

# Публикации и Цитирания (без автоцитати)

на Стефан Иванов

**Цитирания - 2370 в 1450 работи, h-index = 27**

*g-index: (броят статии)<sup>2</sup> ≤ (броя на цитиранията им) = 45;*

**Сумарен Импакт Фактор: IF = 93.800**

31 март 2025 г.

## Съдържание

1	<i>Монографии</i>	1
2	<i>Студии (≥ 30 pages) - IF - 1.727, ( [28], [33], [45], [48], [63], [73], [81])</i>	1
3	<i>Обзорни Статии - IF - 1.125</i>	1
4	<i>Публикации - IF - 87.811</i>	2
5	<i>Стефан Иванов-Цитирания (≥ 100 цитирания [21], [25], [28], [31], [35])</i>	9

### 1 *Монографии*

1. Extremals of the Sobolev inequality and the quaternionic contact Yamabe problem, (with D. Vassilev), World Scientific Publishing Co. Pte. Ltd., Hackensack, NJ, 2011. xviii+219 pp. ISBN: 978-981-4295-70-3; 981-4295-70-1  
**цитирания - 68.**

### 2 *Студии (≥ 30 pages) - IF - 1.727, ( [28], [33], [45], [48], [63], [73], [81])*

1. "Quaternionic contact Einstein structures and quaternionic contact Yamabe problem (with I. Minchev and D. Vassilev), **Memoirs Amer. Math. Soc.** (2014), vol. 231, number 1086; vi+82 pp. ISBN: 978-0-8218-9843-7  
*IF - 1.727 цитирания - 35.*

### 3 *Обзорни Статии - IF - 1.125*

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.  
*IF - 1.125 цитирания - 11.*

#### 4 Публикации - IF - 87.811

- 0<sub>a</sub>. On dual holomorphically projectively flat affine connections. **J. Geom.** 59 (1997), no. 1-2, 67-76.  
цитирания - 2.
- 0<sub>b</sub>. The totally geodesic plane axiom on a differentiable manifold with a linear connection (with G. Ganchev), **C. R. Acad. Bulgare Sci.** 40 (1987), no. 1, 33-35.  
цитирания - 1.
1. "Curvature operator with parallel Jordanian basis on circles (with I. Petrova), **Riv. Mat. Univ. Parma** (5) 5 (1996), 23-31.  
цитирания - 2.
2. "Semi-symmetric W-metric connections and the W-conformal group"(with G. Ganchev), **God. Sofj, Univ. Fac. Mat. Inform.**, 81 (1994), 181-193.  
цитирания - 5.
3. "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).  
цитирания - 26.
4. "Holomorphically projective transformations on complex Riemannian manifold **J. Geom.**, 49 (1994), 106-116.  
цитирания - 8.
5. "On dual-projectively flat affine connections **J. Geom.** 53 (1995), no. 1-2, 89-99.  
цитирания - 37.
6. "Curvature of anti Kähler manifolds"(with G. Ganchev and V. Michova), **Riv. Mat. Univ. Parma** (5) 2 (1993), 249-256.  
цитирания - 4.
7. "Compact Hermitian surfaces of Einstein type with respect to the Hermitian connection"(with G. Ganchev) **Monatshefte Math.** 123 (1997), no. 1, 53-59.  
IF-0.326 цитирания - 1.
8. "Riemannian manifolds in which certain curvature operator has constant eigenvalues along each circle"(with I. Petrova), **Ann. Global Anal. Geom.** 15 (1997), 157-171.  
IF - 0.327, цитирания - 14.
9. "On the fundamental theorem for non-degenerate complex affine hypersurface immersions, **Monatshefte Mathematics** 123 (1997), 321-336.  
IF-0.326, цитирания - 10.
10. "Compact Hermitian surfaces of constant antiholomorphic sectional curvature"(with V. Apostolov and G. Ganchev), **Proc. Amer. Math. Soc.**, 125 (1997), 3705-3714.  
IF - 0.273, цитирания - 11.
11. "Einstein-Hermitian surfaces and Hermitian Einstein-Weyl structures in dimension 4"(with P. Gauduchon), **Math. Zeitschrift**, 226 (1997), 317-326.  
IF - 0.412, цитирания - 32.
12. "Curvature properties of twistor spaces of quaternionic Kähler manifolds"(with B. Alexandrov and G. Grantcharov), **J. Geom.**, 62 (1998), 1-12.  
цитирания - 49.
13. "Riemannian manifold in which the skew-symmetric curvature operator has pointwise constant eigenvalues"(with I. Petrova), **Geom. Dedicata**, 70 (1998), 269-282,  
IF - 0.288, цитирания - 53.

14. "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) **J. Geom. Phys.**, 28 (1998), 263-270.  
*IF* - 0.776, **цитирания** - 24.
15. "Hermitian structures on twistor spaces"(with V. Apostolov and G. Grantcharov), **Ann. Global Anal. Geom.**, 16 (1998), 291-308.  
*IF* - 0.542 **цитирания** - 12.
16. "Einstein-Weyl structures on certain compact conformal manifolds", **Quarterly J. Math. (Oxford)** (2), 50 (1999), 457-462.  
*IF* - 0.426. **цитирания** - 11.
17. "Dirac operators on Hermitian spin surfaces"(with B. Alexandrov) **Ann. Global Anal. Geom.**, 18 (2000), 529-539.  
*IF* - 0.509, **цитирания** - 5.
18. "Orthogonal complex structures on certain Riemannian 6-manifolds"(with V. Apostolov and G. Grantcharov), **Diff. Geom. Appl.**, 11 (1999) 279–296.  
*IF* - 0.258, **цитирания** - 4. .
19. "Holomorphic and Killing vector fields on compact balanced Hermitian manifolds"(with G.Ganchev), **Int. J. Math.**, 11 (2000), 15-28.  
*IF* - 0.591, **цитирания** - 5. .
20. "Harmonic and holomorphic 1-forms on compact balanced Hermitian manifold"(with G.Ganchev), **Diff. Geom. Appl.**, 14 (1) (2001), 79-93.  
*IF* - 0.375, **цитирания** - 6.
21. "Vanishing theorems on Hermitian manifolds"(with B. Alexandrov), **Diff. Geom. Appl.**, 14 (3) (2001), 251-265.  
*IF* - 0.375 **цитирания** - 108.
22. "The Dolbeault operator on Hermitian spin surfaces"(with. B. Alexandrov and G. Grantcharov), **Ann. Inst. Fourier** 51 1 (2001), 221-235.  
*IF* - 0.517, **цитирания** - 7.
23. "A no-go theorem for string warped compactification"(with G.Papadopoulos), **Phys. Lett. B** 497 (2001) 309-316.  
*IF* - 4.377 , **цитирания** - 74.
24. "Harmonic spinors of Dirac operator of connection with torsion in dimension 4"(with P.Dalakov), **Class. Quantum Grav.** 18 (2001), 253-265.  
*IF* - 1.985, **цитирания** - 9.
25. "Vanishing theorems and String Backgrounds"(with G.Papadopoulos), **Class. Quantum Grav.** 18 (2001), 1089-1110.  
*IF* - 1.985, **цитирания** - 146.
26. "Weyl structure with positive Ricci tensor"(with B. Alexandrov), **Diff. Geom. Appl.** 18 (2003), 343-350.  
*IF* - 0.389, **цитирания** - 16.
27. "Geometry of Quaternionic Kähler connections with torsion" **J. Geom. Phys.** 41 (2002), 235-257,  
*IF* - 1.178, **цитирания** - 27.
28. "Parallel spinors and connections with skew-symmetric torsion in string theory"(with Th. Friedrich), **Asian Journ. Math.** 6 (2002), 303 - 336.  
**цитирания** - 296.

29. "Almost contact manifolds, connections with torsion, and parallel spinors"(with Th. Friedrich), **J. reine angew. Math.**, 559 (2003), 217-236.  
*IF* - 0.719, **цитирания** - 37.
30. "Connection with torsion, parallel spinors and geometry of Spin(7) manifolds **Math. Res. Lett.**, 11 (2004), 171-186.  
*IF* - 0.716, **цитирания** - 90.
31. "Killing spinor equations in dimension 7 and geometry of integrable  $G_2$  manifolds"(with Th. Friedrich), **J. Geom. Phys.**, 48 (2003), 1-11.  
*IF* - 1.105, **цитирания** - 106.
32. "Quaternionic Kähler and hyperKähler manifolds with torsion and twistor spaces"(with I. Minchev), **J. reine angew. Math.**, 567 (2004), 215-233.  
*IF* - 0.885, **цитирания** - 19.
33. "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.  
**цитирания** - 64.
34. "On the geometry of closed  $G_2$ -structures"(with R. Cleyton), **Commun. Math. Phys.**, 270 (2007), 53-67.  
*IF* - 2.070, **цитирания** - 56.
35. "Para-Hermitian and Para-Quaternionic manifolds (with S. Zamkovoy), **Diff. Geom. Appl.**, 23 (2005), 205-234.  
*IF* - 0.391, **цитирания** - 128.
36. " $SU(3)$ -instantons and  $G_2, Spin(7)$  heterotic string solitons (with P. Ivanov), **Commun. Math. Phys.**, 259 (2005), 79-102.  
*IF* - 2.007, **цитирания** - 44
37. "Hyper-ParaHermitian manifolds with torsion"(with V. Tsanov and S. Zamkovoy), **J. Geom. Phys.**, 56 (2006), 670-690.  
*IF* - 0.956 **цитирания** - 12.
38. "Locally conformal parallel  $G_2$  and  $Spin(7)$  manifolds (with M. Parton and P. Piccinni), **Math. Res. Lett.**, 13 (2006), 167-177.  
*IF* - 0.664, **цитирания** - 33.
39. " $SU(3)$ -structures on submanifolds of a  $Spin(7)$ -manifold"(with Francisco Marti'n Cabrera), **Diff. Geom. Appl.**, 26 (2008), 113-132.  
*IF* - 0.533, **цитирания** - 8.
40. "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. Zurich: European Mathematical Society. IRMA Lectures in Mathematics and Theoretical Physics 16, 477-496 (2010).  
**цитирания** - 13.
41. "Nearly hypo structures and compact Nearly Kähler 6-manifolds with conical singularities (with M. Fernández, V. Muñoz and L. Ugarte), **J. London Math. Soc** 78 (2008), 580-604.  
*IF* - 0.809, **цитирания** - 44.
42. "Conformal equivalence between certain geometries in dimension 6 and 7 (with R. Cleyton), **Math. Res. Lett.** 15 (2008), 631-641.  
*IF* - 0.524, **цитирания** - 18.

