24. Shuwen Chen, Fangyang Zheng, *On Strominger space forms*, April 2022, Journal of Geometric Analysis 32(4), DOI: 10.1007/s12220-022-00882-7.
25. Mario Garcia-Fernandez and Jeffrey Streets, **Generalized Ricci Flow**, University Lecture Series, volume 76, AMS 2021,.
26. Danielle Angella, Arturas Dubickas, Alexandra Otman, Jonas Stelzig, *On metric and cohomological properties of Oeljeklaus-Toma manifolds*, Publ. Mat. 68 (2024), no. 1, 219-239.
27. A. Andrada, R. Villacampa, *Bismut connection on Vaisman manifolds*, Mathematische Zeitschrift 302 (2022), no. 2, 1091-1126. : DOI: 10.1007/s00209-022-03108-2.
28. Fabio Podesta, Alberto Raffero, *Infinite families of homogeneous Bismut Ricci flat manifolds*, Communications in Contemporary Mathematics Vol. 26, No. 02, 2250075 (2024), <https://doi.org/10.1142/S0219199722500754>.
29. Tommaso Sferruzza, Adriano Tomassini, *On cohomological and formal properties of Strong Kaehler with torsion and astheno-Kaehler metrics*, Math. Z. 304 (2023), no. 4, Paper No. 55, 27 pp.
30. Poula Tadros, Iiro Vilja, *Low energy models of string theory*, arXiv:2210.16597.
31. Kyle Broder, James Stanfield, *On the Gauduchon Curvature of Hermitian Manifolds*, April 2023, International Journal of Mathematics 34(07), DOI: 10.1142/S0129167X23500398.
32. Vestislav Apostolov, Xin Fu, Jeffrey Streets, Yury Ustinovskiy, *The generalized Kaehler Calabi-Yau problem*, arXiv:2211.09104.
33. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
34. Adrian Andrada, Alejandro Tolcachier, *Harmonic complex structures and special Hermitian metrics on products of Sasakian manifolds*, Journal of Geometric Analysis 34(6) DOI: 10.1007/s12220-024-01620-x.
35. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, arXiv:2303.05274.
36. Quanting Zhao, Fangyang Zheng, *Bismut Kaehler-like manifolds of dimension 4 and 5*, arXiv:2303.09267.
37. Anna Fino, Lucia Martin-Merchan, Alberto Raffero, *The twisted G2 equation for strong G2-structures with torsion*, to appear in Pure and Applied Mathematics Quarterly.
38. Yanan Ye, *Bismut Einstein metrics on compact complex manifolds*, arXiv:2212.04060.
39. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni, *The parabolic quaternionic Calabi-Yau equation on hyperKaehler manifolds*, arXiv:2303.02689.
40. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
41. Jordan, Joshua Pierce, *Generalized geometry and pluriclosed flow*, Thesis Doctoral, University of California, Irvine, 2023. <https://escholarship.org/uc/item/9tb0w3hh>
<https://escholarship.org/content/qt9tb0w3hh/qt9tb0w3hh.pdf>

42. Tommaso Sferuzzi, *Formality of special complex manifolds: deformations and cohomological properties*, Thesis Doctoral, University of Parma, 2022. <https://www.repository.unipr.it/handle/1889/5386>
<https://www.repository.unipr.it/bitstream/1889/5386/5/Tesi%20dottorato%20Sferuzzi%20%28revised%29.pdf>
 43. Kuan-Hui Lee, *The stability of non-Kähler Calabi-Yau metrics*, arXiv:2401.06867.
 44. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
 45. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
 46. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
- **"Weyl structure with positive Ricci tensor (with B. Alexandrov), *Diff. Geom. Appl.* 18 (2003), 343-350.**
цитирования - 4.
 1. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020 Mathematische Zeitschrift DOI: 10.1007/s00209-020-02598-2.
 2. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds 10 (2023), no. 1, Paper No. 20220150, 24 pp. <https://doi.org/10.1515/coma-2022-0150>.
 3. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
 4. Ewelina Mulawa, *A Detailed Description of the Generalized Calabi Type Kähler Surfaces*, Journal of Geometry and Physics (2024), DOI: 10.1016/j.geomphys.2024.105112.
 - **"Geometry of Quaternionic Kähler connections with torsion *J. Geom. Phys.* 41 (2002), 235-257.**
цитирования - 5.
 1. Uwe Semmelmann, Gregor Weingart, *The Standard Laplace Operator*, manuscripta mathematica, 2019, Volume 158, Issue 1-2, pp 273-293.
 2. Vasilev, S., *On metric connections with totally skew-symmetric torsion tensor*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften am Fachbereich Mathematik und Informatik der Philipps-Universität Marburg 2019.
 3. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
 4. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G_2 -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
 5. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
 - **"Parallel spinors and connections with skew-symmetric torsion in string theory (with Th. Friedrich), *Asian Journ. Math.* 6(2002), 303 - 336.**
цитирования - 82
 1. Rui Albuquerque, *Self-duality and associated parallel or cocalibrated G_2 structures*, Ann. Acad. Sci. Fenn. Math. 45 (2020), 325-342.
 2. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and ∇ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
 3. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
 4. Mario Garcia-Fernandez, *Ricci flow, Killing spinors, and T-duality in generalized geometry*, Advances in Mathematics Volume 350, 9 July 2019, Pages 1059-1108, <https://doi.org/10.1016/j.aim.2019.04.038>.
 5. Inoguchi, J., Munteanu, M.I. & Nistor, A.I., *Magnetic curves in quasi-Sasakian 3-manifolds*, Anal.Math.Phys. (2019) 9: 43. <https://doi.org/10.1007/s13324-017-0180-x>.
 6. Cristina Draper, Miguel Ortega, Francisco J. Palomo, *Affine Connections on 3-Sasakian and Manifolds*, Mathematische Zeitschrift 294 (2020), no. 1-2, 817-868; DOI: 10.1007/s00209-019-02304-x
 7. Lucia Martin-Merchan, *Spinorial classification of Spin(7) structures*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XXI (2020), pp. 873-910.

8. Ilka Agricola, Giulia Dileo, *Generalizations of 3-Sasakian manifolds and skew torsion*, Advances in Geometry Volume 20 (2020): Issue 3 (Jul 2020), DOI: 10.1515/advgeom-2018-0036.
9. Richard Cleyton, Andrei Moroianu, Uwe Semmelmann, *Metric connections with parallel skew-symmetric torsion*, Advances in Mathematics, Volume 378, 12 February 2021, 107519, <https://doi.org/10.1016/j.aim.2020.107519>.
10. F. Leitner, *Parallel spinors and basic holonomy on pseudo-Hermitian geometry*, Annals of Global Analysis and Geometry 55 (2019), no. 2, 181-196.
11. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
12. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in $(1,0)$ non-linear σ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
13. Fontanals, C. D., Garvin, A., Palomo, F. J., *Einstein with skew-torsion connections on Berger spheres*, Journal of Geometry and Physics (2018), doi:10.1016/j.geomphys.2018.08.006.
14. Reinier Storm, *Structure theory of naturally reductive spaces*, Differential Geom. Appl. 64 (2019), 174-200.
15. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Superpotential of Three Dimensional $N=1$ Heterotic Supergravity*, Journal of High Energy Physics; Heidelberg Vol. 2020, Iss. 1, (Jan 2020). DOI:10.1007/JHEP01(2020)195.
16. Avijit Sarkar, Amit Sil, Avijit Kumar Paul, *On Three-Dimensional Quasi-Sasakian Manifolds And Magnetic Curves*, Applied Mathematics E-Notes, 19(2019), 55-64. Available free at mirror sites of <http://www.math.nthu.edu.tw/amen/>
17. Kamil Niedzialomski, *Harmonic $SU(3)$ - and G_2 -structures via spinors*, Results Math. 75 (2020), no. 3, Paper No. 118, 18 pp.
18. Pawel Nurowski, *On certain classes of $Sp(4, R)$ symmetric G_2 structures*, Ann Glob Anal Geom **59** (2021), 233-244. <https://doi.org/10.1007/s10455-020-09747-0>
19. Ioannis Chrysikos, *A note on the volume of ∇ -Einstein manifolds with skew-torsion*, August 2020, Communications in Mathematics, DOI: 10.2478/cm-2020-0009.
20. Paul-Andi Nagy, Liviu Ornea, *Conformal foliations, Kähler twists and the Weinstein construction*, arXiv:1909.11499.
21. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
22. Ilka Agricola, Verena Bägelein, Frank Duzaar, *In memoriam Thomas Friedrich (1949–2018)*, November 2019, Annals of Global Analysis and Geometry 56(4).
23. T. Jentsch, G Weingart, *Jacobi relations on naturally reductive homogeneous spaces*, Annals of Global Analysis and Geometry, 59, 109–156 (2021). DOI: 10.1007/s10455-020-09740-7
24. Vicente Cortes, Calin Lazaroiu, C. S. Shahbazi, *Spinors of real type as polyforms and the generalized Killing equation*, Mathematische Zeitschrift vol. 299, pages 1351-1419 (2021), DOI: 10.1007/s00209-021-02726-6
25. Vasilev, S., *On metric connections with totally skew-symmetric torsion tensor*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften am Fachbereich Mathematik und Informatik der Philipps-Universität Marburg 2019.
26. Anthony Ashmore, Charles Strickland-Constable, David Tennyson, Daniel Waldram, *Heterotic backgrounds via generalised geometry: moment maps and moduli*, J. High Energ. Phys. 2020, 71 (2020). [https://doi.org/10.1007/JHEP11\(2020\)071](https://doi.org/10.1007/JHEP11(2020)071)
27. Zeynab Didekhani, Behzad Najafi, Nikrooz Heidari, *On Nearly Kähler Finsler Spaces*, Appl. Appl. Math. 14 (2019), no. 2, 1243-1268.
28. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the G_2 -Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
29. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed G_2 -structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
30. C. I. Lazaroiu, C. S. Shahbazi, *Four-dimensional geometric supergravity and electromagnetic duality: a brief guide for mathematicians*, Rev. Roumaine Math. Pures Appl. 66 (2021), no. 2, 265-306.