43. "Curvature decomposition of  $G_2$  manifolds"(with Richard Cleyton), **J. Geom. Phys** 58 (2008), 1429-1449.  
*IF* - 0.683, **цитирания** - 28.
44. "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 of the European Mathematical Society**, 12 (2010), pp. 1041-1067.  
*IF* - 1.353, **цитирания** - 15.
45. "Conformal quaternionic contact curvature and the local sphere theorem"(with Dimiter Vassilev), **Journal de Mathématiques Pures et Appliquées**, 93 (2010), pp. 277-307.  
*IF* - 1.450, **цитирания** - 22.
46. "Conformal Paracontact curvature and the local flatness theorem (with D. Vassilev and S. Zamkovoy), **Geom. Dedicata** 144 (2010), 79-100.  
*IF* - 0.364, **цитирания** - 56.
47. "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.  
*IF* - 2.067, **цитирания** - 83.
48. "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**, 15 (2011), 245-284.  
*IF* - 0.855, **цитирания** - 28.
49. "Quaternionic contact manifolds with a closed fundamental 4-form (with Dimiter Vassilev), **Bull. London Math. Soc.** 42 (2010), 1021-1030.  
*IF* - 0.630, **цитирания** - 10.
50. "Compact supersymmetric solutions of the heterotic equations of motion in dimension 5 (with Marisa Fernández, Luis Ugarte and Raquel Villacampa), **Nuclear Physics B** 820 (2009), 483-502.  
*IF* - 4.341, **цитирания** - 7.
51. "Heterotic supersymmetry, anomaly cancellation and equations of motion **Phys. Lett. B**, 685 (2010), 190-196.  
*IF* - 5.255, **цитирания** - 91
52. "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**, 193, 1 (2014), 261-290.  
*IF* - 1.065, **цитирания** - 10.
53. "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;  
*IF* - 0.683 **цитирания** - 14.
54. "The twistor space of a quaternionic contact manifold (with Johan Davidov and Ivan Minchev), **Quart. J. Math. (Oxford)** 63 (2012), no. 4, 873-890.  
*IF* - 0.557, **цитирания** - 4.
55. "HKT manifolds with holonomy  $SL(n, \mathbb{H})$  (with Alexander Petkov), **Intern. Math. Res. Notices** IMRN 2012, no. 16, 3779-3799;  
*IF* - 1.116, **цитирания** - 17.

56. "Bianchi type A hyper-symplectic metrics and hyper-Kaehler metrics in 4d (with Luis C. de Andre's, Marisa Fernandez, Jose A. Santisteban, Luis Ugarte and Dimiter Vassilev), **Class. Quantum Grav.**, *29* (2012) 025003.  
*IF - 3.562, цитирования - 2*
57. "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.  
*IF - 0.971, цитирования - 9*
58. "Vanishing theorems on  $(l|k)$ -strong Kaehler manifolds with torsion (with George Papadopoulos), **Adv. Math.**, *237* (2013), 147-164.  
*IF - 1.353, цитирования - 30*
59. "An Obata type result for the first eigenvalue of the sub-Laplacian on a CR manifold with a divergence free torsion (with Dimiter Vassilev), **J. Geom.**, *103*, 3 (2012), 475-504.  
**цитирования - 13**
60. "An Obata-type theorem on a three-dimensional CR manifold (with Dimiter Vassilev), **Glasgow Math. J.**, *56* (2014), 283-294.  
*IF - 0.331 цитирования - 4*
61. "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**, *93* (2013), 51-61;  
*IF - 1.612 цитирования - 4.*
62. "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;  
*IF - 6.111 цитирования - 31*
63. "The Obata sphere theorems on a quaternionic contact manifold of dimension bigger than seven (with Alexander Petkov and Dimiter Vassilev), **J. Spectral Theory**, vol.7 N4 (2017), 1119-1170.  
*IF - 0.844 цитирования - 3.*
64. "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.  
*IF - 1.066 цитирования -1.*
65. "Quaternionic contact Einstein manifolds (with Ivan Minchev and Dimiter Vassilev), **Math. Research Letters** 23 (5) (2016), 1405-1432.  
*IF - 0.716 цитирования - 9.*
66. "Sasaki-like almost contact complex Riemannian manifolds (with H. Manev and M. Manev), **J. Geom. Physics**, *107* (2016) 136-148.  
*IF - 0.819 цитирования - 12.*
67. "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.  
*IF - 2.375 цитирования - 11*
68. "Connections on non-symmetric (generalized) Riemannian manifold and gravity (with Milan Zlatanovic), **Class. Quantum Grav.**, Volume 33, Number 7, 075016, (2016).  
*IF - 3.119 цитирования - 20.*
69. "Solution of the qc Yamabe equation on a 3-Sasakian manifold and the quaternionic Heisenberg group (with Ivan Minchev, Dimiter Vassilev), **Analysis & PDE** 16:3 (2023), 839-860  
<https://msp.org/apde/2023/16-3/p07.xhtml/pc>, DOI:10.2140/apde.2023..101  
*IF - 2.576 (2020)*  
**цитирования - 4.**

70. "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*  
**цитирания - 3.**
71. "A heat equation on a quaternionic contact manifold (with A. Petkov), arXiv:1608.00460.  
**цитирания - 1.**
72. "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*
73. "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. DOI: 10.1016/j.matpur.2018.06.011  
*IF - 1.961*  
**цитирания - 2.**
74. "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>.  
*IF - 1.526*  
**цитирания - 7.**
75. "On the Strominger system and holomorphic deformations (with Luis Ugarte), **The Journal of Geometric Analysis**, (2019), volume 29, 917-935. DOI 10.1007/s12220-018-0023-5 SJR(Scopus) 1.620, <https://link.springer.com/journal/12220>, ISSN 1050-6926, Q2(Wos), Q1(Scopus)  
*IF - 0.924*  
**цитирания - 2**
76. "Non-symmetric Riemannian gravity and Sasaki-Einstein 5-manifolds" (with Milan Zlatanovic), **Classical Quantum Gravity**, volume 37, number 2, 25002 (2020) <http://dx.doi.org/10.1088/1361-6382/ab5cc3>  
*IF-3.487 (2018)*  
**цитирания - 3.**
77. "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, RACSAM**, 115 (2021), no. 3, Paper No. 112, 20 pp. DOI: 10.1007/s13398-021-01053-z  
*IF- 2.276, 26/333, <10%*  
**цитирания - 5.**
78. "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.
79. "The Almost Schur Lemma in Quaternionic Contact Geometry", (with A. Petkov), **Rev. Real Acad. Cienc. Exactas Fis. Nat. Ser. A-Mat.** (2023) 117:77, <https://doi.org/10.1007/s13398-023-01403-z>  
*IF- 2.276 (2021).*  
**цитирания - 1.**
80. "The Riemannian Bianchi identities of metric connections with skew torsion and generalized Ricci solitons", with (N. Stanchev), **Results Math** 79, 270 (2024). <https://doi.org/10.1007/s00025-024-02302-4>  
**цитирания - 1**

81. "The Riemannian curvature identities on almost Calabi-Yau with torsion 6-manifold and generalized Ricci solitons", with (N. Stanchev), (2024) **Annali di Matematica Pura ed Applicata (1923 -)**, DOI:10.1007/s10231-024-01494-4.  
**цитирания - 4.**
82. "The Riemannian curvature identities of a  $G_2$  connection with skew-symmetric torsion and generalized Ricci solitons", with (N.Stanchev), arXiv:2307.05619.  
**цитирания - 2.**
83. "The Riemannian curvature identities for the torsion connection on Spin(7)-manifold and generalized Ricci solitons", with (A. Petkov), arXiv:2307.06438.  
**цитирания - 1.**
84. "Geometry of paraquaternionic contact structures", with (Marina Tchomakova and Simeon Zamkovoy), arXiv:2404.16713.
85. "Conformal para quaternionic contact curvature and the local flatness theorem", with (Marina Tchomakova and Simeon Zamkovoy), **Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas**, 119 (1) (2024), DOI: 10.1007/s13398-024-01688-8
86. "Li-Yau sub-gradient estimates and Perelman-type entropy formulas for the heat equation in quaternionic contact geometry", with (A. Petkov), arXiv:2405.14845.
87. "Twistor and Reflector spaces for paraquaternionic contact manifolds (with I. Minchev and M. Tchomakova), **Mathematics** 2024, 12, 3355. <https://doi.org/10.3390/math12213355>
- 
88. "Conformally flat Einstein-like 4-manifolds and conformally flat Riemannian 4-manifolds all of whose Jacobi operators have parallel eigenspaces along every geodesic (with I. Petrova), arXiv preprint dg-ga/9702019  
**цитирания - 4.**
89. "Complex product structures on some simple Lie groups (with V. Tsanov), math.DG/0405584.  
**цитирания - 5.**
90. "Supersymmetric strings and special (SU(3),  $G_2$ , Spin(7))-holonomy geometries XIV Fall Workshop on Geometry and Physics, 108–126, **Publ. R. Soc. Mat. Esp.**, 10, R. Soc. Mat. Esp., Madrid, 2006.
91. "Locally conformal flat Riemannian manifolds with constant principal Ricci curvatures and locally conformal flat C-spaces" (with I.Petrova) , arXiv:dg-ga/9702009v1  
**цитирания - 1.**



## 5 Стефан Иванов-Цитирания ( $\geq 100$ цитирания [21], [25], [28], [31], [35])

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

*цитирания* - 68

1. Diego Conti, Marisa Ferna'ndez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Lie groups*, Forum Math. 26 (2014), no. 2, 547-576.
2. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
3. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
4. Rupert L. Frank, Maria del Mar González, Dario D. Monticelli, Jिंगgang Tan, *An extension problem for the CR fractional Laplacian*, Adv. Math. **270** (2015), 97-137.
5. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
6. Michael Christ, Heping Liu, An Zhang, *Sharp Hardy-Littlewood-Sobolev Inequalities on Quaternionic Heisenberg Groups*, Nonlinear Analysis: Theory, Methods & Applications, Volume 130, January 2016, Pages 361-395.
7. Feifan Wu and Wei Wang, *The Bochner-Type Formula and The First Eigenvalue of the sub-Laplacian on a Contact Riemannian Manifold*, Differential Geom. Appl. **37** (2014), 66-88.
8. 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
9. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of  $Sp(n+1, 1)$* , Ann. Global Analysis Geom. (2016), pp 1-37, First online: 11 January 2016.
10. Bumsik Kim, *Functional inequalities and the curvature dimension inequality on totally geodesic foliations*, (2015). Open Access Dissertations . 487. [http://docs.lib.purdue.edu/open\\_access\\_dissertations/487](http://docs.lib.purdue.edu/open_access_dissertations/487)
11. Yun Shi & Wei Wang, *The Szego kernel for k-CF functions on the quaternionic Heisenberg group*, Applicable Analysis Vol. 96 , Iss. 14, 2017, 2474-2492.
12. Giuseppe Pipoli, *Inverse mean curvature flow in quaternionic hyperbolic space*, Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. 29 (2018), no. 1, 153-171. DOI: 10.4171/RLM/798
13. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) Appl. Math. J. Chinese Univ. Ser. A 31 (2016), no. 1, 90 - 100.
14. Giuseppe Pipoli, *A survey on Inverse mean curvature flow in ROSSes*, Complex Manifolds 2017; 4: 245-262, <https://doi.org/10.1515/coma-2017-0016>.
15. S. Bordoni, P. Pucci, *Schrodinger-Hardy systems involving two Laplacian operators in the Heisenberg group*, Bull. Sci. math. 146 (2018), 50-88, <https://doi.org/10.1016/j.bulsci.2018.03.001>
16. 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>.
17. Xiaomin Xue, Fushan Li, *The refinement and generalization of Hardy's inequality in Sobolev space*, Journal of Inequalities and Applications 2018(1), DOI: 10.1186/s13660-018-1922-5
18. 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.
19. 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
20. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
21. Molica Bisci, G., Pucci, P., *Critical dirichlet problems on H domains of Carnot groups*, 2018 Electronic Journal of Differential Equations 2018(25), pp. 179-196.

22. 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
23. Fabrice Baudoin, Erlend Grong, Gianmarco Molino, Luca Rizzi, *Comparison theorems on H-type sub-Riemannian manifolds*, Calc. Var. Partial Differential Equations, to appear (2025)
24. 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.
25. 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
26. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
27. 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
28. 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>
29. Zunwei Fu, Ruming Gong, Elodie Pozzi, Qingyan Wu, *Cauchy-Szegő commutator on weighted Morrey space*, March 2023, Mathematische Nachrichten DOI: 10.1002/mana.202000139
30. 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>.
31. 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>
32. 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>
33. 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>
34. 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
35. Yadong Zheng, *Liouville theorems to system of elliptic differential inequalities on the Heisenberg group*, arXiv:2106.01724.
36. 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.
37. 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.
38. 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).
39. Zeyi Liu. Deli Zhang. *A new Kirchhoff-Schrödinger-Poisson type system on the Heisenberg group*, Differential Integral Equations (2021) 34 (11/12) 621-639.
40. 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>.
41. 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.
42. 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.

43. 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.
44. 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.
45. Sun, X., Song, Y. *Least-energy nodal solutions of critical Schrödinger-Poisson system on the Heisenberg group*,. *Anal.Math.Phys.* 12, 80 (2022). <https://doi.org/10.1007/s13324-022-00658-w>
46. 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>
47. 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>
48. 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>
49. 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.
50. 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
51. Xueqi Sun, Shujie Bai, Yueqiang Song, *On the noncooperative Schrödinger-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
52. 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>.
53. 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.
54. 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.
55. 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>.
56. 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.
57. 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.
58. 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>.
59. 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.
60. Giampiero Palatucci, Mirco Piccinini, Letizia Temperini, *Struwe's Global Compactness and energy approximation of the critical Sobolev embedding in the Heisenberg group*, November 2024, *Advances in Calculus of Variations*, DOI: 10.1515/acv-2024-0044
61. 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.
62. Pucci, P. (2024), *Recent Existence Results for Some Critical Subelliptic Problems* In: Chatzakou, M., Restrepo, J., Ruzhansky, M., Torebek, B., Van Bockstal, K. (eds) *Modern Problems in PDEs and Applications*. MWCAPDE 2023. *Trends in Mathematics*(), vol 4. Birkhauser, Cham. p. 95-103 [https://doi.org/10.1007/978-3-031-56732-2\\_9](https://doi.org/10.1007/978-3-031-56732-2_9).
63. Shuhai Zhu, *Doubly critical problems involving Sub-Laplace operator on Carnot group*, *Electronic Research Archive* 2024, Volume 32, Issue 8: 4969-4990. doi: 10.3934/era.2024229.

64. Sihua Liang, Patrizia Pucci, Yueqiang Song, Xueqi Sun, *On a critical Choquard-Kirchhoff  $p$ -sub-Laplacian equation in  $H^n$* , August 2024, Analysis and Geometry in Metric Spaces 12(1) DOI: 10.1515/agms-2024-0006.
65. Lakhdari, A. Existence and regularity result for a Heisenberg  $\varphi$ -laplacian problem without space reflexivity. Rend. Circ. Mat. Palermo, II. Ser (2024). <https://doi.org/10.1007/s12215-024-01147-8>.
66. GIAMPIERO PALATUCCI AND MIRCO PICCININI, *ASYMPTOTIC APPROACH TO SINGULAR SOLUTIONS FOR THE CR YAMABE EQUATION*, preprint in researchgate.net.  
[https://www.researchgate.net/profile/Mirco-Piccinini/publication/372684472\\_Asymptotic\\_approach\\_to\\_singular\\_solutions\\_for\\_the\\_CR\\_Yamabe\\_equation](https://www.researchgate.net/profile/Mirco-Piccinini/publication/372684472_Asymptotic_approach_to_singular_solutions_for_the_CR_Yamabe_equation)
67. Piccinini, Mirco, *Energy methods for local or nonlocal problems in sub-Riemannian setting*, Doctoral thesis 2024, Universita degli Studi di Parma. Dipartimento di Scienze Matematiche, fisiche e informatiche.  
<https://www.repository.unipr.it/handle/1889/5652>
68. Q Kang, DC Chang, W Wang, *Spectral projection operators of the Sub-Laplacian and Laguerre calculus on non-degenerate nilpotent Lie groups of step two*, arXiv:2404.03378,

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).  
*цитирана* - 35.

1. Capelletti Montano, *3-structures with torsion*, Differ. Geom. Appl. 27, No. 4, 496-506 (2009).
2. Jesse Alt, *Fefferman Constructions in Conformal Holonomy*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium im Fach Mathematik eingereicht an der Mathematisch-Naturwissenschaftlichen Fakultät II der Humboldt-Universität zu Berlin, 2008, [http://www.raumzeitmaterie.de/docs/dissertation\\_jesse\\_alt2008.pdf](http://www.raumzeitmaterie.de/docs/dissertation_jesse_alt2008.pdf)
3. Christopher S. Kunkel, *Quaternionic contact normal coordinates*, arXiv:0807.0465.
4. Jesse Alt, *Weyl connections and the local sphere theorem for quaternionic contact structures*, Ann. Glob. Anal. Geom, 39, No. 2, 165-186 (2011).
5. Jesse Alt, *On quaternionic contact Fefferman spaces*, Differ. Geom. Appl. 28, No. 4, 376-394 (2010).
6. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
7. Yang, QH, *Perturbation of Yamabe equation on Iwasawa  $N$  groups in presence of symmetry*, Acta mathematica Sinica-English Series, Volume: 26 Issue: 8 Pages: 1575 Published: AUG 2010.
8. Diego Conti, Marisa Fernandez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Liegroups*, Forum Math. 26 (2014), no. 2, 547-576.
9. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) 16 (2016), no. 2, 625-674.
10. Kunkel, Christopher S., *Quaternionic contact pseudohermitian normal coordinates*, Thesis (Ph.D.) - University of Washington. 2008. 72 pp. ISBN: 978-0549-81646-1, <https://mathscinet.ams.org/mathscinet/search/publdoc.html?pg1=MR&s1=2712235&loc=fromreflist>.
11. F. Baudoin, J. Wang, *The subelliptic heat kernels of the quaternionic Hopf fibration*, Potential Analysis, October 2014, Volume 41, Issue 3, pp 959-982.
12. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. **47** (2015), no. 1, 99-115.
13. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
14. Hiroyuki Kamada and Shin Nayatani, *Quaternionic CR geometry*, Hokkaido Math. J. Volume 42, Number 2 (2013), 159-329.
15. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
16. I. Agricola, A. Ferreira, R. Storm, *Quaternionic Heisenberg groups as naturally reductive homogeneous spaces*, Int. J. Geom. Methods Modern Phys (IJGMMP), 12 (2015), no. 8, 1560007, 10 pp.
17. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of  $Sp(n+1, 1)$* , Ann. Global Analysis Geom. (2016), pp 1-37, First online: 11 January 2016.

18. Ilka Agricola and Giulia Dileo, *New classes of almost 3-contact metric manifolds and their remarkable connections* Preprint, April 17, 2017.
19. Jing Wang, *Sub riemannian heat kernels on model spaces and curvature dimension inequalities on contact manifolds*, A Dissertation Submitted to the Faculty of Purdue University in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy, May 2014 Purdue University West Lafayette, Indiana.  
[http://www.math.purdue.edu/~fbaudoin/thesis\\_jing.pdf](http://www.math.purdue.edu/~fbaudoin/thesis_jing.pdf)
20. Yun Shi & Wei Wang, *The Szego kernel for k-CF functions on the quaternionic Heisenberg group*, *Applicable Analysis* Vol. 96, Iss. 14, 2017, 2474-2492.
21. 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.
22. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) *Appl. Math. J. Chinese Univ. Ser. A* 31 (2016), no. 1, 90-100.
23. 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
24. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, *Comp. R. Bulg. Sci* 2019.
25. 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>.
26. Der-Chen Chang, Xuan Think 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.
27. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, *Comp. R. Bulg. Sci* 2019.
28. 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>
29. Zunwei Fu, Ruming Gong, Elodie Pozzi, Qingyan Wu, *Cauchy-Szegö commutator on weighted Morrey space*, March 2023, *Mathematische Nachrichten* DOI: 10.1002/mana.202000139
30. 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.
31. Abdellah Laaroussi, *Heat kernel asymptotics for quaternionic contact manifolds*, arXiv:2103.00892.
32. 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>
33. 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).
34. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796.
35. 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.**

*цитирания* - 11.

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. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of  $Sp(n+1, 1)$* , Ann. Global Analysis Geom. (2016), pp 1-37, First online: 11 January 2016.
  4. Giuseppe Pipoli, *Inverse mean curvature flow in quaternionic hyperbolic space*, Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. 29 (2018), no. 1, 153-171. DOI: 10.4171/RLM/798.
  5. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) Appl. Math. J. Chinese Univ. Ser. A 31 (2016), no. 1, 90-100.
  6. Giuseppe Pipoli, *A survey on Inverse mean curvature flow in ROSSes*, Complex Manifolds 2017; 4: 245-262, <https://doi.org/10.1515/coma-2017-0016>.
  7. Duong Ngoc Son, *The Schwarzian derivative and Möbius equation on strictly pseudo-convex CR manifolds*, Comm. Anal. Geom. 26 (2018), no. 2, 237-269, DOI 10.4310/CAG.2018.v26.n2.a1
  8. 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.
  9. 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).
  10. Ao Sun, Jonathan J Zhu, *Rigidity of spherical product Ricci solitons*, August 2021, DOI: 10.48550/arXiv.2108.02326.
  11. Johan Jacoby Klemmensen, *A Liouville Theorem and  $C^\alpha$ -Estimate for Calabi-Yau Cones*, February 2025 DOI: 10.48550/arXiv.2502.02361
- 0<sub>a</sub>. **On dual holomorphically projectively flat affine connections. J. Geom. 59 (1997), no. 1-2, 67-76.**  
*цитирання - 2.*
1. H. Matsuzoe, *Complex Statistical Manifolds and complex affine immersions* Current Developments in Differential Geometry and its related fields, pp.183-199, 2015, Proc. 4th Int. Colloq. Diff. Geom. Related Fields, Veliko Tarnovo 2015, doi:10.1142/9789814719780\_0012
  2. Cagri Karaman, *Statistical anti-Kaehler manifolds*, to appear in C.R. Acad. Bulg. Sci., 2020.
- 0<sub>b</sub>. **The totally geodesic plane axiom on a differentiable manifold with a linear connection (with G. Ganchev) C. R. Acad. Bulgare Sci. 40 (1987), no. 1, 33-35.**  
*цитирання - 1.*
1. Abdelghani Zeghib, *Sur les groupes de transformations rigides: theoreme de l'orbite dense-ouverte, Rigidite, groupe fondamental et dynamique*, 169-188, Panor. Syntheses, 13, Soc. Math. France, Paris, 2002.
1. **Curvature operator with parallel Jordanian basis on circles, (with I. Petrova), Riv. Mat. Univ. Parma (5) 5 (1996), 23-31.**  
*цитирання - 2.*
1. Calvico-Louzao, E. , Garcia-Rio, E. , Vazquez-Abal, M.E. , Vazquez-Lorenzo, R, *Curvature operators and generalizations of symmetric spaces in Lorentzian geometry*, Advances in Geometry Volume 12, Issue 1, 31 January 2012, Pages 83-100.
  2. Esteban Calvico Louzao, **Propiedades Geometricas de operadores de curvatura y generalizaciones de espacios simitricos**, ISBN 978-84-9887-794-1 (Ediciyn digital PDF).
2. **"Semi-symmetric W-metric connections and the W-conformal group"(with G. Ganchev), God. Sofij, Univ. Fac. Mat. Inform., 81 (1994), 181-193.**  
*цитирання - 5.*
1. Peter Gilkey, Stana Nikcevic, Udo Simon, *Geometric realizations, curvature decompositions, and Weyl manifolds*, J.G geom. Phys. 61 (2011), no. 1, 270-275.
  2. Peter Gilkey, Stana Nikcevic, *Kaehler and para-Kaehler curvature Weyl manifolds*, Publ. Math. Debrecen 80 (2012), no. 3-4, 369-384.
  3. P. Gilkey, S. Nikcevic, *Kähler-Weyl manifolds of dimension 4*, Rend. Semin. Mat. Univ. Politec. Torino 70 (2012), no. 3, 297-309.