31. Adrian Andrada, Giulia Dileo, *Odd dimensional counterparts of abelian complex and hypercomplex structures*, October 2022, Mathematische Nachrichten DOI: 10.1002/mana.202000599.
32. Vladimir Rovenski, Tomasz Zawadzki, *The Einstein-Hilbert type action on metric-affine almost-product manifolds*, July 2020, arXiv:2007.12406.
33. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
34. Ilka Agricola, Giulia Dileo, Leander Stecker, *Homogeneous non-degenerate $3-(\alpha - \delta)$ -Sasaki manifolds and submersions over quaternionic Kähler spaces*, April 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09762-9
35. Andrei Moroianu, Mihaela Pilca, *Metric connections with parallel twistor-free torsion*, June 2021, International Journal of Mathematics, DOI: 10.1142/S0129167X21400115.
36. Ragini Singhal, *Deformations of G_2 -instantons on nearly G_2 manifolds*, June 2022 Annals of Global Analysis and Geometry, vol. 62 (2022), DOI: 10.1007/s10455-022-09853-1.
37. Anna Abasheva, *Total spaces of tangent bundles to naturally reductive spaces*, Preprint Columbia University 2019, http://www.math.columbia.edu/~anabasheva/tangent_nature_red.pdf
38. Marc-Antoine Fiset, Matthias R. Gaberdiel, *Deformed Shatashvili-Vafa algebra for superstrings on $AdS_3 \times M_7$* , May 2021, Journal of High Energy Physics 2021(5), DOI: 10.1007/JHEP05(2021)156
39. **Xenia de la Ossa, Magdalena Larfors, Matthew Magill, *Almost contact structures on manifolds with a G_2 structure*, Adv. Theor. Math. Phys. **26** (2022), no. 1, 143-215.**
40. Vladimir Rovenski, Tomasz Zawadzki, *The Mixed Scalar Curvature of Almost-Product Metric-Affine Manifolds, II*, August 2021, Results in Mathematics 76 (3), DOI: 10.1007/s00025-021-01465-8.
41. Bogdan Balcerzak, *On Symmetric Brackets Induced by Linear Connections*, June 2021, Symmetry 13(6):1003, DOI: 10.3390/sym13061003.
42. S.V. Galaev, *N-Einstein almost contact metric manifolds*, Vestnik Tomskogo gosudarstvennogo universiteta. Matematika i mekhanika, 2021. № 70. DOI: 10.17223/19988621/70/1.
43. Lino Grama, Ailton R. Oliveira, *Scalar Curvatures of invariant almost Hermitian structures on generalized flag manifolds*, SIGMA 17 (2021), 109, 30 pages, <https://doi.org/10.3842/SIGMA.2021.109>
44. Sergey V. Galaev, *Almost quasi-Sasakian manifolds equipped with skew-symmetric connectiona*, rXiv:2108.03659.
45. Anthony Ashmore, Andre Coimbra, Charles Strickland-Constable, Eirik Eik Svanes, David Tennyson, *Topological G_2 and $Spin(7)$ strings at 1-loop from double complexes*, February 2022, Journal of High Energy Physics 2022(2), DOI: 10.1007/JHEP02(2022)089.
46. Kamil Niedzialomski, *An integral formula for G_2 -structures*, March 2022, Journal of Geometry and Physics 176 (2022), Paper No. 104511, 11 pp., DOI: 10.1016/j.geomphys.2022.104511
47. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G_2 system*, arXiv:2111.13221.
48. Ragini Singhal, *Deformation theory of nearly G_2 -structures and nearly G_2 instantons*, A thesis presented to the University of Waterloo in fulfillment of the thesis requirement for the degree of Doctor of Philosophy in Pure Mathematics Waterloo, Ontario, Canada, 2021.
49. Fabio Podesta, Alberto Raffero, *Bismut Ricci flat manifolds with symmetries*, July 2022, Proceedings of the Royal Society of Edinburgh Section A Mathematics 153(2023), no.4, 1371-1390. DOI: 10.1017/prm.2022.49.
50. Karsten Matthies, Johannes Nordström, Matt Turner, *$SU(2)^2 \times U(1)$ -invariant G_2 -instantons on the AC limit of the $C7$ family*, arXiv:2202.05028.
51. Igor Ernst, Anton S. Galaev, *On Lorentzian connections with parallel skew torsion*, Jan 2022, Documenta mathematica Journal der Deutschen Mathematiker-Vereinigung 27 (2022), 2333-2384. DOI: 10.4171/dm/x31
52. Ilka Agricola, Jordan Hofmann, Marie-Amelie Lawn, *Invariant Spinors on Homogeneous Spheres*, Aug 2023, Differential Geometry and its Applications 89(3):102014, DOI: 10.1016/j.difgeo.2023.102014.
53. Magill, M., *Aspects of vacuum moduli in string theory*, 2022 Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology 2118. 87 pp. Uppsala: Acta Universitatis Upsaliensis. ISBN 978-91-513-1411-2, Dissertation presented at Uppsala University for the degree of Doctor of Philosophy (2022).

54. Francisco Martin Cabrera, *Remarks on some integral formulas for G_2 -structures*, arXiv:2204.12838.
55. Fabio Podesta, Alberto Raffero, *Infinite families of homogeneous Bismut Ricci flat manifolds*, Communications in Contemporary Mathematics Vol. 26, No. 02, 2250075 (2024), <https://doi.org/10.1142/S0219199722500754>.
56. Shengda Hu, *Differential calculus for generalized geometry and geometric Lax flows*, June 2022 DOI: 10.48550/arXiv.2206.04566, LicenseCC BY-NC-ND 4.0, arXiv:2206.04566.
57. L Martin Merchan, *Spin (7) structures, spinors and nilmanifolds* PhD Dissertation University of Malaga,- 2022, https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y.
58. Daniele Farotti, *Heterotic de-Sitter Solutions* DOI: 10.48550/arXiv.2206.05190.
59. Izar Alonso, *Coclosed G_2 -structures on $SU(2)^2$ -invariant cohomogeneity one manifolds*, DOI: 10.48550/arXiv.2209.02761, arXiv:2209.02761.
60. Leander Stecker, *Canonical Submersions in Nearly Kaehler Geometry*, arXiv:2211.14012.
61. Dario Di Pinto, Giulia Dileo, *Anti-quasi-Sasakian manifolds*, June 2023, Annals of Global Analysis and Geometry 64(1) DOI: 10.1007/s10455-023-09907-y.
62. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G -structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
63. Adrian Andrada, Alejandro Tolcachier, *Harmonic complex structures and special Hermitian metrics on products of Sasakian manifolds*, Journal of Geometric Analysis 34(6) DOI: 10.1007/s12220-024-01620-x.
64. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
65. Igor Ernst, Anton S. Galaev, *Lorentzian connections with parallel twistor-free torsion*, Collectanea Mathematica (2024), DOI: 10.1007/s13348-023-00430-8.
66. S.V. Galaev, E.A. Kokin, *On the Geometry of Almost Quasi-Para-Sasakian Manifolds Equipped with a Canonical N -Connection*, March 2023, Izvestiya of Altai State University DOI: 10.14258/izvasu(2023)1-13
67. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G_2 -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
68. Anna Fino, Lucia Martin-Merchan, Alberto Raffero, *The twisted G_2 equation for strong G_2 -structures with torsion*, to appear in Pure and Applied Mathematics Quarterly.
69. Sergey GalaevEvgeny Kokin, *Geometry of sub-Riemannian manifolds equipped with a quasi-semi-Weyl structure*, Mar 2023, DOI: 10.5772/intechopen.1001321 In book: Topology - Recent Advances and Applications
70. David N. Pham, Fei Ye, *Left-invariant Hermitian connections on Lie groups with almost Hermitian structures*, to appear in Glasnik Matematički, 2024, arXiv:2308.00126.
71. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
72. S. Ohno, *Rarita-Schwinger fields on nearly parallel G_2 -manifolds*, Journal of Geometry and Physics, 105024, doi: <https://doi.org/10.1016/j.geomphys.2023.105024>.
73. Andoni De Arriba De La Hera, *Supersymmetric Vertex Algebras and Killing Spinors*, Tesis Doctoral, Universidad Complutense de Madrid Facultad de Ciencias Matematicas, 2022.
74. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of G_2 -structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
75. Kamil Niedzialomski, *A Note on Invariant Description of $SU(2)$ -Structures in Dimension 5*, November 2023, Results in Mathematics 79(1), DOI: 10.1007/s00025-023-02042-x.
76. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
77. Mateo Galdeano, Leander Stecker, *The heterotic G_2 system with reducible characteristic holonomy*, arXiv:2403.00084.
78. C. Zosangzuala, Jay Prakash Singh, *Characterization of almost \ast -Ricci-Yamabe solitons isometric to a unit sphere*, March 2024 Novi Sad Journal of Mathematics, DOI: 10.30755/NSJOM.15576.

79. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
 80. C. S. Shahbazi, *Differential spinors and Kundt three-manifolds with skew-torsion*, arXiv:2405.03756 .
 81. Pietro Ferrero, *D6 branes wrapped on a spindle and $Y^{p,q}$ -manifolds*, 2024, Journal of High Energy Physics 2024(05):1-22, DOI: 10.1007/JHEP05(2024)182.
 82. Jordan Ariel Mackay Hofmann, *Special Spinors and Homogeneous Geometries*, September 2022, Department of Mathematics King's College London Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy and the Diploma of King's College London.
https://kclpure.kcl.ac.uk/ws/portalfiles/portal/219944956/2023_Hofmann_Jordan_1899557_thesis.pdf
- **"Almost contact manifolds, connections with torsion, and parallel spinors (with Th. Friedrich), J. reine angew.Math., 559 (2003), 217-236.**
цитування - 4.
 1. Cristina Draper, Miguel Ortega, Francisco J. Palomo, *Affine Connections on 3-Sasakian and Manifolds*, Mathematische Zeitschrift 294 (2020), no. 1-2, 817-868; DOI: 10.1007/s00209-019-02304-x
 2. Sunil Kumar Yadav, Abhishek Kushwaha, Dhruwa Narain, *Certain results for η -Ricci Solitons and Yamabe Solitons on quasi-Sasakian 3-Manifolds*, August 2019 CUBO 21(2):77-98, DOI: 10.4067/S0719-06462019000200077
 3. A. Sarkar, Pradip Bhakta, Matilal Sen, *Some Characterizations of Anti Invariant Submanifolds of Trans-Sasakian Manifolds*, December 2020, Asian-European Journal of Mathematics 14(09). DOI: 10.1142/S1793557121501679.
 4. Mohd Danish Siddiqi and Ali H. Hakami, *Quasi-Sasakian 3-manifolds endowed with an η -Einstein Metrics*, Palestine Journal of Mathematics, Vol. 12(4)(2023) , 230-244.
 - **"Connection with torsion, parallel spinors and geometry of $Spin(7)$ manifolds Math. Res. Lett., 11 (2004), 171-186.**
цитування - 29
 1. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of $Spin(7)$ -instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
 2. Teng Huang, *L^2 harmonic forms on complete special holonomy manifolds* , Ann. Glob. Anal. Geom. 56 (2019), no.1, 17-36.
 3. Lucia Martin-Merchan, *Spinorial classification of $Spin(7)$ structures*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XXI (2020), pp. 873-910.
 4. V. Manero, L. Ugarte, *Einstein warped G_2 and $Spin(7)$ manifolds*, Communications in Mathematical Physics, 369 (2019), no. 2, 637- 673, DOI: 10.1007/s00220-019-03355-1
 5. Richard Cleyton, Andrei Moroianu, Uwe Semmelmann, *Metric connections with parallel skew-symmetric torsion*, Adv. Math. 378 (2021), 107519, 50 pp.
 6. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
 7. Xenia de la Ossa, Marc-Antoine Fiset, *\mathcal{G} -structure symmetries and anomalies in $(1,0)$ non-linear σ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
 8. Milos Z. Petrovic, Ljubica S. Velimirovic, *A New Type of Generalized Para-Kähler Spaces and Holomorphically Projective Transformations*, Bulletin of the Iranian Mathematical Society, 45 (2019), no. 4, 1021-1043.
 9. Dmitri Alekseevsky, Ioannis Chrysikos, Anna Fino, Alberto Raffero, *Homogeneous 8-manifolds admitting invariant $Spin(7)$ -structures*, International Journal of Mathematics, 2020, DOI: 10.1142/S0129167X20500603.
 10. Giovanni Bazzoni, Lucia Martin-Merchan, Vicente Munoz, *$Spin$ -harmonic structures and nilmanifolds*, to appear in Comm. Anal. Geom., arXiv:1904.01462
 11. Teng Huang, *Global perturbation function on complete special holonomy manifolds*, Asian J. Math. 25 (2021), no. 3, 393-412.
 12. Udhav Fowdar, *S^1 -quotient of $Spin(7)$ -structures*, March 2020, Annals of Global Analysis and Geometry DOI: 10.1007/s10455-020-09710-z

13. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
 14. Vicente Cortes, Calin Lazaroiu, C. S. Shahbazi, *Spinors of real type as polyforms and the generalized Killing equation*, Mathematische Zeitschrift, vol. 299, pages 1351-1419 (2021), DOI: 10.1007/s00209-021-02726-6
 15. Vasilev, S., *On metric connections with totally skew-symmetric torsion tensor*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften am Fachbereich Mathematik und Informatik der Philipps-Universität Marburg 2019.
 16. Milos Z. Petrovic, Ljubica S. Velimirovic, *Generalized Almost Hermitian Spaces and Holomorphically Projective Mappings*, June 2020, Mediterranean Journal of Mathematics 17:74, DOI: 10.1007/s00009-020-1505-9
 17. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
 18. Andrei Moroianu, Mihaela Pilca, *Metric connections with parallel twistor-free torsion*, June 2021, International Journal of Mathematics, DOI: 10.1142/S0129167X21400115.
 19. Udhav Fowdar, *Circle and Torus Actions in Exceptional Holonomy*, A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy of University College London, September 2020.
 20. L Martin Merchan, *Spin (7) structures, spinors and nilmanifolds* PhD Dissertation University of Malaga,-2022,
https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y.
 21. Kamil Niedzialomski, *Intrinsic torsion and scalar curvature of Spin(7)-structure*, arXiv:2212.13811.
 22. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 23. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
 24. Ilka Agricola, Jordan Hofmann, *H-Killing Spinors and Spinorial Duality for Homogeneous $3-\alpha, \beta$ -Sasaki Manifolds*, arXiv:2309.16610.
 25. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
 26. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
 27. Eyup Yalcinkaya, *On Locally Conformal Spin(7) Structure*, arXiv:2403.00731.
 28. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
 29. Jordan Ariel Mackay Hofmann, *Special Spinors and Homogeneous Geometries*, September 2022, Department of Mathematics King's College London Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy and the Diploma of King's College London.
https://kclpure.kcl.ac.uk/ws/portalfiles/portal/219944956/2023_Hofmann_Jordan_1899557_ethesis.pdf
- **"Killing spinor equations in dimension 7 and geometry of integrable G_2 manifolds (with Th. Friedrich), J. Geom.Phys., 48 (2003), 1-11.**
цитирания - 25.
1. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
 2. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in $(1,0)$ non-linear σ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
 3. Andrea Legramandi, Niall T. Macpherson, *$Mink_4 \times S^2$ Solutions of 10 and 11 Dimensional Supergravity*, Journal of High Energy Physics 2019(7), DOI: 10.1007/JHEP07(2019)134
 4. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Superpotential of Three Dimensional $N=1$ Heterotic Supergravity*, Journal of High Energy Physics; Heidelberg Vol. 2020, Iss. 1, (Jan 2020). DOI:10.1007/JHEP01(2020)195.

5. Pawel Nurowski, *On certain classes of $Sp(4, R)$ symmetric $G2$ structures*, Ann Glob Anal Geom **59** (2021), 233-244. <https://doi.org/10.1007/s10455-020-09747-0>
 6. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
 7. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the $G2$ -Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
 8. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed $G2$ -structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
 9. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
 10. Christopher Lin, *Some Observations on Conformal Symmetries of $G2$ -structures*, Adv. Geom.24(2024), no.2, 229-246.
 11. Marc-Antoine Fiset, Matthias R. Gaberdiel, *Deformed Shatashvili-Vafa algebra for superstrings on $AdS_3 \times M_7$* , May 2021, Journal of High Energy Physics 2021(5) DOI: 10.1007/JHEP05(2021)156
 12. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, *Almost contact structures on manifolds with a $G2$ structure*, Adv. Theor. Math. Phys. 26 (2022), no. 1, 143-215.
 13. Anthony Ashmore, Andre Coimbra, Charles Strickland-Constable, Eirik Eik Svanes, David Tennyson, *Topological $G2$ and $Spin(7)$ strings at 1-loop from double complexes*, February 2022, Journal of High Energy Physics 2022(2) DOI: 10.1007/JHEP02(2022)089.
 14. Kamil Niedzialomski, *An integral formula for $G2$ -structures*, March 2022 Journal of Geometry and Physics 176 (2022), Paper No. 104511, 11 pp., DOI: 10.1016/j.geomphys.2022.104511
 15. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic $G2$ system*, arXiv:2111.13221.
 16. Magill, M., *Aspects of vacuum moduli in string theory*, 2022 Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology 2118. 87 pp. Uppsala: Acta Universitatis Upsaliensis. ISBN 978-91-513-1411-2, Dissertation presented at Uppsala University for the degree of Doctor of Philosophy (2022).
 17. Francisco Martin Cabrera, *Remarks on some integral formulas for $G2$ -structures*, arXiv:2204.12838.
 18. Jason D. Lotay, Henrique N. Sa Earp, *The heterotic $G2$ system on contact Calabi-Yau 7-manifolds*, Trans. Amer. Math. Soc. Ser. B 10 (2023), 907-943.
 19. Izar Alonso, *Coclosed $G2$ -structures on $SU(2)^2$ -invariant cohomogeneity one manifolds*, , DOI: 10.48550/arXiv.2209.02761, arXiv:2209.02761.
 20. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G -structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 21. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
 22. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *$G2$ -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
 23. Anna Fino, Lucia Martin-Merchan, Alberto Raffero, *The twisted $G2$ equation for strong $G2$ -structures with torsion*, to appear in Pure and Applied Mathematics Quarterly, arXiv:2306.07128.
 24. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
 25. Mateo Galdeano, Leander Stecker, *The heterotic $G2$ system with reducible characteristic holonomy*, arXiv:2403.00084.
- **"Quaternionic Kähler and hyperKähler manifolds with torsion and twistor spaces (with I. Minchev), J. reine angew. Math., 567 (2004), 215-233.**
- цитирования - 3.*
1. B. Kruglikov, H. Winther, *Submaximally Symmetric Quaternion Hermitian Structures*, Internat. J. Math. 31 (2020), no. 11, 2050084, 25 pp.
 2. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
 3. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.

- **"Deformations of generalized calibrations and compact non-Kähler manifolds with vanishing first Chern class (with J.Gutowski and G. Papadopoulos), Asian Journ. Math., 7 (2003), 39-80.**

цитирования - 7.

1. Reinier Storm, *Lagrangian submanifolds of the nearly Kähler full flag manifold $F_{1,2}(C^3)$* , Journal of Geometry and Physics Volume 158, December 2020, 103844
2. Alexei Kovalev, *Deformations of calibrated submanifolds with boundary*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_16
3. Lin, L., Vrancken, L. & Wijffels, A., *Almost complex submanifolds of nearly Kähler manifolds*, Arch. Math. (2020), <https://doi.org/10.1007/s00013-020-01469-w>
4. Reinier Storm, *A note on Lagrangian submanifolds of twistor spaces and their relation to superminimal surfaces*, Differential Geometry and its Applications Volume 73, December 2020, 101669. <https://doi.org/10.1016/j.difgeo.2020.101669>.
5. Anna Fino, Gueo Grantcharov, *CYT and SKT metrics on compact semi-simple Lie groups*, SIGMA Symmetry Integrability Geom. Methods Appl. 19 (2023), Paper No. 028, 15 pp.
6. **Tristan C. Collins, Sergei Gukov, Sebastien Picard, Shing-Tung Yau, Special Lagrangian cycles and Calabi-Yau transitions**, Commun. Math. Phys. (2023). <https://doi.org/10.1007/s00220-023-04655-3>, arXiv:2111.10355
7. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.

- **"On the geometry of closed G_2 -structures (with R.Cleyton), Commun. Math. Phys., 270 (2007), 53-67.**

цитирования - 24.

1. Marco Freibert, Andrew Swann, *The shear construction*, Geometriae Dedicata 198, 71-101 (2019). <https://doi.org/10.1007/s10711-018-0330-9>.
2. V. Manero, L. Ugarte, *Einstein warped G_2 and Spin (7) manifolds*, Communications in Mathematical Physics, 369 (2019), no. 2, 637- 673, DOI: 10.1007/s00220-019-03355-1
3. Yi Li, *Local curvature estimates for the Laplacian flow*, February 2021, Calculus of Variations and Partial Differential Equations 60(1) DOI: 10.1007/s00526-020-01894-3
4. Anna Fino, Alberto Raffero, *A class of eternal solutions to the G_2 -Laplacian flow*, The Journal of Geometric Analysis, (2020), DOI: 10.1007/s12220-020-00447-6
5. Marisa Fernandez, Anna Fino, Alexei Kovalev, Vicente Munoz, *A compact G_2 -calibrated manifold with first Betti number $b_1 = 1$* , April 2021, Advances in Mathematics 381(10):107623, DOI: 10.1016/j.aim.2021.107623.
6. Marisa Fernandez, Anna Fino, Alberto Raffero, *On G_2 -structures, special metrics and related flows*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_10
7. Sergey Grigorian, *Flows of co-closed G_2 -structures*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020 DOI: 10.1007/978-1-0716-0577-6_12
8. Fernandez, M., Manero, V., & Sanchez, J. *The Laplacian Flow of Locally Conformal Calibrated G_2 -Structures*, Axioms, 8(1), 7 (2019). doi:10.3390/axioms8010007
9. Jorge Lauret, Marina Nicolini, *The classification of ERP G_2 -structures on Lie groups*, April 2020, Annali di Matematica Pura ed Applicata DOI: 10.1007/s10231-020-00977-4
10. Fabio Podesta, Alberto Raffero, *Closed G_2 -structures with a transitive reductive group of automorphisms*, Asian J. Math. 25 (2021), no. 6, 897-910.
11. Gavin Ball, *Closed G_2 -structures with conformally flat metric*, arXiv:2002.01634.
12. Gavin Ball, *Seven-Dimensional Geometries With Special Torsion*, PH.D Thesis, Department of Mathematics, Duke University 2019.
13. Ines Kath, Jorge Lauret, *A new example of a compact ERP G_2 -structure*, June 2021, Bulletin of the London Mathematical Society, DOI: 10.1112/blms.12520.
14. Lucia Martin-Merchan, *A compact non-formal closed G_2 manifold with $b_1 = 1$* , Math. Nachrichten (2022), DOI: 10.1002/mana.202000452

15. Anna Fino, Alberto Raffero (2022), *Recent results on closed G2-structures*, In: Hervik S., Kruglikov B., Markina I., The D. (eds) *Geometry, Lie Theory and Applications*. Abel Symposia, vol 16. Springer, Cham.(2022), https://doi.org/10.1007/978-3-030-81296-6_3.
 16. Paul-Andi Nagy, Uwe Semmelmann, *Deformations of nearly G2-structures*, June 2021, Journal of the London Mathematical Society, DOI: 10.1112/jlms.12475.
 17. Marisa Fernandez, Marco Freibert, Jonatan Sanchez, *A non Ricci-flat Einstein pseudo-Riemannian metric on a 7-dimensional nilmanifold*, May 2022 Bulletin of the Belgian Mathematical Society, Simon Stevin 28 (4) , DOI: 10.36045/j.bbms.210210.
 18. Sergey Grigorian, *Smooth loops and loop bundles*, Advances in Mathematics Volume 393, 24 December 2021, 108078, <https://doi.org/10.1016/j.aim.2021.108078>,
 19. Aaron Kennon, *Remarks on Exact G2-Structures on Compact Manifolds*, Diff. Geom. Appl. (2024) 93(1):102101 DOI: 10.1016/j.difgeo.2023.102101.
 20. L Martin Merchan, *Spin (7) structures, spinors and nilmanifolds* PhD Dissertation University of Malaga,-2022, https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y.
 21. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 22. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of G2-structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
 23. **A. Payne, *Closed G₂-Structures with Negative Ricci Curvature*, arXiv:2310.19553.**
 24. Nicholas Ng, *On homogeneous closed gradient Laplacian solitons and the modified conformal Hessian*, Dissertation Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Mathematics, Syracuse University, May 2023.
<https://surface.syr.edu/cgi/viewcontent.cgi?article=2683&context=etd>
- **"Para-Hermitian and Para-Quaternionic manifolds (with S.Zamkovoy), Diff. Geom. Appl., 23 (2005), 205-234.**
цитування - 24.
 1. E. Peyghan, L. Nourmohammadifar, *Para-Kahler hom-Lie algebras*, Journal of Algebra and Its Applications (2019) 1950044 (24 pages), World Scientific Publishing Company DOI: 10.1142/S0219498819500440
 2. Leila Nourmohammadifar, Esmaeil Peyghan, *Nearly para-Kaehler geometry on Lie groups*, Quaestiones Mathematicae, (2021) DOI: 10.2989/16073606.2021.1969603
 3. Diego Conti, Federico A. Rossi, *Einstein nilpotent Lie groups*, J. Pure Appl. Algebra 223 (2019), no. 3, 976-997.
 4. Laurent Freidel, Felix J. Rudolph, David Svoboda, *A Unique Connection for Born Geometry*, Communications in Mathematical Physics, (2019) DOI: 10.1007/s00220-019-03379-7.
 5. Varun Thakre, *Hypersymplectic manifolds and associated geometries*, arXiv:1901.05629.
 6. David Svoboda, Felix J. Rudolph, *Born Geometry in a Nutshell*, Conference: Corfu Summer Institute 2018 "School and Workshops on Elementary Particle Physics and Gravity (2019) DOI: 10.22323/1.347.0126
 7. Grigorian, S., & Zhang, J., *(Para-)Holomorphic and Conjugate Connections on (Para-)Hermitian and (Para-)Kähler Manifolds*, Results in Mathematics, 74(4), (2019), 149-177. doi:10.1007/s00025-019-1071-2
 8. Diego Conti, Viviana del Barco, Federico A. Rossi, *Diagram involutions and homogeneous Ricci-flat metrics*, Manuscripta Math.165(2021), no.3-4, 381–413.
 9. T.Tshikuna-Matamba, *Almost Paracontact 3-Submersions*, Journal of Advances in Mathematics Vol 17 (2019) ISSN: 2347-1921, <https://rajpub.com/index.php/jam>, DOI: <https://doi.org/10.24297/jam.v17i0.8507>.
 10. David Svoboda, *Born Geometry*, A thesis presented to the University of Waterloo in fulfillment of the thesis requirement for the degree of Doctor of Philosophy in Physics Waterloo, Ontario, Canada, 2020.