4. P. Gilkey, S. Nikčević, *(para)-Kähler Weyl structures*, Recent trends in Lorentzian geometry, 335-353, Springer Proc. Math. Stat., 26, Springer, New York, 2013.
  5. M. Brozos-Vázquez, E. García-Río, P. Gilkey, R. Vázquez-Lorenzo, *Homogeneous 4-dimensional Kähler-Weyl Structures*, Results Math. **64** (2013), no. 3-4, 357-369.
- 3. "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).  
цитирания - 26.**

1. A.Borowiec, M.Ferraris, M.Francaviglia, I.Volovich, *Almost complex and almost product einstein manifolds from a variational principle*, J.Math.Phys. **40** (1999), 3446-3464.
2. A.Borowiec, M.Francaviglia, I.Volovich, *Anti-Kaehlerian manifolds*, Diff. Geom. Appl. **12** (2000), 281-289.
3. Law, Peter R., *de Rham-Wu decomposition of holomorphic Riemannian manifolds*, J. Math. Phys. **43** (2002), no. 12,6339-6342.
4. Kyoko Honda, Toshihiko Ikawa and Seiichi Udagawa, *On complex spheres*, Mem. Fac. Sci. Eng. Shimane Univ. Series B: Mathematical Science 36 (2003), pp. 49-55.
5. Karina Sluka, *On the curvature of Kähler-Norden metric*, J. Geom. Phys. **54** (2005), no. 2, 131-145.
6. Olszak, Karina, *On the Bochner conformal curvature of Kähler-Norden manifolds*, Centr. Eur. J. Math. **3** (2005), no. 2, 309-317 (electronic)
7. Giampiero Esposito, *From Spinor Geometry to Complex General Relativity*, Int. J. Geom. Meth. Mod. Phys. **2** (2005), 675-731.
8. Olszak, Zbigniew, *On almost complex structures with Norden metrics on tangent bundles* Period. Math. Hungar. **51** (2005), no. 2, 59-74.
9. Olszak, K.; Olszak, Z., *Generalized Einstein conditions on holomorphic Riemannian manifolds*, Acta Math. Hungar. **113**(2006), no. 4, 345-358.
10. Teofilova, Martha, *Complex connections on complex manifolds with Norden metric*, Contemporary aspects of complex analysis, differential geometry and mathematical physics, 326-335, World Sci. Publ., Hackensack, NJ, 2005.
11. Andrzej Borowiec, *Nonlinear Lagrangians of the Ricci type*, arXiv:gr-qc/9906043, to appear in Reports on Mathematical Physics
12. Borowiec, Andrzej; Francaviglia, Mauro; Volovich, Igor, *Topology change and signature change in non-linear first-order gravity*, Int. J. Geom. Methods Mod. Phys. **4** (2007), no. 4, 647-667.
13. Mileva Prvanovic, *Minimal anti-Kähler holomorphic hypersurfaces*, Bulletin, Classe des Sciences Mathématiques et Naturelles, Sciences mathématiques naturelles / sciences mathématiques Vol. CXXXIV, No. 32, pp. 85-104 (2007)
14. Mancho Manev, Miroslava Ivanova, *A classification of the torsion tensors on almost contact manifolds with B-metric*, Central European Journal of Mathematics, October 2014, Volume 12, Issue 10, pp 1416-1432;
15. N.Değirmenci and Së. Karapazar, *Spinors on Kähler-Norden manifolds*, Journal of Nonlinear Mathematical Physics, Vol. 17, No. 1 (2010) 27-34.
16. M. Manev, *Canonical-type connections on manifolds with almost complex and almost contact structures and Norden-type metrics*, Manev\_IGDG-WS-July.pdf from <http://www.researchgate.net>
17. N.Değirmenci and Së. Karapazar, *Schrödinger-Lichnerowicz like formula on Kähler-Norden manifolds*, Intern. J. Geom. Methods in Modern Physics **Vol. 9**, No. 1 (2012) 1250010 (14 pages).
18. Mancho Manev, Miroslava Ivanova, *Canonical-type connection on almost contact manifolds with B-metric*, Ann. Glob. Anal. Geom. **43**(2013), 397-408.
19. Mancho Manev, *On canonical-type connections on almost contact complex Riemannian manifolds*, Filomat 29 (2015), no. 3, 411-425.
20. C. Ida and A. Ionescu, *On a metric holomorphic connection in complex Lie groups*, BSG Proceedings 21. The International Conference "Differential Geometry - Dynamical Systems" DGDS-2013, October 10-13, 2013, Bucharest-Romania, pp. 74-83.
21. M. Manev, *Manifolds with almost contact 3-structure and metrics of Hermitian-Norden type*, J. Geom. 108 (2017), no. 3, 925-937.

22. Cristian Ida, Alexandru Ionescu, Adelina Manea, *A note on para-holomorphic Riemannian Einstein manifolds*, Int. J. Geom. Methods Mod. Phys. 13, 1650107 (2016) [21 pages] DOI: <http://dx.doi.org/10.1142/S0219887816501073>.
23. Mancho Manev, *Associated Nijenhuis Tensors on Manifolds with Almost Hypercomplex Structures and Metrics of Hermitian-Norden Type*, Results in Mathematics, June 2017, Volume 71, Issue 3, pp 1327-1343, doi:10.1007/s00025-016-0624-x
24. Cristian Ida, *On complex Riemannian foliations*, Journal of Physics: Conference Series 670 (2016) 012025, doi:10.1088/1742-6596/670/1/012025. <http://iopscience.iop.org/article/10.1088/1742-6596/670/1/012025/pdf>
25. Mancho Manev, *On Geometry of Manifolds with Some Tensor Structures and Metrics of Norden Type*, Thesis for: Doctor of Sciences in Mathematics, 2017, DOI: 10.13140/RG.2.2.33038.05446. arXiv:1706.05505.
26. Cagri Karaman, *Statistical anti-Kaehler manifolds*, to appear in C.R. Acad. Bulg. Sci., 2020.
4. **"Holomorphically projective transformations on complex Riemannian manifold J. Geom., 49 (1994), 106–116.**  
*цитирания - 8.*
1. Karina Sluka, *On the curvature of Kähler-Norden metric*, J. Geom. Phys. **54** (2005), no. 2, 131–145.
  2. Olszak, Karina, *On the Bochner conformal curvature of Kähler-Norden manifolds*, Cent. Eur. J. Math. **3** (2005), no. 2, 309–317 (electronic)
  3. Olszak, Zbigniew, *On almost complex structures with Norden metrics on tangent bundles* Period. Math. Hungar. **51** (2005), no. 2, 59–74.
  4. Olszak, K.; Olszak, Z., *Generalized Einstein conditions on holomorphic Riemannian manifolds*, Acta Math. Hungar. **113**(2006), no. 4, 345–358.
  5. T. Mohaupt, K. Waite, *Instantons, black holes, and harmonic functions* JHEP 10 (2009) 058.
  6. Cristian Ida, Alexandru Ionescu, Adelina Manea, *A note on para-holomorphic Riemannian Einstein manifolds*, Int. J. Geom. Methods Mod. Phys. 13, 1650107 (2016) [21 pages] DOI: <http://dx.doi.org/10.1142/S0219887816501073>.
  7. Cristian Ida, *On complex Riemannian foliations*, Journal of Physics: Conference Series 670 (2016) 012025, doi:10.1088/1742-6596/670/1/012025. <http://iopscience.iop.org/article/10.1088/1742-6596/670/1/012025/pdf>
  8. Cagri Karaman, *Statistical anti-Kaehler manifolds*, to appear in C.R. Acad. Bulg. Sci., 2020.
5. **"On dual-projectively flat affine connections J. Geom. 53 (1995), no. 1-2, 89–99.**  
*цитирания - 37.*
1. Furuhata, Hitoshi, *Codazzi structures induced by minimal affine immersions*, PDEs, submanifolds and affine differential geometry (Warsaw, 2000), 17–19, Banach Center Publ.,57, Polish Acad. Sci., Warsaw, 2002.
  2. Hiroshi Matsuzoe, *On realization of conformally-projectively flat statistical manifolds and the divergences*, Hokkaido Mathematical Journal Vol. 27 (1998) p. 409-421.
  3. Hasegawa, I., Yamauchi, K., *Conformally-projective flat statistical structure on tangent bundles over statistical manifolds* Differential geometry and its applications, 239–251, World Sci. Publ., Hackensack, NJ, 2008.
  4. Hasegawa, Izumi; Yamauchi, Kazunari, *Conformal-projective flatness of tangent bundle with complete lift statistical structure*, Differ. Geom. Dyn. Syst. **10**(2008), 148–158.
  5. O. Calin, H. Matsuzoe, Jun Zhang, *Generalization of conjugate connections*, May 7, 2009 14:2 WSPC - Proceedings TrimSize: 9in x 6in 00Procs2008.
  6. Hasegawa, I., Yamauchi, K.,  *$\lambda$ -conformal flatness of Tangent bundle with complete lift statistical structure* J. Hokkaido Univ. Educ. (Natural Sciences), **58** (2007) N1, 1-14.
  7. M.Peikert, *Examples of Weyl-geometries in Affine Differential Geometry*, In: Geometry and Topology of Submanifolds Vol. IX., 1999, 208-220.



8. U.Simon, *The influence of Katsumi Nomizu on affine differential geometry*, Geometry and Topology of Submanifolds VII.Proc. Conf. Diff. Geometry Leuven 1994. 33-51, World Scientific.1995.
9. Matsuzoe, Hiroshi, *Geometry of statistical manifolds and its generalization*, Topics in Contemporary Differential Geometry, Complex Analysis and Mathematical Physics, Proc. 8th Int. Workshop on Complex structures and vector fields, (2007), 244-251.
10. Simon, U, *On an affine theory of hypersurfaces: gauge-invariant structures*, (Russian) Izv. Vyssh. Uchebn. Zaved. Mat. 2004, , no. 11, 53–81;translation in Russian Math. (Iz. VUZ) **48** (2004), no. 11,48–73 (2005)
11. Ch. Steglich, *Invariants of comformal and projective structures*, Results in Math. **27** (1995), 188-193.
12. K.Uohashi, A.Ohara, T.Fujii, *Foliations and divergences of flat statistical manifolds*, Hiroshima Math. J., **30** (2000),403-414.
13. K. Uohashi, A. Ohara, T. Fujii, *1-conformally flat statistical submanifolds*, Osaka J. Math.**37** (2000): (2) 501-507.
14. Matsuzoe, Hiroshi, *Traceless cubic forms on statistical manifolds and Tchebychev geometry* , PDEs, submanifolds and affine differential geometry, 179–187, Banach Center Publ., **69**,Polish Acad. Sci., Warsaw, 2005.
15. Matsuzoe, Hiroshi, *Geometry of semi-Weyl manifolds and Weyl manifolds*, Kyushu J.Math. **55** (2001), no. 1, 107–117.
16. Matsuzoe, Hiroshi, *Geometry of contrast functions and conformal geometry*, Hiroshima Math. J. **29** (1999), no.1, 175–191.
17. Matsuzoe, Hiroshi *Some generalizations from classical statistical manifolds* (in japan), 1623 2009, 12-21, available at <http://www.kurims.kyoto-u.ac.jp/~kyodo/kokyuroku/contents/pdf/1623-02.pdf>
18. Hasegawa, I., Nakane, T.,Okuyama, Y., Sato, K, Wada, F., Yoshimoto, T., *Remarks on Conformal-projective flatness of tangent bundle with some lift statistical structure*, J. Hokkaido Univ. Educ. (Natural Sciences), **61** (2010) N1, 41-56.
19. Keiko Uohashi, *Harmonic maps relative to  $\alpha$ -connections on statistical manifolds*, Applied Sciences, Vol.14, 2012, pp. 82-88.
20. Keiko Uohashi, *A Hessian Domain Constructed with a Foliation by 1-Conformally Flat Statistical Manifolds*, International Mathematical Forum, Vol. 7, 2012, no. 48, 2363-2371.
21. Keiko Uohashi,  *$\alpha$ -connections on level surfaces in a Hessian domain*, Prospect of Differential Geometry and Related Fields, World Scientific Publishing, pp. 203–213, Proc. 3rd International Colloquium in Differential Geometry an its related fields, Veliko Tarnovo, September, 3-7, 2012
22. Keiko Uohashi, *Harmonic Maps Relative to  $\alpha$ -Connections on Hessian Domains*, Geometric Science of Information, Lecture Notes in Computer Science Volume 8085, 2013, pp 745-750.
23. Hiroshi Matsuzoe, Takashi Kurose, *Title in Japan*, in Theory and application of statistical inference in quantum theory (<http://hdl.handle.net/2433/194204>), (2013), 1834: 45-55. <http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/194885/1/1834-03.pdf>
24. A.M. Blaga, *Subtangent-like statistical manifolds*, Acta Math. Univ. Comenianae Vol. LXXXIII, 1 (2014), pp. 147-156.
25. Hiroshi Matsuzoe, Masayuki Henmi, *Hessian Structures and Divergence Functions on Deformed Exponential Families*, Geometric Theory of Information Signals and Communication Technology 2014, pp 57-80.
26. Uohashi, Keiko, *Harmonic maps relative to  $\alpha$ -connections*, Geometric theory of information, 81-96, Signals Commun. Technol., Springer, Cham, 2014.
27. James Tao, Jun Zhang, *Transformations and Coupling Relations for Affine Connections*, Differential Geom. Appl. **49** (2016), 111-130.
28. Adara Blaga, Mircea Grasmareanu, *Golden-Statistical Structures*, C. R. Acad. Bulgare Sci. **69** (2016), no. 9, 1113-1120.
29. Adara Blaga, *Generalized dual connections on para-Kenmotsu manifolds*, Bull. Int. Math. Virtual Inst. **7** (2017), no. 1, Vol. 7 (2017), 165-171.
30. Adara Blaga, Mircea Crasmareanu, *Statistical structures in almost paracontact geometry*, Bull. Iranian Math. Soc. **44** (2018), no. 6, 1407-1413.

31. Milos Petrovic, Mica Stankovic, Patrik Peska, *On Conformal and Conircular Diffeomorphisms of Eisenhart's Generalized Riemannian Spaces*, Mathematics 2019,7, 626; doi:10.3390/math7070626.
  32. Keisuke Haba, *1-Conformal geometry of quasi statistical manifolds*, Information Geometry (2020), <https://doi.org/10.1007/s41884-020-00036-0>
  33. Keisuke Haba, Hiroshi Matsuzoe, *Complex affine distributions*, April 2021, Differential Geometry and its Applications 75(8):101734, DOI: 10.1016/j.difgeo.2021.101734
  34. 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
  35. 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.
  36. Marta Teofilova, *Conjugate connections and statistical structures on Almost Norden manifolds*, December 2021 International Journal of Differential Equations and Applications 20(2):235-250.
  37. Andreas Vollmer, *On dual-projectively equivalent connections associated to second order superintegrable systems*, arXiv:2412.19739.
- 6. "Curvature of anti-Kähler manifolds"(with G. Ganchev and V. Michova), Riv. Mat. Univ. Parma (5) 2 (1993), 249–256.**  
*цитирования - 4.*
1. V. Oproiu, N. Papaghiuc, *Classes of almost anti-hermitian structures on the yangent bundle of a Riemannian manifolds I*, An. Stiint. Univ. Al. I. Cuza Iasi. Mat. (N.S.) **50** (2004), no. 1, 175–190.
  2. Simona-Luiza Druta, *Other Classes of Tangent Bundles with General Natural Almost Anti-Hermitian Structures*, Proceedings—the International Conference of Differential Geometry and Dynamical Systems (DGDS-2009), 84-98, BSG Proc., 17, Geom. Balkan Press, Bucharest, 2010.
  3. C. Ida and A. Ionescu, *On a metric holomorphic connection in complex Lie groups*, BSG Proceedings 21. The International Conference "Differential Geometry - Dynamical Systems" DGDS-2013, October 10-13, 2013, Bucharest-Romania, pp. 74-83.
  4. Druta, Simona L., *Classes of general natural almost anti-Hermitian structures on the cotangent bundles*, Mediterr. J. Math. **8** (2011), no. 2, 161-179.
- 7. "Compact Hermitian surfaces of Einstein type with respect to the Hermitian connection (with G. Ganchev) Monatsh. Math.123 (1997), no. 1, 53–59. IF-0.326**  
*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.
- 8. "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. IF - 0.327**  
*цитирования - 14.*
1. E.Garcia-Rio, D.Kupeli, R.Vazquez-Lorenzo, **Osserman manifolds in semi- Riemannian geometry**, Lecture Notes in Mathematics **1777**, Springer-Verlag (2002).
  2. Gilkey, Peter B. **The geometry of curvature homogeneous pseudo-Riemannian manifolds**. ICP Advanced Texts in Mathematics, 2.Imperial College Press, London, 2007.
  3. Miguel Brozos-Va'zquez, Eduardo Garci'a-Ri'o, Peter Gilkey, Stana Nikcevic, and Ra'mon Va'zquez-Lorenzo, **The Geometry of Walker Manifolds**, Synthesis Lectures on Mathematics and Statistics, 2009, Vol.2, No.1, Pages 1-179.
  4. Esteban Calvico Louzao, **Propiedades Geometricas de operadores de curvatura y generalizaciones de espacios simitricos**, ISBN 978-84-9887-794-1 (Ediciyn digital PDF).
  5. Liu, H.L.; Simon, U.; Verstraelen, L.; Wang, C.P., *The third fundamental form metric for hypersurfaces in nonflat space forms*, J. Geom. **65**, No.1-2, 130-142 (1999).
  6. Boeckx, E., Vanhecke, L., *Unit tangent sphere bundles with constant scalar curvature*, Czechoslovak Math. J. **51** (126) (2001), no. 3, 523–544.

7. Calvino-Louzao, Esteban; Garcia-Rio, Eduardo; Vazquez-Lorenzo, Ramon *Four-dimensional Osserman-Ivanov-Petrova metrics of neutral signature* Class.Quantum Grav. 24 (2007), no. 9, 2343–2355.
  8. Garcia-Ri'o, E., Badali, A.H., Va'zquez-Lorenzo, R., *Lorentzian three-manifolds with special curvature operators* Classical and Quantum Gravity **25** (1) (2008), art. no. 015003
  9. Calvaruso, G., *Constructing metrics with prescribed geometry*, Loubeau, E. (ed.) et al., Harmonic maps and differential geometry. A harmonic map fest in honour of John C. Wood's 60th birthday, Cagliari, Italy, September 7-10, 2009. Providence, RI: American Mathematical Society (AMS) (ISBN 978-0-8218-4987-3/pbk). Contemporary Mathematics 542, 177-185 (2011).
  10. Calvaruso, G., *Three-dimensional Ivanov-Petrova manifolds*, Journal of Mathematical Physics **50** (6) (2009), art. no. 063509, DOI: 10.1063/1.3152607
  11. Giovanni Calvaruso, Eduardo Garcia-Rio, *Algebraic Properties of Curvature Operators in Lorentzian Manifolds with Large Isometry Groups*, SIGMA 6 (2010), 005, arXiv:1001.1994.
  12. M. Brozos-Va'zquez, E. Garcia-Ri'o, and S. Gavino-Ferna'ndez, *Some generalizations of locally symmetric spaces*, Herdeiro, Carlos (ed.) et al., XIX international fall workshop on geometry and physics, Porto, Portugal, September 6–9, 2010. Melville, NY: American Institute of Physics (AIP) (ISBN 978-0-7354-0918-7/pbk). AIP Conference Proceedings 1360, 121-126 (2011).
  13. Calvico-Louzao, E. , Garcia-Rio, E. , Vazquez-Abal, M.E. , Vazquez-Lorenzo, R, *Curvature operators and generalizations of symmetric spaces in Lorentzian geometry*, Advances in Geometry Volume 12, Issue 1, 31 January 2012, Pages 83-100.
  14. Mohamad Chaichi, *Curvature Models of Conformally Flat Walker (2,2)-Manifolds*, International Journal of Geometric Methods in Modern Physics, 2019, DOI: 10.1142/S0219887819300022
- 9. "On the fundamental theorem for non-degenerate complex affine hypersurface immersions, Monatshefte Mathematics 123 (1997), 321-336. IF-0.326**  
цитирания - 10.
1. A.Borowiec, M.Francaviglia, I.Volovich, *Anti-Kaehlerian manifolds*, Diff. Geom. Appl. **12** (2000), 281-289.
  2. H.Furuhata, H.Matsuzoe, *Holomorphic centroaffine immersions and the Lelievre correspondence*, Results in Mathematik, **33** (1998), 294-305.
  3. K. Hasegawa, *The fundamental theorems for affine immersions into hyperquadrics and its applications*, Monatsh. Math. **131**: (1) 37-48 2000.
  4. Karina Sluka, *On the curvature of Kähler-Norden metric*, J. Geom. Phys. **54** (2005), no. 2, 131–145.
  5. Giampiero Esposito, *From Spinor Geometry to Complex General Relativity*, Int. J. Geom. Meth. Mod. Phys. **2** (2005)675-731.
  6. Adara Blaga, *Generalized dual connections on para-Kenmotsu manifolds*, BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE ISSN (p) 2303-4874, ISSN (o) 2303-4955 www.imvibl.org /JOURNALS / BULLETIN Vol. 7(2017), 165-171.
  7. H. Matsuzoe, *Complex Statistical Manifolds and complex affine immersions* Current Developments in Differential Geometry and its related fields, pp.183-199, 2015, Proc. 4th Int. Colloq. Diff. Geom. Related Fields, Veliko Tarnovo 2015, doi:10.1142/9789814719780\_0012
  8. Cagri Karaman, *Statistical anti-Kaehler manifolds*, to appear in C.R. Acad. Bulg. Sci., 2020.
  9. Keisuke Haba, Hiroshi Matsuzoe, *Complex affine distributions*, April 2021, Differential Geometry and its Applications 75(8):101734, DOI: 10.1016/j.difgeo.2021.101734
  10. Marta Teofilova, *Conjugate connections and statistical structures on Almost Norden manifolds*, December 2021 International Journal of Differential Equations and Applications 20(2):235-250.
- 10. "Compact Hermitian surfaces of constant anti-holomorphic sectional curvature (with V.Apostolov and G.Ganchev), Proc.Amer. Math. Soc., 125 (1997), 3705-3714. IF -0.273**  
цитирания - 11.
1. P.B. Gilkey, M. Brozos-Vazquez and S. Nikcevic, **Geometric realizations of curvature**, Imperial College Press (2012).
  2. M. Falcitelli, A. Farinola, O.T. Kasabov, *Almost Kähler manifolds whose antiholomorphic sectional curvature is pointwise constant*, Rendiconti di Matematica, Serie VII Volume 18, Roma (1998), 151-166