11. Fernandez-Culma, E. A., Godoy, Y., & Salvai, M., *Generalized complex and paracomplex structures on product manifolds* Revista de La Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas, (RACSAM) (2020), 114(3). doi:10.1007/s13398-020-00887-3
12. Simona-Luiza Druta-Romaniuc, (α, ϵ) -STRUCTURES OF GENERAL NATURAL LIFT TYPE ON COTANGENT BUNDLES, Recent Topics in Differential Geometry and its Related Fields, 63-81, November 2019, DOI: 10.1142/9789811206696_0005 Proc. 6th International Colloquium on Differential Geometry and its Related Fields, Veliko Tarnovo, Bulgaria 4-8 September 2018.
13. Ilmas Gunduzalp, *Neutral slant submersions in paracomplex geometry*, Afrika Matematika (2021), DOI: 10.1007/s13370-021-00884-8.
14. Johann Davidov, Gueo Grantcharov, Oleg Mushkarov, *Complex surfaces and null conformal Killing vector fields*, J. Geom Anal 33, 224 (2023). <https://doi.org/10.1007/s12220-023-01265-2>.
15. , Y. Gunduzalp *Warped product pointwise hemi-slant submanifolds of a Para-Kaehler manifold*, Filomat 36:1 (2022), 275–288, <https://doi.org/10.2298/FIL2201275G>
16. H. Manev, **Natural connections on Riemannian P-manifolds** (in bulgarian), Plovdiv 2022
17. Esra Basarir Noyani, Yilmaz Gunduzalp, *Proper Semi-Slant Pseudo-Riemannian Submersions in Para-Kaehler Geometry*, October 2022, International Electronic Journal of Geometry 15(2):254-266, DOI: 10.36890/iejg.1033345
18. Esra Basarir, Noyan and Yilmaz Gunduzalp, *Proper bi-slant pseudo-Riemannian submersions whose total manifolds are para-Kaehler manifolds*, Honam Mathematical J. 44 (2022), No. 3, pp. 370-383. <https://doi.org/10.5831/HMJ.2022.44.3.370>.
19. W.A. Sabra, *Hypersymplectic geometry and supersymmetric solutions in (t,s) 5D supergravity*, Phys. Rev. D 104, 046012 - Published 9 August 2021, DOI:<https://doi.org/10.1103/PhysRevD.104.046012>.
20. Mohammad Bagher, Kazemi Balgeshir, Fatemeh Raei, *Recurrent and ϕ -recurrent curvature on mixed 3-Sasakian manifolds*, January 2023, Novi Sad Journal of Mathematics. DOI: 10.30755/NSJOM.10764.
21. Liu, X., Zhang, Y. (2023). Matrices over Quaternion Algebras. In: Mathematics Online First Collections. Springer, Cham. https://doi.org/10.1007/16618_2023_46.
22. Esra Basarir, Yilmaz Gunduzalp, *Quasi hemi-slant pseudo-Riemannian submersions in para-complex geometry*, Jul 2023, Communications Faculty Of Science University of Ankara Series A1 Mathematics and Statistics 72(4):959-975. DOI: 10.31801/cfsuasmas.1089389.
23. W Krynski, A Sergyeyev, *Two-component integrable extension of general heavenly equation*, arXiv:2402.10317.
24. Milos Z. Petrovic, *On generalized almost para-Hermitian spaces*, Filomat 37:25 (2023), 8719–8724.
- **"SU(3)-instantons and $G_2, Spin(7)$ heterotic string solitons (with P. Ivanov), Commun. Math. Phys., 259 (2005), 79-102.**
цитирания - 16.
 1. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in (1,0) non-linear σ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
 2. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Superpotential of Three Dimensional $N=1$ Heterotic Supergravity*, Journal of High Energy Physics; Heidelberg Vol. 2020, Iss. 1, (Jan 2020). DOI:10.1007/JHEP01(2020)195.
 3. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
 4. E.K. Loginov, *Octonionic instantons in eight dimensions*, March 2021, Physics Letters B 816:136244 DOI: 10.1016/j.physletb.2021.136244.
 5. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, *Almost contact structures on manifolds with a G_2 structure*, Adv. Theor. Math. Phys. 26 (2022), no. 1, 143-215.
 6. Mattia Pujia, *The Hull-Strominger system and the Anomaly flow on a class of solvmanifolds*, Journal of Geometry and Physics 170(2021), Paper No. 104352, 15 pp. DOI: 10.1016/j.geomphys.2021.104352.
 7. E.K. Loginov, *Solitons and exotic instantons*, PHYSICAL REVIEW D 104, 106003 (2021), DOI: 10.1103/PhysRevD.104.106003.
 8. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G_2 system*, arXiv:2111.13221.

9. Mario Garcia-Fernandez, Roberto Rubio, Carlos Shahbazi, Carl Tipler, *Canonical metrics on holomorphic Courant algebroids*, Proceedings of the London Mathematical Society, First published: 21 July 2022, DOI: 10.1112/plms.12468,
 10. Izar Alonso, *Coclosed G_2 -structures on $SU(2)^2$ -invariant cohomogeneity one manifolds*, , DOI: 10.48550/arXiv.2209.02761, arXiv:2209.02761.
 11. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G -structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 12. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G_2 -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
 13. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *$Spin(7)$ -instantons on Joyce's first examples of compact $Spin(7)$ -manifolds*, arXiv:2310.03451.
 14. E Loubeau, *The analysis of the harmonic-spin(7) flow*, arXiv:2311.17800.
 15. Mateo Galdeano, Leander Stecker, *The heterotic G_2 system with reducible characteristic holonomy*, arXiv:2403.00084.
 16. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
- **"Hyper-ParaHermitian manifolds with torsion"(with V. Tsanov and S. Zamkovoy), J. Geom. Phys., 56 (2006), 670-690.**
цитування - 2.
 1. Laurent Freidel, Felix J. Rudolph, David Svoboda, *A Unique Connection for Born Geometry*, Communications in Mathematical Physics, (2019) DOI: 10.1007/s00220-019-03379-7.
 2. Leila Nourmohammadifar, Esmaeil Peyghan, *Nearly para-Kaehler geometry on Lie groups*, Quaestiones Mathematicae, (2021) DOI: 10.2989/16073606.2021.1969603
 - **"Locally conformal parallel G_2 and $Spin(7)$ manifolds (with M. Parton and P. Piccinni), Math. Res. Lett., 13 (2006), 167-177.**
цитування - 14.
 1. Marisa Fernandez, Anna Fino, Alberto Raffero, *On G_2 -structures, special metrics and related flows*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_10
 2. Fernandez, M., Manero, V., & Sanchez, J. *The Laplacian Flow of Locally Conformal Calibrated G_2 -Structures*, Axioms, 8(1), 7 (2019). doi:10.3390/axioms8010007
 3. Udhav Fowdar, *S^1 -quotient of $Spin(7)$ -structures*, March 2020, Annals of Global Analysis and Geometry DOI: 10.1007/s10455-020-09710-z
 4. E. D. Rodionov, V.V. Slavsky, Olesya Khromova, *On Sectional Curvature of Metric Connection with Vectorial Torsion* (in russian), Izvestia AltGU Matematika i mehanika, March 2020, DOI: 10.14258/izvasu(2020)1-21
 5. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
 6. Christopher Lin, *Some Observations on Conformal Symmetries of G_2 -structures*, Adv. Geom.24(2024), no.2, 229-246.
 7. Udhav Fowdar, *Circle and Torus Actions in Exceptional Holonomy*, A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy of University College London, September 2020.
 8. D. Farotti, J. Gutowski, *Supersymmetry Enhancement of Heterotic Horizons*, Classical and Quantum Gravity 39(2), (2022), DOI: 10.1088/1361-6382/ac40e5/
 9. Giovanni Bazzoni,, Anyonio Garvin, Vicente Munoz, *Purely coclosed G_2 -structures on nilmanifolds*, March 2023, Mathematische Nachrichten DOI: 10.1002/mana.202100665.

10. L Martin Merchan, *Spin (7) structures, spinors and nilmanifolds* PhD Dissertation University of Malaga,- 2022,
https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y.
 11. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kahler Geometry**, arXiv:2208.07188.
 12. Marisa Fernandez, Anna Fino, Alexei Kovalev, Vicente Munoz, *On nearly parallel G_2 -manifolds*, arXiv:2208.13046.
 13. Giovanni Bazzoni, Alejandro Gil-Garcia , *Moduli Spaces of (co)closed G_2 -structures on nilmanifolds*, arXiv:2307.04732.
 14. Eyup Yalcinkaya, *On Locally Conformal Spin(7) Structure*, arXiv:2403.00731.
- **" $SU(3)$ -structures on submanifolds of a $Spin(7)$ -manifold"(with Francisco Marti'n Cabrera), *Diff. Geom. Appl.*, **26** (2008), 113-132.**
цитирования - 3.
 1. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
 2. Kamil Niedzialomski, *Intrinsic torsion and scalar curvature of $Spin(7)$ -structure*, arXiv:2212.13811.
 3. Eyup Yalcinkaya, *On Locally Conformal Spin(7) Structure*, arXiv:2403.00731.
 - **"Twistor and Reflector Spaces of Almost Para-Quaternionic Manifolds (with I. Minchev and S. Zamkovoy), Corte's, Vicente (ed.), Handbook of pseudo-Riemannian geometry and supersymmetry. Papers based on the 77th meeting "Encounter between mathematicians and theoretical physicists Strasbourg, France, 2005. Zu"rich: European Mathematical Society. IRMA Lectures in Mathematics and Theoretical Physics 16, 477-496 (2010).**
цитирования - 2.
 1. Vojtech Zadnik, *Interactions between para-quaternionic and Grassmannian geometry*, Ann Glob Anal Geom (2020), <https://doi.org/10.1007/s10455-020-09701-0>.
 2. Сы-е У, *Квантование семейства фазовых пространств* (in Russian), Труды Математического института имени В. А. Стеклова, 2020, том 311, страницы 250-263 DOI: <https://doi.org/10.4213/tm4125>.
In English, Wu, S., *Quantisation of a Family of Phase Spaces*, Proc. Steklov Inst. Math. 311, 233–244 (2020). <https://doi.org/10.1134/S0081543820060152>
 - **"Nearly hypo structures and compact Nearly Kähler 6-manifolds with conical singularities (with M. Ferna'ndez, V.Munoz and L. Ugarte), *Journal London Math. Soc* 78(2008), 580-604.**
цитирования - 4.
 1. Fabio Podesta, *Nearly parallel G_2 -structures with large symmetry group*, December 2019, Canadian Journal of Mathematics DOI: 10.4153/S0008414X19000634.
 2. Gavin Ball, Jesse Madnick, *Associative Submanifolds of the Berger Space* , arXiv:2003.13169.
 3. Diego Conti, Romeo Segnan Dalmasso, *Killing spinors and hypersurfaces*, arXiv:2111.13202.
 4. Ragini Singhal, *Nearly half-flat $SU(3)$ -structures on $S^3 \times S^3$* , arXiv:2310.11233.
 - **"Conformal equivalence between certain geometries in dimension 6 and 7 (with R. Cleyton), *Math. Res. Lett.* 15 (2008), 631-641.**
цитирования - 3.
 1. V. Manero, L. Ugarte, *Einstein warped G_2 and Spin (7) manifolds*, Communications in Mathematical Physics, 369 (2019), no. 2, 637- 673, DOI: 10.1007/s00220-019-03355-1
 2. Marisa Fernandez, Anna Fino, Alberto Raffero, *On G_2 -structures, special metrics and related flows*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_10
 3. Sergey Grigorian, *Estimates and monotonicity for a heat flow of isometric G_2 -structures*, September 2019 Calculus of Variations 58(5):175. DOI: 10.1007/s00526-019-1630-0.