3. W.S. Cheung, B.Wong, *Hermitian metric with constant holomorphic sectional curvature on convex domains*, Int. J. Math. **11**: (6) 849-855 AUG 2000.
4. T.Sato, *Almost hermitian 4-manifolds with pointwise constant anti-holomorphic sectional curvature*, J. Geom. **77**(2003), no. 1-2, 171-183.
5. Ph. Xenos, *On a Blair-Ianus question*, preprint <http://www.mathem.pub.ro/proc/bsgp-06/0XENOS.PDF>
6. T.Sato, *Examples of hermitian manifolds with pointwise constant anti-holomorphic sectional curvature*, J. Geom. **80**(2004), no. 1-2, 196-208.
7. M. Brozos-Vazquez, P. Gilkey, H. Kang, S. Nikcevic, *Geometric Realizations of Hermitian curvature models*, J. Math.Soc. Japan **62** (2010), no. 3, 851-866.
8. M. Brozos-Vazquez, P. Gilkey, S. Nikcevic, *Geometric realizations of curvature*, Nihonkai Math. J. **20** (2009), no. 1, 1-24.
9. M. B. Banaru , V. F. Kirichenko, *Almost Contact Metric Structures on the Hypersurface of Almost Hermitian Manifolds*, Journal of Mathematical Sciences, June 2015, Volume 207, Issue 4, pp 513-537.
10. Kasabov, O. **Almost hermitian manifolds with vanishing Bochner tensor** 107pp.,(in bulgarian), Sofia, 2015.
11. 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
11. **"Einstein-Hermitian surfaces and Hermitian Einstein-Weyls tructures in dimension 4 (with P.Gauduchon), Mathematische Zeitschrift, 226 (1997), 317-326. IF - 0.412**  
*цитирация - 32.*
  1. D.M.J.Calderbank, H.Pedersen, *Einstein-Weyl geometry*, J DIFFER GEOM 387-423 Suppl. 6 1999, in *Volume VI, Surveys in Differential Geometry: Essays on Einstein Manifolds, suppl. to the Journal of Differential Geometry* eds. C. LeBrun, M. Wang(International Press).
  2. H.Kamada, *Compact Einstein-Weyl four manifolds with compatible almost complex structure*, Kodai Math. J. **22**, No.3, 434-437 (1999).
  3. Kim, J., *Locally conformal Kähler manifolds and conformal scalar curvature*, Communications of the Korean Mathematical Society **25** (2010), pp. 245-249.
  4. Nicola Enrietti, *Static SKT metrics on Lie groups*, Manuscripta Mathematica **140** (2013) (3-4) , pp. 557-571.
  5. Jess Boling, *Homogeneous Solutions of Pluriclosed Flow on Closed Complex Surfaces*, The Journal of Geometric Analysis. July 2016, Volume 26, Issue 3, pp 2130-2154.
  6. Jeffrey Streets, Gang Tian, *Generalized Kaehler Geometry and the Pluriclosed Flow*, Nuclear Physics B **858** (2012) (2) , pp. 366-376.
  7. Anna Fino, Luigi Vezzoni, *Special Hermitian metrics on compact solvmanifolds*, Journal of Geometry and Physics Volume 91, May 2015, Pages 40-53, Conformal and Complex Geometry in Honour of Paul Gauduchon
  8. Jess Eugene Boling, *Two flows in non-Kaehler geometry*, DISSERTATION submitted in partial satisfaction of the requirements for the degree of DOCTOR OF PHILOSOPHY in Mathematics, UC Irvine 2016.  
<http://escholarship.org/uc/item/4b48w5vm>
  9. Jeffrey Streets, *Classification of solitons for pluriclosed flow on complex surfaces*, Mathematische Annalen, December 2019, Volume 375, Issue 3-4, pp 1555-1595.
  10. 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.
  11. Jeffrey Streets, *Pluriclosed flow and the geometrization of complex surfaces*, arXiv:1808.09490.
  12. Daniele Angella, Simone Calamai, Cristiano Spotti, *Remarks on Chern-Einstein Hermitian metrics*, November 2019 Mathematische Zeitschrift, DOI: 10.1007/s00209-019-02424-4
  13. Caner Koca, Mehdi Lejmi, *Hermitian metrics of constant Chern scalar curvature on ruled surfaces*, Kodai Math. J. **43** (2020), no. 3, 409-430.

14. Mario Garcia-Fernandez, Jeffrey Streets, **Generalized Ricci Flow**, AMS University Lecture Series, vol. 76, 2021.
  15. 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>.
  16. 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.
  17. 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.
  18. Daniele Angella, Francesco Pediconi, *On the linearization stability of the Chern-scalar curvature*, Mathematische Zeitschrift (2022), DOI: 10.1007/s00209-021-02956-8.
  19. 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,
  20. 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>
  21. 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.
  22. Mario Garcia-Fernandez and Jeffrey Streets, **Generalized Ricci Flow**, University Lecture Series, volume 76, AMS 2021.
  23. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds <https://doi.org/10.1515/coma-2022-0150>, arXiv:2205.03452.
  24. 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>,
  25. 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>.
  26. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
  27. Kyle Broder, Artem Pulemotov, *Hermitian metrics with vanishing second Chern Ricci curvature*, November 2024, Bulletin of the London Mathematical Society DOI: 10.1112/blms.1317.,
  28. 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>
  29. Xiaokui Yang, *Manifolds with non-positive second Chern-Ricci curvature*, arXiv:2407.05660.
  30. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
  31. Daniele Angella, *Hermitian metrics on complex non-Kähler manifolds*, arXiv:2503.16936.
  32. Beatrice Brienza, Anna Fino, Gueo Grantcharov, *A mapping tori construction of strong HKT and generalized hyperkähler manifolds*, arXiv:2503.21484.
12. "Curvature properties of twistor spaces of quaternionic Kähler manifolds (with B. Alexandrov and G. Grantcharov), *Journal of Geometry*, 62 (1998), 1-12.  
*цитированная* - 49.
1. Thomas Friedrich, **Dirac operators in Riemannian geometry**, Graduate Studies in Mathematics, vol. 23.
  2. Boyer, Charles P.; Galicki, Krzysztof, **Sasakian geometry**. Oxford Mathematical Monographs. Oxford University Press, Oxford, 2008.
  3. M. Falcitelli, S. Ianus, A.M. Pastore, **Riemannian submersions and related topics**, World Scientific Publishing Co. Pte. Ltd., 2004.
  4. V.Apostolov, T.Draghici, *Almost Kaehler 4-manifolds with J-invariant Ricci tensor and special Weyl tensor*, Quarterly J. Math. (Oxford), **51**, No.3, 275-294 (2000).
  5. Vestislav Apostolov, John Armstrong, Tedi Draghici, *Local models and integrability of certain almost Kahler 4-manifolds*, Math. Ann. **323** (2002), 633-666.

6. T.Draghici, *The Goldberg conjecture and other related problems for almost Kähler manifolds*, Proceedings of the National Geometry and Topology Conference - Timisoara, Romania,1994.
7. T.Draghici, *Almost Kähler 4-manifolds with J-invariant Ricci tensor*, Houston J. Math., **25**, No.1,(1999), 133-145.
8. T.Draghici, *Special metrics on symplectic manifolds*, PhD Thesis, Michigan State University, May 1997.
9. B.Foreman, *Complex contact manifolds and Hyper-kähler geometry*, Kodai Math. Journal, **23** (2000), 12-26.
10. Foreman, Brendan, *Curvature characterizations of twistor spaces over four-dimensional Riemannian manifolds*, Kodai Math. J. **25** (2002), no. 3,167–190.
11. P.-A.Nagy, *On nearly Kähler geometry*, Ann. Glob.Anal. Geom. **22** (2002), 167-178.
12. W. Jelonek, *Quaternionic Kähler geometry and almost Kähler A-manifolds*, Ann. Polon. Math. 75 (2000), no. 2,111–124.
13. Jelonek, Wlodzimierz, *On certain four-dimensional almost Kähler manifolds*, Colloq. Math.**108** (2007), no. 1, 7–18.
14. D.Blair, J.Davidov, O.Muskarov, *Hyperbolic twistor space*, Rocky Mountain J. Math. **35** (2005), no. 5,1437–1465.
15. V.Apostolov, T.Draghici, *The curvature and the integrability of almost Kähler manifolds:A survey*, to appear in ‘Symplectic and Contact Topology: Interactions and Perspectives’,(eds. Y.Eliashberg, B. Khesin, F. Lalonde), Fields Institute Communications Series, AMS, 2003, math.DG/0302152.
16. P.-A. Nagy, *Torsion in almost Kähler geometry*, math.DG/0301069.
17. Paul-Andi Nagy, *Algebraic reduction of certain almost Kaehler manifolds*, math.DG/0302281.
18. Klaus-Dieter Kirchberg, *Some integrability conditions for almost Kähler manifolds*, J. Geom. Phys. 49 (2004), no. 1, 101–115.
19. Paul-Andi Nagy, *The structure of  $AK_2$ -manifolds* , arXiv:math/0301228.
20. Jean-Baptiste Butruille, *Twistors and 3-symmetric spaces*, Proc. Lond. Math. Soc. (3) **96** (2008), no. 3,738–766.
21. Jean-Baptiste Butruille, *Homogeneous nearly Kähler manifolds*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 399-423.
22. Charles P. Boyer,Krzysztof Galicki, *Sasakian Geometry, Holonomy, and Supersymmetry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 39-84.
23. Kotschick, D.; Terzic', S., *Chern numbers and the geometry of partial flag manifolds*, Comment. Math. Helv. **84** (2009), no. 3, 587–616.
24. Andrei Moroianu, Uwe Semmelmann, *Clifford structures on Riemannian manifolds*, Adv. Math. **228**, No. 2, 940-967 (2011).
25. Watanabe, Yoshiyuki; Suh, Young Jin, *On 6-dimensional nearly Kähler manifolds*, Canad. Math. Bull. **53** (2010),no. 3, 564–570,
26. Watanabe, Yoshiyuki, *Six-dimensional nearly Kähler manifolds*, Proc. of the Eleventh Intern. Workshop on Diff. Geometry, 11 (2007), 1-7.
27. J. Davidov, G. Grantcharov, O. Muskarov, *Curvature properties of the Chern connection of twistor spaces*, Rocky Mt. J. Math. 39, No. 1, 27-48 (2009).
28. Paul-Andi Nagy, *Torsion and integrability of some classes of almost Kähler manifolds*, Habilitation (DSc) thesis, Hamburg University, 2011
29. Ryoichi Kobayashi, *Ricci flow unstable cell centered at an einstein metric on the twistor space of positive quaternion Kähler manifolds of dimension  $\geq 8$* , arXiv:0801.2605.
30. D. Blair, *Some generalizations of twistor spaces*, Differential Geometry, Valencia 2001: Proceedings of the International Conference held to honour the 60th Birthday of A.M.Naveira, 83-95.
31. Lars Schäfer, *Foliations of Semi-Riemannian Manifolds*, Results in Mathematics Volume 61, Numbers 1-2 (2012), 97-126, DOI: 10.1007/s00025-010-0078-5

32. Anna Szczepkowska, Aleksy Tralle, Artur Woike, *On curvature constructions of symplectic forms*, Banach Center Publ. 93 (2011), 261-269. doi:10.4064/bc93-0-21
33. J.C. Gonzalez Davila, F. Martin Cabrera, *Homogeneous nearly Kähler manifolds*, Annals of Global Analysis and Geometry 2011, DOI: 10.1007/s10455-011-9305-x.
34. Simon G.Chiossi, Paul-Andi Nagy, *Complex homothetic foliations on Kähler manifolds*, Bull. Lond. Math. Soc. **44**, No. 1, 113-124 (2012).
35. Gabriel Eduard Vilcu, Rodica Cristina Voicu, *Curvature properties of pseudo-sphere bundles over para quaternionic manifolds*, Int. J. Geom. Methods Mod. Phys. Volume: 9, Issue: 3(2012) 1250024.
36. Lorenzo Foscolo, Mark Haskins, *New  $G_2$  holonomy cones and exotic nearly Kaehler structures on the 6-sphere and the product of a pair of 3-spheres*, Annal math., (2) **185** (2017), no. 1, 59-130.
37. Maciej Bochenski1, Anna Szczepkowska1, Aleksy Tralle and Artur Woike, *On symplectically fat twistor bundles*, Annals of Global Analysis and Geometry, **48** 2015, 181-194.
38. Gerardo Arizmendi, Charles Hadfield, *Twistor Spaces of Riemannian Manifolds with Even Clifford Structures*, Ann Glob Anal Geom (2017) 51: 11. doi:10.1007/s10455-016-9520-6
39. Charles Hadfield, *Even Clifford structures and Quantum Resonances*, THESE DE DOCTORAT de Universite de recherche Paris Sciences et Lettres PSL Research University Preparee a Ecole normale superieure, 19 june 2017.  
<https://tel.archives-ouvertes.fr/tel-01555234/document>
40. Daniel Konstantin Thung, *Invariant Geometric Structures and Chern Numbers of  $G_2$  Flag Manifolds*, A thesis presented for the degree of Master of Science, supervised by Prof. D. Kotschick, D. Phil. (Oxon) Mathematisches Institut Ludwig-Maximilians-Universität München, September 2017.  
<http://www.theorie.physik.uni-muenchen.de/TMP/theses/thesis-thung.pdf>
41. Johann Davidov, Oleg Mushkarov, *Twistorial examples of almost Hermitian manifolds with Hermitian Ricci tensor*, Acta Mathematica Hungarica (2018), DOI: 10.1007/s10474-018-0833-8
42. 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.
43. 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.
44. Samser Alam, Arindam Bhattacharyya, *Some Curvature Identities on Nearly Keahler Manifolds*, Journal of The Tensor Society (J.T.S.) ISSN: 0974-5424 Vol. 15 (2021), page 1 - 9; DOI: 10.56424/jts.v15i01.10617.
45. Oscar Macia, Uwe Semmelmann, Gregor Weingart, *On quaternionic bisectonal curvature*, Nov 2024 Mathematische Annalen DOI: 10.1007/s00208-024-03028-y
46. 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.
47. 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.
48. Andrei Moroianu, Uwe Semmelmann, Gregor Weingart, *Quaternion-Kähler manifolds with non-negative quaternionic sectional curvature*, arXiv:2412.00385.
49. Thomas Murphy, Paul-Andi Nagy, *3-symmetric spaces, Ricci solitons, and homogeneous structures*, January 2025, DOI: 10.48550/arXiv.2501.07864.
- 13. "Riemannian manifold in which the skew-symmetric curvature operator has pointwise constant eigenvalues (with I.Petrova), Geometriae Dedicata, 70 (1998), 269-282, IF -0.288**  
*цитування - 53.*
1. Berger, Marcel **A panoramic view of Riemannian geometry**, Springer-Verlag, Berlin, 2003.
  2. Marcel Berge, **Riemannian Geometry During the Second Half of the Twentieth Century**, University Lecture Series, vol.17. American Mathematical Society, Providence, RI, 2000.
  3. Peter Gilkey, **Geometric properties of natural operators defined by the Riemannian curvature tensor**, World scientific Press (2001), ISBN-981-02-4752.
  4. E.Garcia-Rio, D.Kupeli, R.Vazquez-Lorenzo, **Osserman manifolds in semi- Riemannian geometry**, Lecture Notes in Mathematics **1777**, Springer-Verlag (2002).

5. Gilkey, Peter B. **The geometry of curvature homogeneous pseudo-Riemannian manifolds**. ICP Advanced Texts in Mathematics, 2. Imperial College Press, London, 2007.
6. Miguel Brozos-Va'zquez, Eduardo Garcí'a-Ri'o, Peter Gilkey, Stana Nikcevic, and Ra'mon Va'zquez-Lorenzo, **The Geometry of Walker Manifolds**, Synthesis Lectures on Mathematics and Statistics, 2009, Vol.2, No.1, Pages 1-179
7. Esteban Calvico Louzao, **Propiedades Geometricas de operadores de curvatura y generalizaciones de espacios simitricos**, ISBN 978-84-9887-794-1 (Ediciyn digital PDF).
8. Novica Blazic, Neda Bokan, Peter Gilkey, Zoran Rakic, *Pseudo-Riemannian Ossermann Manifolds* , Balkan Journal of Geometry and Its Applications (BJGA) Vol. 2, No. 2, pp. 1-12 (1997).
9. Gilkey, P., *Relating algebraic properties of the curvature tensor to geometry*, Novi Sad J. Math., **29** (1999), 109-119.
10. J.Chang. G.Yun, *Spectral geometry of harmonic maps into warped product manifolds with a circle*, Houston J. Math. **28**(2002),71-87.
11. Gabjin Yun, *Spectral geometry of harmonic maps into warped product manifolds II*, Int. J. Math. Math. Sci. 27:6 (2001), 327-339.
12. P.B.Gilkey, *Riemannian manifolds whose skew-symmetric curvature operator has constant eigenvalues II*, in **Differential geometry and applications** (ed Kolar, Kowalski,Krupka and Slovak) Publ Massarik University Brno Czech Republic ISBN 80-210-2097-0 (1999), 73-87.
13. P.B.Gilkey, *Bundles over projective spaces and algebraic curvature tensors*, J. Geometry **71** (2001), 54-67.
14. P.B.Gilkey, J.Leahy, H.Sadofsky, *Riemannian manifolds whose skew-symmetric curvature operator has constant eigenvalues*,Indiana J. Math. **48**, 2 (1999), 615-630.
15. P.B.Gilkey, U.Semmelmann, *Spinors, self-duality and IP algebraic curvature tensor of rank 4*, Proc. sympos. in contemporary mathematics in honor of 125 year of Faculty of Mathematics at the Univ. of Belgrade, Neda Bokan Editor, ISBN86-7589-014-1 (2000), 1-12.
16. O.Kowalski, M.Sekizawa, Z.Vlasek, *Can tangent sphere bundles over Riemannian manifolds have strictly positive sectional curvature*, Global differential geometry: the mathematical legacy of Alfred Gray (Bilbao, 2000), 110–118, Contemp. Math.,**288**, Amer. Math. Soc., Providence, RI, 2001.
17. Tan Zhang, *Manifolds with indefinite metrics whose skew-symmetric curvature operator has constant eigenvalues*, A DISSERTATION Presented to the Department of Mathematics and the Graduate School of the University of Oregon in partial fulfilment of the requirements for the degree of Doctor of Philosophy, June 2000.  
[https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/150/Manifolds\\_with\\_indefinite\\_metrics.pdf?sequence=4](https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/150/Manifolds_with_indefinite_metrics.pdf?sequence=4)
18. P. Gilkey, *Geometric properties of the curvature operator*, Geometry and Topology of Submanifolds X, eds. W.H. Chen et al. (pp. 62-70), 2000 World Scientific Publishing Co.
19. K.J.Pearson, T.Zhang, *The nonexistence of rank 4 IP tensors in signature (1,3)*, Int. J. Math. Math. Sci. **31**(2002), no. 5, 259–269.
20. Peter Gilkey, Raina Ivanova, *Complex IP curvature tensors*, PDEs, submanifolds and affine differential geometry(Warsaw, 2000), 195–202, Banach Center Publ., **57**, Polish Acad. Sci., Warsaw, 2002, math.DG/0205078.
21. Peter Gilkey, Tan Zhang, *Algebraic curvature tensors for indefinite metrics whose skew-symmetric curvature operator has constant Jordan normal form*, Houston J. Math., **28** (2002),311-328, math.DG/0205079.
22. Yulian T. Tsankov, *A characterization of n-dimensional hypersurfaces in  $R^{n+1}$  with commuting curvature operators*, Banach Center Publ. 69 (2005), 205-209.
23. Zhang, Tan, *Manifolds with indefinite metrics whose skew-symmetric curvature operator has constant eigenvalues*, Steps in differential geometry (Debrecen, 2000), 401–407, Inst.Math. Inform., Debrecen, 2001.
24. Peter Gilkey, Tan Zhang, *Algebraic curvature tensors whose skew-symmetric curvature operator has constant rank 2*,Period. Math. Hungar. **44** (2002), no. 1, 7–2.
25. Peter Gilkey, Raina Ivanova, *The Geometry of the Skew-Symmetric Curvature Operator in the Complex Setting*, Global differential geometry: the mathematical legacy of Alfred Gray(Bilbao, 2000), 325–333, Contemp. Math., **288**, Amer. Math.Soc., Providence, RI, 2001.