- "Curvature decomposition of G_2 manifolds"(with Richard Cleyton), J. Geom. Phys 58 (2008), 1429-1449.

цитирания - 16.

1. Anna Fino, Alberto Raffero, *Closed warped G_2 -structures evolving under the Laplacian flow*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) 20 (2020), no. 1, 315-348.
2. V. Manero, L. Ugarte, *Einstein warped G_2 and Spin (7) manifolds*, Communications in Mathematical Physics, 369 (2019), no. 2, 637- 673, DOI: 10.1007/s00220-019-03355-1
3. Anna Fino, Alberto Raffero, *A class of eternal solutions to the G_2 -Laplacian flow*, Journal of Geometric Analysis (2020), DOI: 10.1007/s12220-020-00447-6.
4. Sergey Grigorian, *Flows of co-closed G_2 -structures*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_12
5. Jorge Lauret, Marina Nicolini, *Extremally Ricci pinched G_2 -structures on Lie groups*, arXiv:1902.06375.
6. Spiro Karigiannis, *Introduction to G_2 geometry*, Fields Institute Communications volume 84, "Lectures and Surveys on G_2 manifolds and related topics May 2020, DOI: 10.1007/978-1-0716-0577-6_1.
7. Jorge Lauret, Marina Nicolini, *The classification of ERP G_2 -structures on Lie groups*, April 2020, Annali di Matematica Pura ed Applicata DOI: 10.1007/s10231-020-00977-4
8. Gavin Ball, *Closed G_2 -structures with conformally flat metric*, arXiv:2002.01634.
9. Ines Kath, Jorge Lauret, *A new example of a compact ERP G_2 -structure*, June 2021, Bulletin of the London Mathematical Society, DOI: 10.1112/blms.12520.
10. Gavin Ball, *Quadratic closed G_2 -structures*, January 2023, Journal of the London Mathematical Society, (2)107(2023), no.3, 1110-1171. DOI: 10.1112/jlms.12709.
11. Sergey Grigorian, *Smooth loops and loop bundles*, Advances in Mathematics Volume 393, 24 December 2021, 108078, <https://doi.org/10.1016/j.aim.2021.108078>.
12. Aaron Kennon, *Remarks on Exact G_2 -Structures on Compact Manifolds*, Diff. Geom. Appl. (2024) 93(1):102101 DOI: 10.1016/j.difgeo.2023.102101.
13. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G -structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
14. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of G_2 -structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
15. A. Payne, *Closed G_2 -Structures with Negative Ricci Curvature*, arXiv:2310.19553.
16. Pacini, T., Raffero, A. *Variation formulae for the volume of coassociative submanifolds*, Ann Glob Anal Geom 65, 24 (2024). <https://doi.org/10.1007/s10455-024-09955-y>.

- "Extremals for the Sobolev inequality on the seven dimensional quaternionic Heisenberg group and the quaternionic contact Yamabe problem (with I. Minchev and D. Vassilev), Journal Eur. Math. Soc., 12 (2010), pp. 1041-1067.

цитирания - 2.

1. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex cocompact subgroups of $F_4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), 200, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>
2. Qiaohua Yang, *The optimal constant in the L^2 Folland-Stein inequality on the H -type group*, J. Funct. Anal. (2023), 110209, doi: <https://doi.org/10.1016/j.jfa.2023.110209>.

- "Conformal quaternionic contact curvature and the local sphere theorem"(with Dimiter Vassilev), Journal de Mathe'matiques Pures et Applique'es, 93 (2010), pp. 277-307.

цитирания - 7.

1. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
2. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.

3. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
 4. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, AUTHOR'S SUMMARY OF A DISSERTATION THESIS an application for a "doctor of science" degree in mathematics, Sofia University "St. Kliment Ohridski" 2019.
<https://portal.uni-sofia.bg/index.php/bul/content/download/232406/1547153/version/1/file/>
 5. Yoshinobu Kamishima, *Quaternionic contact $4n+3$ -manifolds and their $4n$ -quotients*, March 2021, Annals of Global Analysis and Geometry, 59 (2021), no. 4, 435-455. DOI: 10.1007/s10455-021-09758-5.
 6. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796.
 7. Oliver Baues, Yoshinobu Kamishima, *On the automorphism group of parabolic structures and closed aspherical manifolds*, arXiv:2309.13569.
- **"Conformal Paracontact curvature and the local flatness theorem (with D. Vassilev and S. Zamkovoy), Geom. Dedicata 144 (2010), 79-100.**
цитирания - 19.
1. D.G. Prakasha, L. M. Fernandez, K. Mirji, *The M -projective curvature tensor field on generalized κ, μ -paracontact metric manifolds*, Georgian Mathematical Journal, 27 (2020), no. 1, 141-147.
 2. D. G. Prakasha, Pundikala Veeresha, *Para-Sasakian manifolds and $*$ -Ricci solitons*, Afr. Mat. 30 (2019), no. 7-8, 989-998.
 3. Mircea Crasmareanu, *General adapted linear connections in almost paracontact and contact geometries*, Balkan J. Geom. Appl. 25 (2020), no. 2, 12-29.
 4. M.S. Siddesha, C.S. Bagewadi, D. Nirmala, *Totally umbilical proper slant submanifolds of para-Kenmotsu manifold*, August 2019 CUBO 21(2):41-49, DOI: 10.4067/S0719-06462019000200041
 5. Dhriti Sundar Patra, *Ricci Solitons and Paracontact Geometry*, Mediterr. J. Math. (2019) 16: 137. <https://doi.org/10.1007/s00009-019-1419-6>.
 6. C. S Lopez-Monsalvo, F. Nettel, V. Pineda-Reyes, L. F. Escamilla-Herrera, *Symplectic Polarizations and Legendre Transformations in Contact Geometric Thermodynamics*, arXiv:2006.12754.
 7. K K Mirji, Prakasha D. G., *The Conharmonic Curvature Tensor on $N(k)$ -Paracontact Metric Manifold*, Konuralp Journal of Mathematics, 8 (2) (2020) 287-293.
 8. Cesar S Lopez-Monsalvo, Francisco Nettel, Viridiana Pineda-Reyes, Lenin Francisco Escamilla, *Contact polarizations and associated metrics in geometric thermodynamics*, January 2021, Journal of Physics A Mathematical and Theoretical, DOI: 10.1088/1751-8121/abddeb.
 9. Dehe Li, Jiabin Yin, *Paracontact Metric (κ, μ) -Manifold Satisfying the Miao-Tam Equation*, Advances in Mathematical Physics, vol. 2021, Article ID 6687223, 5 pages, 2021. <https://doi.org/10.1155/2021/6687223>
 10. Rajendra Prasad, Abdul Haseeb, Shweta Singh, *Quasi bi-slant submanifolds of para-Kenmotsu manifolds*, Balkan Journal of Geometry and Its Applications, Vol.26, No.2, 2021, pp. 100-111.
 11. Nihar Sarkar Kanak, Kanti Baishya, Adara M. Blaga, *Para-Kenmotsu manifolds admitting semi-symmetric structures*, December 2021 Acta universitatis sapientiae. Mathematica 13(2):468-482; DOI: 10.2478/ausm-2021-0029.
 12. D. G. Prakasha, M. R. Amruthalakshmi and P. Veeresha, *Static perfect fluid space-time and paracontact metric geometry*, International Journal of Geometric Methods in Modern Physics Vol. 19, No. 04, 2250052 (2022), <https://doi.org/10.1142/S0219887822500529>.
 13. Perrone, D. , *Pseudo-Hyperbolic Spaces and 3D Lie Groups in Paracontact Geometry*, Mediterr. J. Math. 19, 100 (2022). <https://doi.org/10.1007/s00009-022-02016-3>.
 14. H. Manev, **Natural connections on Riemannian P-manifolds** (in bulgarian), Plovdiv 2022
 15. Rajendra Prasad, Abdul Haseeb, Shweta Singh, *Quasi bi-slant submanifolds of para-Kenmotsu manifolds*, September 2022 Balkan Journal of Geometry and Its Applications 26 (2021):100-111.
 16. Pakize UYGUN, *(κ, μ) -Paracontact Manifolds and Their Curvature Classification*, Cumhuriyet Science Journal, Year 2022, Volume 43, Issue 3, 460 - 467, <https://doi.org/10.17776/csj.1108962>.
<http://csj.cumhuriyet.edu.tr/en/download/article-file/2396821>

17. Santu Dey, *Certain results of κ -almost gradient Ricci-Bourguignon soliton on pseudo-Riemannian manifolds*, Journal of Geometry and Physics, Available online 9 December 2022, 104725; <https://doi.org/10.1016/j.geomphys.2022.104725>.
 18. Santu Dey, *Conformal Ricci soliton and almost conformal Ricci soliton in paracontact geometry*, International Journal of Geometric Methods in Modern Physics, Vol. 20, No. 03, 2350041 (2023). <https://doi.org/10.1142/S021988782350041X>.
 19. H. Aruna Kumara, V. Venkatesha, Gh. Fasihi-Ramandi, and Devaraja Mallesha Naik, *Geometry of paracontact metric as an almost Yamabe solitons*, International Journal of Geometric Methods in Modern Physics Vol. 20, No. 05, 2350090 (2023), <https://doi.org/10.1142/S0219887823500901>.
- "Non-Kaehler Heterotic String Compactifications with non-zero fluxes and constant dilaton (with Marisa FernándeZ, Luis Ugarte and Raquel Villacampa), *Comm. Math. Phys.* **288** (2009), 677-697.
- цитирования - 32.*
1. Mario Garcia-Fernandez, *Ricci flow, Killing spinors, and T-duality in generalized geometry*, Advances in Mathematics Volume 350, 9 July 2019, Pages 1059-1108, <https://doi.org/10.1016/j.aim.2019.04.038>.
 2. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *The Anomaly flow on unimodular Lie groups*, Advances in complex geometry, 217-237, Contemp. Math., 735, Amer. Math. Soc., Providence, RI, 2019.
 3. Teng Fei, Zhijie Huang, Sebastien Picard, *The Anomaly flow over Riemann surfaces*, International Mathematics Research Notices, Volume 2021, Issue 3, February 2021, Pages 2134-2165, <https://doi.org/10.1093/imrn/rnz076>
 4. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *A flow of conformally balanced metrics with Kahler fixed points*, Mathematische Annalen 374 (2019), no. 3-4, 2005-2040. DOI: 10.1007/s00208-019-01844-1
 5. Magdalena Larfors, Andre Lukas, Fabian Ruehle, *Calabi-Yau Manifolds and SU(3) Structure*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)171
 6. Teng Fei, *Generalized Calabi-Gray Geometry and Heterotic Superstrings*, Proceedings of the International Consortium of Chinese Mathematicians 2017, 261-281, International Press, Boston, MA, [2020].
 7. Mario Garcia-Fernandez, *T-dual solutions of the Hull-Strominger system on non-Kähler threefolds*, June 2019, Journal für die reine und angewandte Mathematik (Crelles Journal), DOI: 10.1515/crelle-2019-0013.
 8. Slawomir Dinew, *Lectures on pluripotential theory on compact hermitian manifolds*, in the book **Complex non-Kähler Geometry**, Lecture Notes in Mathematics, vol. 2246, 2019, DOI: 10.1007/978-3-030-25883-2_1, <http://php.math.unifi.it/users/cime/Courses/2018/03/201831-Notes.pdf>
 9. Anna Fino, Gueo Grantcharov, Luigi Vezzoni, *Solutions to the Hull-Strominger system with torus symmetry*, October 2021, Communications in Mathematical Physics, DOI: 10.1007/s00220-021-04223-7.
 10. Duong H. Phong, *Geometric Partial Differential Equations from Unified String Theories*, International Press, Boston, MA, 2020, 67-87.
 11. S. Picard, *Calabi-Yau Manifolds with Torsion and Geometric Flows*, Lectures 2019, Harvard University, <http://www.math.harvard.edu/~spicard/cetraro.pdf>, in the book **Complex non-Kähler Geometry**, Lecture Notes in Mathematics, vol. 2246, 2019, DOI: 10.1007/978-3-030-25883-2_2
 12. Roberto Sisca, *Heterotic vacua and their universal geometry*, Thesis submitted to the University of Surrey for the degree of Doctor of Philosophy, 2019, Department of Mathematics University of Surrey, Guildford GU2 7XH, United Kingdom, http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf.
 13. Jun Wang, Xiaokui Yang, *Curvatures of real connections on Hermitian manifolds*, arXiv:1912.12024.
 14. Maria Anna Sisak, *Heterotic Courant algebroids and T-duality*, Master Thesis 2019, Korteweg-de Vries Institute for Mathematics, University of Amsterdam, https://www.staff.science.uu.nl/~caval101/homepage/Students_files/SisakMaster.pdf
 15. Teng Fei, Zhijie Huang, Sebastien Picard, *A Construction of Infinitely Many Solutions to the Strominger System*, J. Differential Geom. Volume 117, Number 1 (2021), 23-39.
 16. Tristan C. Collins, Sebastien Picard, **Shing-Tung Yau**, *Stability of the tangent bundle through conifold transitions*, **Comm. Pure Appl. Math.** 77 (2024), no.1, 284-371.
 17. Mattia Pujia, *The Hull-Strominger system and the Anomaly flow on a class of solvmanifolds*, Journal of Geometry and Physics 170 (2021), Paper No. 104352, 15 pp. DOI: 10.1016/j.geomphys.2021.104352.

18. Takanao Tsuyuki, *Minkowski spacetime and non-Ricci-flat compactification in heterotic supergravity*, Phys. Rev. D **104** - 066009, September 2021, DOI: 10.1103/PhysRevD.104.066009.
 19. **Tristan C. Collins, Sergei Gukov, Sebastien Picard, Shing-Tung Yau**, *Special Lagrangian cycles and Calabi-Yau transitions*, Commun. Math. Phys. (2023). <https://doi.org/10.1007/s00220-023-04655-3>.
 20. **Mario Garcia-Fernandez, Roberto Rubio, Carlos Shahbazi, Carl Tipler**, *Canonical metrics on holomorphic Courant algebroids*, Proceedings of the London Mathematical Society, First published: 21 July 2022, DOI: 10.1112/plms.12468
 21. **Tristan C. Collins, Sebastien Picard, Shing-Tung Yau**, *The Strominger system in the square of a Kähler class*, arXiv:211.03784.
 22. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 23. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
 24. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
 25. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, arXiv:2303.05274.
 26. **Duong H. Phong**, *Geometric flows from unified string theories*, **Contribution to Surveys in Differential Geometry, Vol. 27 (2022)**, "Forty Years of Ricci flow edited by H.D. Cao, R. Hamilton, and S.T. Yau, arXiv:2304.02533.
 27. Luis Alvarez-Consul, Andoni De Arriba de La Hera, Mario Garcia-Fernandez, *Vertex algebras from the Hull-Strominger system*, arXiv:2305.06836.
 28. Andrei Moroianu, Angel J. Murcia, C. S. Shahbazi, *The Heterotic-Ricci flow and its three-dimensional solitons*, March 2024, Journal of Geometric Analysis 34(5) DOI: 10.1007/s12220-024-01570-4.
 29. Andoni De Arriba De La Hera, *Supersymmetric Vertex Algebras and Killing Spinors*, Tesis Doctoral, Universidad Complutense de Madrid Facultad de Ciencias Matematicas, 2022.
 30. Sebastien Picard, Pei-Lin Wu, *Balanced and Aeppli Parameters for the Heterotic Moduli*, arXiv:2401.05331.
 31. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
 32. Peilin Wu, *Towards the Construction of the Heterotic Moduli*, A thesis submitted in partial fulfillment for the degree of Master of science in The Faculty of Graduate and Postdoctoral Studies (Mathematics) The University of British Columbia (Vancouver) April 2024.
file:///C:/Users/user/Downloads/ubc_2024_may_wu_peilin.pdf
- **"Compact supersymmetric solutions of the heterotic equations of motion in dimensions 7 and 8 (with Marisa FernándeZ, Luis Ugarte and Raquel Villacampa)**, *Advances in Theoretical and Mathematical Physics*, vol. 15 (2011), 245-284.
- цитирования - 13.*
1. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
 2. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the G2-Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
 3. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed G2-structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
 4. **Jason D. Lotay, Henrique N. Sa Earp**, *The heterotic G2 system on contact Calabi-Yau 7-manifolds*, Trans. Amer. Math. Soc. Ser. B **10** (2023), 907-943
 5. **Xenia de la Ossa, Magdalena Larfors, Matthew Magill**, *Almost contact structures on manifolds with a G2 structure*, Adv. Theor. Math. Phys. **26** (2022), no. 1, 143-215.
 6. Achilleas Passias, Daniel Prins, *On supersymmetric AdS3 solutions of Type II*, August 2021, Journal of High Energy Physics 2021(8) DOI: 10.1007/JHEP08(2021)168.
 7. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G2 system*, arXiv:2111.13221.

8. Magill, M., *Aspects of vacuum moduli in string theory*, 2022 Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology 2118. 87 pp. Uppsala: Acta Universitatis Upsaliensis. ISBN 978-91-513-1411-2, Dissertation presented at Uppsala University for the degree of Doctor of Philosophy (2022).
 9. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 10. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
 11. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
 12. Mateo Galdeano, Leander Stecker, *The heterotic G2 system with reducible characteristic holonomy*, arXiv:2403.00084.
 13. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G2-instantons*, arXiv:2404.12937.
- **"Quaternionic contact manifolds with a closed fundamental 4-form (with Dimiter Vassilev), Bull. London Math. Soc. 42 (2010), 1021-1030.**
цитирования - 2.
 1. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
 2. Yoshinobu Kamishima, *Quaternionic contact $4n+3$ -manifolds and their $4n$ -quotients*, March 2021, Annals of Global Analysis and Geometry, 59 (2021), no. 4, 435-455. DOI: 10.1007/s10455-021-09758-5.
 - **"Compact supersymmetric solutions of the heterotic equations of motion in dimension 5 (with Marisa Ferna'ndez, Luis Ugarteand Raquel Villacampa), Nuclear Physics B 820 (2009), 483-502.**
цитирования - 2.
 1. Daniele Farotti, *Heterotic de-Sitter Solutions* DOI: 10.48550/arXiv.2206.05190.
 2. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 - **"Heterotic supersymmetry, anomaly cancellation and equations of motion Phys. Lett. B, 685 (2010), 190-196.**
цитирования - 36.
 1. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
 2. Mario Garcia-Fernandez, *Ricci flow, Killing spinors, and T-duality in generalized geometry*, Advances in Mathematics Volume 350, 9 July 2019, Pages 1059-1108, <https://doi.org/10.1016/j.aim.2019.04.038>.
 3. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in (1,0) non-linear σ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
 4. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *The Anomaly flow on unimodular Lie groups*, Advances in complex geometry, 217-237, Contemp. Math., 735, Amer. Math. Soc., Providence, RI, 2019.
 5. Mario Garcia-Fernandez, *T-dual solutions of the Hull-Strominger system on non-Kähler threefolds*, June 2019, Journal für die reine und angewandte Mathematik (Crelles Journal), DOI: 10.1515/crelle-2019-0013.
 6. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
 7. Roberto Sisca, *Heterotic vacua and their universal geometry*, Thesis submitted to the University of Surrey for the degree of Doctor of Philosophy, 2019, Department of Mathematics University of Surrey, Guildford GU2 7XH, United Kingdom, http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf.
 8. Anthony Ashmore, Charles Strickland-Constable, David Tennyson, Daniel Waldram, *Heterotic backgrounds via generalised geometry: moment maps and moduli*, J. High Energ. Phys. 2020, 71 (2020). [https://doi.org/10.1007/JHEP11\(2020\)071](https://doi.org/10.1007/JHEP11(2020)071)

9. Maria Anna Sisak, *Heterotic Courant algebroids and T-duality*, Master Thesis 2019, Korteweg-de Vries Institute for Mathematics, University of Amsterdam, https://www.staff.science.uu.nl/caval101/homepage/Students_files/SisakMaster.pdf
10. Mattia Pujia, Luis Ugarte, *The Anomaly flow on nilmanifolds*, June 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09781-6.
11. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the G2-Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
12. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed G2-structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
13. Bobby Samir Acharya, Alex Kinsella, Eirik Eik Svanes, *T3-Invariant Heterotic Hull-Strominger Solutions*, High Energ. Phys. 2021, 197 (2021) (JHEP), [https://doi.org/10.1007/JHEP01\(2021\)197](https://doi.org/10.1007/JHEP01(2021)197)
14. Jock McOrist and Roberto Sisca, *Small Gauge Transformations and Universal Geometry in Heterotic Theories*, SIGMA 16 (2020), 126, 48 pages, <https://doi.org/10.3842/SIGMA.2020.126>.
15. **Jason D. Lotay, Henrique N. Sa Earp, *The heterotic G2 system on contact Calabi-Yau 7-manifolds*, Trans. Amer. Math. Soc. Ser. B 10 (2023), 907-943.**
16. Andrei Moroianu, Angel Murcia, C. S. Shahbazi, *Heterotic solitons on four-manifolds*, New York J. Math. 28 (2022), 1463-1497.
17. Mattia Pujia, *The Hull-Strominger system and the Anomaly flow on a class of solvmanifolds*, Journal of Geometry and Physics 170(2021), Paper No. 104352, 15 pp. DOI: 10.1016/j.geomphys.2021.104352.
18. David Tennyson, *An Investigation into Supersymmetric Flux Backgrounds and their Moduli via Generalised Geometry*, November 26, 2020, Thesis, Submitted in part fulfilment of the requirements for the degree of Doctor of Philosophy in Physics of Imperial College London. <https://inspirehep.net/files/24b88137a7f0fa451cd0531a93ce2286>
19. Alex Kinsella, *M-Theory and Heterotic String Theory on Special Holonomy Fibrations*, A dissertation submitted for the degree Doctor of Philosophy in Physics, University of California Santa Barbara, 2021, <https://escholarship.org/uc/item/556873v9>
20. Jock McOrist, Eirik Eik Svanes, *Heterotic Quantum Cohomology*, November 2022. Journal of High Energy Physics 2022(11) DOI: 10.1007/JHEP11(2022)096.
21. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G2 system*, arXiv:2111.13221.
22. Milos Z. Petrovic, Nenad Vesic, Milan Lj. Zlatanovic, *Curvature properties of metric and semi-symmetric linear connections*, September 2021 Quaestiones Mathematicae DOI: 10.2989/16073606.2021.1966682.
23. **Tristan C. Collins, Sebastien Picard, Shing-Tung Yau, *The Strominger system in the square of a Kaehler class*, arXiv:2011.03784.**
24. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
25. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
26. Dan Israel, Yann Proto, *A Worldsheet Approach to N=1 Heterotic Flux Backgrounds*, Jun 2023 Journal of High Energy Physics 2023 (6) DOI: 10.1007/JHEP06(2023)175.
27. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
28. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, arXiv:2303.05274.
29. **Duong H. Phong, *Geometric flows from unified string theories*, Contribution to Surveys in Differential Geometry, Vol. 27 (2022), "Forty Years of Ricci flow edited by H.D. Cao, R. Hamilton, and S.T. Yau, arXiv:2304.02533**
30. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
31. A. Otal, L. Ugarte, *Six dimensional homogeneous spaces with holomorphically trivial canonical bundle*, Journal of Geometry and Physics, 2023, DOI: 10.1016/j.geomphys.2023.105014.

32. Anna Fino, Lucia Martin-Merchan, Alberto Raffero, *The twisted G_2 equation for strong G_2 -structures with torsion*, to appear in Pure and Applied Mathematics Quarterly.
 33. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
 34. Milan Lj. Zlatanovic, Milos Z. Petrovic, Miroslav Maksimovic, *Curvature properties of projective semi-symmetric linear connections*, Miskolc Mathematical Notes 24 (2023) (3):1615-1635, DOI: 10.18514/MMN.2023.4225.
 35. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
 36. Mateo Galdeano, Leander Stecker, *The heterotic G_2 system with reducible characteristic holonomy*, arXiv:2403.00084.
- **"Quaternionic Kaehler and Spin(7) metrics arising from quaternionic contact Einstein structures (with Luis C. de Andres, Marisa Fernandez, Jose A. Santisteban, Luis Ugarte and Dimiter Vassilev), and arXiv:0903.1398, Annali di matematica Pura ed Applicata, Volume 193, Issue 1 (2014), Page 261-290;**
цитирования - 2.
 1. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
 2. Udhav Fowdar, *Einstein metrics on bundles over hyperKähler manifolds*, Commun. Math. Phys. (2023). <https://doi.org/10.1007/s00220-023-04809-3>
 - **"The optimal constant in the L^2 Folland-Stein inequality on the quaternionic Heisenberg group (with Ivan Minchev and Dimiter Vassilev), Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XI (2012), 635-652;**
цитирования - 4
 1. Loiudice, A., *Optimal decay of p -Sobolev extremals on Carnot groups* Journal of Mathematical Analysis and Applications, (2019) 470(1), 619-631. doi:10.1016/j.jmaa.2018.10.027
 2. Annunziata Loiudice, *A multiplicity result for a nonhomogeneous subelliptic problem with Sobolev exponent*, November 2020 DOI: 10.1007/978-3-030-58215-9_4, In book: Advances in Harmonic Analysis and Partial Differential Equations
 3. Annunziata Loiudice, *Critical problems with Hardy potential on Stratified Lie Groups*, Adv. Differential Equations 28(1/2): 1-33 (January/February 2023). DOI: 10.57262/ade028-0102-1
 4. Qiaohua Yang, *The optimal constant in the L^2 Folland-Stein inequality on the H -type group*, J. Funct. Anal. (2023), 110209, doi: <https://doi.org/10.1016/j.jfa.2023.110209>.
 - **"HKT manifolds with holonomy $SL(n, \mathbb{H})$ (with Alexander Petkov), Int. Math. Res. Notices IMRN 2012, no. 16, 3779-3799.**
цитирования - 9.
 1. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni, *A parabolic approach to the Calabi-Yau problem in HKT geometry*, Math. Z. (2022). <https://doi.org/10.1007/s00209-022-03072-x>.
 2. Gentili, G., Zhang, J. *Fully Non-linear Elliptic Equations on Compact Manifolds with a Flat Hyperkaehler Metric*, J Geom Anal 32, 229 (2022). <https://doi.org/10.1007/s12220-022-00964-6>.
 3. Adrian Andrada, Maria Laura Barberis, *Hypercomplex almost abelian solvmanifolds*, The Journal of Geometric Analysis volume 33, Article number: 213 (2023).
 4. Giovanni Gentili, Luigi Vezzoni, *A remark on the quaternionic Monge-Ampère equation on foliated manifolds*, October 2021, Proceedings of the American Mathematical Society. DOI: 10.1090/proc/16121
 5. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni, *The parabolic quaternionic Calabi-Yau equation on hyperKähler manifolds*, arXiv:2303.02689.
 6. Adrian Andrada, Alejandro Tolcachier, *On the canonical bundle of complex solvmanifolds and applications to hypercomplex geometry*, arXiv:2307.16673.
 7. Zhang Jiaogen, *L^∞ estimate for a complex Monge-Ampère type equation from hypercomplex geometry*, arXiv:2310.12597.

8. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
 9. Adrian Andrada, Maria Laura Barberis, *Applications of the quaternionic Jordan form to hypercomplex geometry*, arXiv:2405.18656.
- **"The sharp lower bound of the first eigenvalue of the sub-Laplacian on a quaternionic contact manifold (with Alexander Petkov, Dimiter Vassilev), J. Geom. Analysis, 24 (2014), no. 2, 595-612.**
цитування - 3
1. Stine Marie Berge, Erlend Grong, *A Lichnerowicz estimate for the spectral gap of a sub-Laplacian*, Proc. Amer. Math. Soc. 147 (2019), no. 12, 5153-5166. arXiv:1708.05835.
 2. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
 3. Paul-Andi Nagy, Uwe Semmelmann, **Eigenvalue estimates for 3-Sasaki structures**, July 2023, Journal für die reine und angewandte Mathematik (Crelle) , DOI: 10.1515/crelle-2023-0044.
- **"Vanishing theorems on $(l|k)$ -strong Kaehler manifolds with torsion (with George Papadopoulos), Adv. Math. 237 (2013), 147-164.**
цитування - 15.
1. Marco Freibert, Andrew Swann, *The shear construction*, Geometriae Dedicata 198, 71-101 (2019). <https://doi.org/10.1007/s10711-018-0330-9>.
 2. Mario Garcia-Fernandez, Roberto Rubio, Carlos Shahbazi, Carl Tipler, *Canonical metrics on holomorphic Courant algebroids*, Proceedings of the London Mathematical Society, First published: 21 July 2022, DOI: 10.1112/plms.12468.
 3. Jixiang Fu, Xianchao Zhou, *Scalar curvatures in almost Hermitian geometry and some applications*, May 2022, Science China Mathematics (2022), DOI: 10.1007/s11425-021-1943-8.
 4. Haojie Chen, Lingling Chen, Xiaolan Nie, *Chern-Ricci curvatures, holomorphic sectional curvature and Hermitian metrics*, Science China Mathematics, Volume 64, Issue 4: 763 (2021) | Articles. DOI: 10.1007/s11425-019-9566-y.
 5. Liviu Ornea, Alexandra Otiman, Miron Stanciu, *Compatibility between non-Kähler structures on complex (nil)manifolds*, Transformation Group 2022, DOI: 10.1007/s00031-022-09729-5.
 6. Mattia Pujia, Luis Ugarte, *The Anomaly flow on nilmanifolds*, June 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09781-6.
 7. Slawomir Dinew, Dan Popovici, *A Generalised Volume Invariant for Aepli Cohomology Classes of Hermitian-Symplectic Metrics*, December 2021, Advances in Mathematics 393(1):108056, DOI: 10.1016/j.aim.2021.108056.
 8. Masaya Kawamura, *On the conformally balanced condition on almost Hermitian manifolds and the quasi-Kählerity*, August 2021, Journal of Geometry 112(2), DOI: 10.1007/s00022-021-00582-7
 9. Mario Garcia-Fernandez, Joshua Jordan, Jeffrey Streets, *Non-Kähler Calabi-Yau geometry and pluriclosed flow*, J. Math. Pures Appl. (9) 177 (2023), 329-367, DOI: 10.1016/j.matpur.2023.07.002,
 10. Masaya Kawamura, *On the conformally k-th Gauduchon condition and the conformally semi-Kähler condition on almost complex manifolds*, CUBO, A Mathematical Journal Vol. 23, no. 02, pp. 333-341, August 2021.
 11. Latorre, A, Ugarte, L, Villacampa, R, *Frolicher spectral sequence of compact complex manifolds with special Hermitian metrics*, arXiv:2207.14669.
 12. Slawomir Dinew, Dan Popovici, *A Variational Approach to SKT and Balanced Metrics*, Journal de Mathématiques Pures et Appliquées, (2023), DOI: 10.1016/j.matpur.2023.05.008.
 13. Ionut Chiose, Rares Rasdeaconu, *Remarks on astheno-Kähler manifolds, Bott-Chern and Aepli cohomology groups*, Ann Glob Anal Geom 63, 24 (2023). <https://doi.org/10.1007/s10455-023-09903-2>.
 14. Dan Popovici, *Pluriclosed Star Split Hermitian Metrics*, Math. Z. 305, 7 (2023). <https://doi.org/10.1007/s00209-023-03344-0>.
 15. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kahler Geometry**, arXiv:2208.07188.

- "The sharp lower bound of the first eigenvalue of the sub-Laplacian on a quaternionic contact manifold in dimension seven (with Alexander Petkov and Dimiter Vassilev), *Nonlinear Analysis*, volume 93 (2013), Pages 51-61

цитирания - 2.

1. Paul-Andi Nagy, Uwe Semmelmann, *The G_2 geometry of 3-Sasaki structures*. January 2024, *Journal of Geometric Analysis* 34(2), DOI: 10.1007/s12220-023-01494-5.
2. Paul-Andi Nagy, Uwe Semmelmann, **Eigenvalue estimates for 3-Sasaki structures**, July 2023, *Journal für die reine und angewandte Mathematik (Crelle)* , DOI: 10.1515/crelle-2023-0044.

- "Non-Kaehler Heterotic String Solutions with non-zero fluxes and non-constant dilaton (with Marisa Fernandez, Luis Ugarte, Dimiter Vassilev, J. High Energy Physics 06 (2014) 073.

цитирания - 12.

1. Teng Fei, *Generalized Calabi-Gray Geometry and Heterotic Superstrings*, Proceedings of the International Consortium of Chinese Mathematicians 2017, 261–281. International Press, Boston, MA, [2020].
2. Teng Fei, Zhijie Huang, Sebastien Picard, *The Anomaly flow over Riemann surfaces*, *International Mathematics Research Notices*, Volume 2021, Issue 3, February 2021, Pages 2134-2165, <https://doi.org/10.1093/imrn/rnz076>
3. Mario Garcia-Fernandez, *T-dual solutions of the Hull-Strominger system on non-Kähler threefolds* , June 2019, *Journal für die reine und angewandte Mathematik (Crelles Journal)*, DOI: 10.1515/crelle-2019-0013.
4. Duong H. Phong, *Geometric Partial Differential Equations from Unified String Theories*, International Press, Boston, MA, 2020, 67-87.
5. S. Picard, *Calabi-Yau Manifolds with Torsion and Geometric Flows*, Lectures 2019, Harvard University, <http://www.math.harvard.edu/spicard/cetraro.pdf>, in the book **Complex non-Kähler Geometry**, *Lecture Notes in Mathematics*, vol. 2246, 2019, DOI: 10.1007/978-3-030-25883-2_2
6. Teng Fei, Zhijie Huang, Sebastien Picard, *A Construction of Infinitely Many Solutions to the Strominger System*, *J. Differential Geom.* Volume 117, Number 1 (2021), 23-39.
7. Tristan C. Collins, Sebastien Picard, **Shing-Tung Yau**, *Stability of the tangent bundle through conifold transitions*, **Comm. Pure Appl. Math.** 77 (2024), no.1, 284-371.
8. Mattia Pujia, *The Hull-Strominger system and the Anomaly flow on a class of solvmanifolds*, *Journal of Geometry and Physics* 170(2021), Paper No. 104352, 15 pp. DOI: 10.1016/j.geomphys.2021.104352.
9. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
10. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, *Communications in Mathematical Physics* (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
11. Duong H. Phong, *Geometric flows from unified string theories*, **Contribution to Surveys in Differential Geometry, Vol. 27 (2022)**, "Forty Years of Ricci flow edited by H.D. Cao, R. Hamilton, and S.T. Yau., arXiv:2304.02533.
12. Andrei Moroianu, Angel J. Murcia, C. S. Shahbazi , *The Heterotic-Ricci flow and its three-dimensional solitons*, March 2024, *Journal of Geometric Analysis* 34(5) DOI: 10.1007/s12220-024-01570-4.

- "Quaternionic contact hypersurfaces in hyper-Kähler manifolds (with Ivan Minchev, Dimiter Vassilev), *Annali di matematica Pura ed Applicata*, Volume 196 (2017) Issue 1, pp 245-267.

цитирания - 1.

1. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex cocompact subgroups of $F_4(-20)$* , *Ann. Mat. Pura Appl.*, *Annali di Matematica* (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>

- "Quaternionic contact Einstein manifolds (with Ivan Minchev and Dimiter Vassilev), *Math. Res. Lett.*, **23 (5) (2016)**, 1405-1432.

цитирания - 4.

1. Luca Rizzi, Pavel Silveira, *Sub-Riemannian Ricci curvatures and universal diameter bounds for 3-Sasakian manifolds*, *J. Inst. Math. Jussieu* 18 (2019), no. 4, 783-827.

2. Ilka Agricola, Giulia Dileo, *Generalizations of 3-Sasakian manifolds and skew torsion*, Advances in Geometry Volume 20 (2020): Issue 3 (Jul 2020), DOI: 10.1515/advgeom-2018-0036
 3. Yoshinobu Kamishima, *Quaternionic contact $4n+3$ -manifolds and their $4n$ -quotients*, March 2021, Annals of Global Analysis and Geometry, 59 (2021), no. 4, 435-455. DOI: 10.1007/s10455-021-09758-5.
 4. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796
- **"Sasaki-like almost contact complex Riemannian manifolds (with H. Manev and M. Manev), J. Geom. Physics 107 (2016) 136-148.**
цитируемая - 7.
 1. Miroslava Ivanova, Lilko Dospatliev, *Geometric characteristics and properties of a two-parametric family of Lie groups with almost contact B-metric structure of the smallest dimensional*, Stud. Univ. Babes-Bolyai Math. 64 (2019), no. 4, 593-599.
 2. Senay Bulut, *D-Homothetic deformation on almost contact B-metric manifolds*, August 2019, Journal of Geometry 110(2), DOI: 10.1007/s00022-019-0479-x.
 3. Senay Bulut, *A Quarter-symmetric Metric Connection on Almost Contact B-metric Manifolds*, Filomat 33:16 (2019), 5181-5190, <https://doi.org/10.2298/FIL1916181B>.
 4. G. Nakova, S. Zamkovoy, *Slant and Legendre null curves in 3-dimensional Sasaki-like almost contact B-metric manifolds*, April 2021 Journal of Geometry 112(1), DOI: 10.1007/s00022-021-00571-w
 5. Senay Bulut, *A semisymmetric metric connection on almost contact B-metric manifolds*, December 2021, Turkish Journal of Mathematics 45(6):2455, DOI: 10.3906/mat-2002-107.
 6. Mehmet Solgun, *On constructing almost complex Norden metric structures*, 2022 AIMS Mathematics 7(10):17942-17953, DOI: 10.3934/math.2022988.
 7. Nulifer Ozdemir, Sirin Aktay, Mehmet Solgun, *Some results on normal almost contact manifolds with B-metric*, Kraguevaz J Math. (2024)
 - **"The quaternionic Heisenberg group and Heterotic String Solutions with non-constant dilaton in dimensions 7 and 5 (with Marisa Fernandez, Luis Ugarte, Dimiter Vassilev), Comm. Math. Phys., 339 (2015), no. 1, 199-219.**
цитируемая - 7.
 1. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
 2. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the G2-Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
 3. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed G2-structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
 4. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G2 system*, arXiv:2111.13221.
 5. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 6. Mateo Galdeano, Leander Stecker, *The heterotic G2 system with reducible characteristic holonomy*, arXiv:2403.00084.
 7. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G2-instantons*, arXiv:2404.12937.
 - **Connections on non-symmetric (generalized) Riemannian manifold and gravity, (with Milan Zlatanovic), Class. Quantum Grav., Volume 33, Number 7, 075016, (2016).**
цитируемая - 9.
 1. Nenad O. Vesic, *Basic Invariants of Geometric Mappings*, Miskolc Math. Notes 21 (2020), no. 1, 473-487.
 2. Vesic, N.O. *Linear Independence of Covariant Derivatives and Space-Curvatures*, arXiv:1907.00600
 3. Nenad O. Vesic, *Cosmological Meaning of Geometric Curvatures*, January 2020, Filomat 34(12):4107-4121, DOI: 10.2298/FIL2012107V

4. Nenad Vesic, Mica S. Stankovic, *Second type almost geodesic mappings of special class and their invariants*, January 2019, Filomat 33(4):1201-1208. DOI: 10.2298/FIL1904201V
 5. Manev, H. *Para-Ricci-like Solitons with Vertical Potential on Para-Sasaki-like Riemannian P-Manifolds*. Symmetry 2021, 13(12): 2267. <https://doi.org/10.3390/sym13122267>
 6. Najdanovic, M.S., Velimirovic, L.S. & Vesic, N.O. Geodesic Infinitesimal Deformations of Generalized Riemannian Spaces. Mediterr. J. Math. 19, 145 (2022). <https://doi.org/10.1007/s00009-022-02056-9>.
 7. Miroslav Maksimovic, *Quarter-symmetric non-metric connection*, arXiv:2210.01509.
 8. M. I. Wanas, Samah Nabil, Kyrillos ElAbd and Nouran E. Abdelhamid, *New Path Equations in Einstein Non-symmetric Geometry*, preprint 2024.
 9. Milos Z. Petrovic, *On generalized almost para-Hermitian spaces*, Filomat 37:25 (2023), 8719–8724.
- **Formality of 7-dimensional 3-Sasakian manifolds, (with Marisa Fernandez and Vicente Munoz), Ann. Scuola. Norm. Super. Pisa Cl. Sci., (5) 19 (2019), no. 1, 297-309.**
цитирования - 1.
 1. Charles P. Boyer, *Contact Structures of Sasaki Type and their Associated Moduli*, Complex Manifolds 6 (2019), no. 1, 1-30.
 - **"The qc Yamabe problem on non-spherical quaternionic contact manifolds (with Alexander Petkov), Journal de Mathe'matiques Pures et Applique'es volume 118, (2018), 44-81.**
цитирования - 2
 1. Feifan Wu and Wei Wang, *On the Yamabe Problem on contact Riemannian Manifolds*, October 2019, Annals of Global Analysis and Geometry 22(2), DOI: 10.1007/s10455-019-09675-8,
 2. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex cocompact subgroups of $F_4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>
 - **"A sub-Riemannian Bonnet-Myers theorem for quaternionic contact structures (with Davide Barilari), Calculus of Variations and PDE (2019) 58: 37.** <https://doi.org/10.1007/s00526-018-1467-y>.
цитирования - 7
 1. Luca Rizzi, Pavel Silveira, *Sub-Riemannian Ricci curvatures and universal diameter bounds for 3-Sasakian manifolds*, J. Inst. Math. Jussieu 18 (2019), no. 4, 783-827.
 2. Fabrice Baudoin, Erlend Grong, Gianmarco Molino, Luca Rizzi, *H-type foliations*, December 2022, Differential Geometry and its Applications 85(1):101952; DOI: 10.1016/j.difgeo.2022.101952.
 3. Fabrice Baudoin, Erlend Grong, Gianmarco Molino, Luca Rizzi, *Comparison theorems on H-type sub-Riemannian manifolds*, arXiv:1909.03532.
 4. Erlend Grong, *Affine connections and curvature in sub-Riemannian geometry*, arXiv:2001.03817.
 5. Giorgio Stefani, *Generalized Bakry-Emery curvature condition and equivalent entropic inequalities in groups*, April 2022, Journal of Geometric Analysis 32(4) , DOI: 10.1007/s12220-021-00762-6.
 6. Abdellah Laaroussi, *Heat kernel asymptotics for quaternionic contact manifolds*, arXiv:2103.00892.
 7. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex cocompact subgroups of $F_4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>
 - **"On the Strominger system and holomorphic deformations (with Luis Ugarte), J. Geom. Anal. (2019) vol. 29, 917-935.**
цитирования - 1
 1. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a G-structure*, Wolfson College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy, Trinity 2022, DOI: 10.48550/arXiv.12.13781, arXiv:2212.13781.
 - **"Non-symmetric Riemannian gravity and Sasaki-Einstein 5-manifolds"(with Milan Zlatanovic), Classical Quantum Gravity, volume 37, number 2, 25002 (2020).**
цитирования - 2

1. Manev, H. *Para-Ricci-like Solitons with Vertical Potential on Para-Sasaki-like Riemannian P-Manifolds*. Symmetry 2021, 13(12): 2267. <https://doi.org/10.3390/sym13122267>
 2. Mancho Manev, *Curvature properties of almost Ricci-like solitons with torse-forming vertical potential on almost contact b-metric manifolds*, January 2021, Filomat 35(8):2679-2691, DOI: 10.2298/FIL2108679M
- **"Para-Sasaki-like Riemannian manifolds and new Einstein metrics (with H.Manev and M.Manev), Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas, 115 (2021), no. 3, Paper No. 112, 20 pp..**
цитирования - 4
 1. Bulut, S., Inseloz, P. *D-homothetic deformation on para-Sasaki-like Riemannian manifolds*, J. Geom. 114, 7 (2023). <https://doi.org/10.1007/s00022-023-00668-4>.
 2. Senay Bulut, Pinar Inseloz, *Para-Sasaki-like Manifolds with Generalized Symmetric Metric Connection*, arXiv:2304.00911.
 3. Senay Bulut and Vildan Korucu Akan, *Riemannian P-Structure on 5-Dimensional Nilpotent Lie Algebras*, Konuralp Journal of Mathematics, 11 (2) (2023) 206-217.
 4. Cornelia-Livia Bejan, Galia Nakova, *Codimension 2 submanifolds of paracosymplectic manifolds with normal Reeb vector field*, Jan 2023, Filomat 37(25):8693-8707. DOI: 10.2298/FIL2325693B.
 - **"The Riemannian curvature identities on Almost Complex Calabi-Yau with torsion 6-manifold and generalized Ricci solitons", with (N. Stanchev), arXiv:2307.05001.**
цитирования - 1
 1. Beatrice Brienza, Anna Fino, Gueo Grantcharov, *CYT and SKT manifolds with parallel Bismut torsion*, arXiv:2401.07800.
 - **"The Riemannian curvature identities of a G_2 connection with skew-symmetric torsion and generalized Ricci solitons", with (N.Stanchev), to appear in Ann. Mat. Pura Appl. (2024), arXiv:2307.05619.**
цитирования - 1
 1. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
 - **"The Riemannian curvature identities for the torsion connection on Spin(7)-manifold and generalized Ricci solitons", with (A. Petkov), arXiv:2307.06438.**
цитирования - 1
 1. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G_2 -instantons*, arXiv:2404.12937.
 - **"Complex product structures on some simple Lie groups (with V. Tsanov), math.DG/0405584.**
цитирования -1.
 1. Varun Thakre, *Hypersymplectic manifolds and associated geometries*, arXiv:1901.05629.