26. Zhang, Tan, *Applications of algebraic topology in bounding the rank of the skew-symmetric curvature operator*, *Topology Appl.* **124** (2002), no. 1, 9–24.
27. Peter Gilkey, Raina Ivanova, Tan Zhang, *Szabo Osserman IP Pseudo-Riemannian manifolds*, *Publ. Math. Debrecen* **62**(2003), no. 3-4, 387–401.
28. Peter Gilkey, Raina Ivanova, Tan Zhang, *The spectral geometry of the Riemann curvature tensor*, *math.DG/0206129*.
29. B.Fiedler, P.Gilkey, *Nilpotent Szabo, Oserman and Ivanov-Petrova pseudo-Riemannian manifolds*, *Recent advances in Riemannian and Lorentzian geometries* (Baltimore, MD, 2003), 53–63, *Contemp. Math.*, **337**, Amer. Math. Soc., Providence, RI, 2003.
30. Peter Gilkey, Raina Ivanova, Iva Stavrov, *Jordan Szabo algebraic covariant derivative curvature tensors*, *Recent advances in Riemannian and Lorentzian geometries* (Baltimore, MD, 2003), 65–75, *Contemp. Math.*, **337**, Amer. Math. Soc., Providence, RI, 2003.
31. Y. Nikolayevsky, *Riemannian manifolds of dimension 7 whose skew-symmetric curvature operator has constant eigenvalues*, *Bull. Austral. Math. Soc.* **70** (2004), no. 2, 301–319.
32. Iva Stavrov, *Vector bundles over Grassmannians and the skew-symmetric curvature operator*, *Diff. Geom. Appl.*, **23**(2005), no. 2, 128–148, *math.DG/0407284*.
33. C. Dunn, P. Gilkey, S. Nikcevic, *Curvature homogeneous signature (2,2) manifolds*, *Differential geometry and its applications*, 29–44, *Matfyzpress*, Prague, 2005.
34. Peter Gilkey, Stana Nikcevic, *Generalized plane wave manifolds*, *Generalized plane wave manifolds*. Kragujevac *J. Math.* **28** (2005), 113–138.
35. Stanilov, G., Tsankov, Y., *A characterization of classical Riemannian manifolds by curvature operators*, *Journal of Geometry* **87** (1-2) (2007), pp. 150–159
36. M. Brozos-Vazquez, P. Gilkey, *The global geometry of Riemannian manifolds with commuting curvature operators*, *J. Fixed Point Theory Appl.* **1** (2007), no. 1, 87–96.
37. Calvino-Louzao, Esteban; Garcia-Rio, Eduardo; Vazquez-Lorenzo, Ramon *Four-dimensional Osserman-Ivanov-Petrova metrics of neutral signature* *Class.Quantum Grav.* **24** (2007), no. 9, 2343–2355.
38. Kowalski, Oldrich; Vlasek, Zdenek, *On 3D-Riemannian manifolds with prescribed Ricci eigenvalues*, *Complex, contact and symmetric manifolds*, 187–208, *Progr. Math.*, **234**, Birkhäuser Boston, Boston, MA, 2005.
39. Calvaruso, G., *Constructing metrics with prescribed geometry*, Loubeau, E. (ed.) et al., *Harmonic maps and differential geometry. A harmonic map fest in honour of John C. Wood's 60th birthday*, Cagliari, Italy, September 7–10, 2009. Providence, RI: American Mathematical Society (AMS) (ISBN 978-0-8218-4987-3/pbk). *Contemporary Mathematics* **542**, 177–185 (2011).
40. Kowalski, Oldrich; Sekizawa, Masami, *On Riemannian geometry of tangent sphere bundles with arbitrary constant radius*, *Arch. Math. (Brno)* **44** (2008), no. 5, 391–401.
41. Garcí'a-Ri'o, E., Badali, A.H., Vazquez-Lorenzo, R., *Lorentzian three-manifolds with special curvature operators* *Classical and Quantum Gravity* **25** (1) (2008), art. no. 015003
42. Calvaruso, G., *Three-dimensional Ivanov-Petrova manifolds*, *Journal of Mathematical Physics* **50** (6) (2009), art. no. 063509, DOI: 10.1063/1.3152607.
43. E. Calvino-Louzao, E. Garcia-Rio, P. Gilkey, R. Vazquez-Lorenzo, *The geometry of modified Riemannian extensions*, *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences* **465** (2107) (2009), pp. 2023–2040.
44. M. Brozos-Vazquez, P. Gilkey, S. Nikcevic, *Geometric realizations of curvature*, *Nihonkai Math. J.* **20** (2009), no. 1, 1–24.
45. Yulian Tsankov, Maria Stoeva, *Four-dimensional point-wise hypersurfaces of constant type*, *Math. and Education in Math*, *Proc. Thirtieth First Spring Conference of Union Bulgarian Mathematicians*, Borovets, April 3-6, 2002, 118–122.
46. M. Ivanova, *Characterization of Riemannian manifolds with Jacobi and Stanilov operators*, Thesis of Dissertation, Shumen University "Konstantin Preslavski 2014.
47. Giovanni Calvaruso, Eduardo Garcia-Rio, *Algebraic Properties of Curvature Operators in Lorentzian Manifolds with Large Isometry Groups*, *SIGMA* **6** (2010), 005.

48. Calvico-Louzao, E.; Garcia-Rio, E.; Vázquez-Lorenzo, R., *Riemann extensions of torsion-free connections with degenerate Ricci tensor*, *Canad. J. Math.* **62** (2010), no.5, 1037-1057
49. Miguel Brozos-Vázquez, Peter Gilkey, *Complex Osserman Kaehler Manifolds*, *Forum Mathematicum* <http://dx.doi.org/10.1515/FORM.2011.119>.
50. E. Calvino-Louzao, E. Garcia-Rio, P. Gilkey, R.Vázquez-Lorenzo, *Higher-dimensional Osserman metrics with non-nilpotent Jacobi operators*, *Geom. Dedicata* **156**, 151-163 (2012).
51. Peter Gilkey, Bronson Lim, *Projective affine Ossermann curvature models*, *Journal of Fixed Point Theory and Applications* December 2014, Volume 16, Issue 1, pp 243-258.
52. Nejmi Cengiz, Cigdem Inci Kuzu, *Curvature tensor in tangent bundles of semi-riemannian manifold*, *New Trends in Mathematical Sciences* 3(6) (2018), 168-173. DOI: 10.20852/ntmsci.2018.305
53. Mohamad Chaichi, *Curvature Models of Conformally Flat Walker (2,2)-Manifolds*, *International Journal of Geometric Methods in Modern Physics*, 2019, DOI: 10.1142/S0219887819300022
14. "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. *IF* - 0.776  
*цитированья* - 24.
1. Thomas Friedrich, **Dirac operators in Riemannian geometry**, Graduate Studies in Mathematics, vol. 23.
  2. Bertrand Morel, *The energy-momentum tensor as a second fundamental form*, arXiv:math/0302205.
  3. Bertrand Morel, *Tenseur d'impulsion-energie et geometrie spinorielle extrins'eque*, Thèse présentée pour obtention du titre de Docteur de Université Henri Poincaré, Nancy-I en Mathématiques, 2002. available at: <http://tel.archives-ouvertes.fr/docs/00/04/60/26/PDF/tel-00004381.pdf>
  4. Ginoux, N., **The Dirac Spectrum**, Book Series: Lecture Notes in Mathematics 1976, (2009) pp. 1-174
  5. Andrei Moroianu, Liviu Ornea, *Eigenvalue estimates for the Dirac operator and harmonic 1-forms of constant length*, *C. R.Math. Acad. Sci. Paris* **338** (2004), no. 7, 561-564.
  6. Bär, Christian; Dahl, Matthias, *The first Dirac eigenvalues on manifolds with positive scalar curvature*, *Proc.Amer. Math. Soc.* **132** (2004), no. 11, 3337-3344.
  7. Eui Chul Kim, *Lower bounds of the Dirac eigenvalues on compact Riemannian spin manifolds with locally product structure*, math.DG/0402427.
  8. Turtoi, A., *About the Dirac operator*, *Balkan Journal of Geometry and its Applications* **11** (1) (2006), pp. 121-130
  9. Ilka Agricola, Thomas Friedrich, Mario Kassuba, *Eigenvalue estimates for Dirac operators with parallel characteristic torsion*, *Differential Geom. Appl.* **26** (2008), no. 6, 613-624, math.DG/0612304.
  10. Nicolas Ginoux, Georges Habib, *Geometric aspects of transversal Killing spinors on Riemannian flows*, *Abh. Math. Semin. Univ. Hambg.* **78** (2008), no. 1, 69-90.
  11. Nicolas Ginoux, Georges Habib, *A spectral estimate for the Dirac operator on Riemannian flows*, *Central European Journal of Mathematics* **8** (2010) 950-965;
  12. WANG Yong, *Eigenvalue Estimate for Twisted Dirac Operators and Harmonic 1-form of Constant Length*, *Adv. Math. (China)* **40** (2011), no. 2, 200-204.
  13. K.-D. Kirchberg, *Lower bounds for the first eigenvalue of the Dirac operator on compact Riemannian manifolds*, *Differential Geometry and its Applications*, Volume 29, Issue 3, June 2011, Pages 374-387.
  14. Ilka Agricola, Julia Becker-Bender, Hwajeong Kim, *Twistorial eigenvalue estimates for generalized Dirac operators with torsion*, *Advances in Mathematics* **243**, (2013), pp. 296-329.
  15. Ionescu, Adrian Mihai; Slesar, Vladimir; Visinescu, Mihai; Vilcu, Gabriel Eduard, *Transversal Killing and twistor spinors associated to the basic Dirac operators*, *Rev. Math. Phys.* **25** (2013), no. 8, 1330011, 21 pp.
  16. V. Slesar, *On the Dirac spectrum of Riemannian foliations admitting a basic parallel 1-form*, *J. Geom. Phys.* **62** (2012), 804-813.
  17. Nicolas Ginoux, *Analysis on Kähler and Lorentzian manifolds*, Habilitationsschrift vorgelegt an der Fakultät für Mathematik der Universität Regensburg, Thesis, May 2014, DOI: 10.13140/RG.2.1.1730.8008.

18. Yongfa Chen, *Twistor spinors and quasi-twistor spinors*, Chinese Annals of Mathematics, Series B May 2016, Volume 37, Issue 3, pp 451-464.
19. Fida El Chami, Nicolas Ginoux, Georges Habib, Roger Nakad, *Rigidity results for spin manifolds with foliated boundary*, Journal of Geometry, pp 1-23 First online: 25 July 2015, DOI 10.1007/s00022-015-0286-y.
20. Yongfa Chen, *The Dirac operator on manifold admitting parallel one-form*, Journal of Geometry and Physics 117 (2017), 214-221, DOI:10.1016/j.geomphys.2017.04.001.
21. 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>.
22. Yongfa Chen, *Lower bounds for the eigenvalue estimates of the submanifold Dirac operator*, May 2021, Mathematische Zeitschrift, DOI: 10.1007/s00209-021-02752-4,
23. 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.
24. 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](https://www.researchgate.net/publication/371173933_Twisted_J-twist_Dirac_Operators_and_the_Noncommutative_Residue/references)
15. "Hermitian structures on twistor spaces (with V. Apostolov and G. Grantcharov), *Annals of Global Analysis and Geometry*, 16 (1998), 291-308. *IF - 0.542*  
*цитирования - 12.*
1. E. Abbena, S. Garbiero, S. Salamon, *Almost Hermitian Geometry on Six Dimensional Nil manifolds*, Ann. Sc. Norm. Sup. **30** (2001), 147-170.
  2. W. Jelonek, *Positive twistor bundle of a Kähler surface*, Ann. Glob. Anal. Geom. **22** (2002), 119-133.
  3. S. M. Salamon, *Hermitian geometry. Invitations to geometry and topology*. Oxf. Grad. Texts Math., 7(2002), Oxford Univ. Press, 233-291.
  4. Vezzoni, L., *Abelian complex structures on 2-step nilmanifolds and flat connections*, AIP Conference Proceedings Volume 1360, 2011, Pages 113-118 19th International Fall Workshop on Geometry and Physics; Porto; Portugal; 6 September 2010 through 9 September 2010.
  5. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
  6. Ilka Agricola, Simon G. Chiossi, Thomas Friedrich, Jos Höll, *Spinorial description of SU(3)- and G<sub>2</sub>-manifolds*, Journal of Geometry and Physics, **98** (2015), 535-555.
  7. Anna Fino, Alberto Raffero, *Coupled SU(3)-structures and Supersymmetry*, Symmetry 2015, 7(2), 625-650; doi:10.3390/sym7020625
  8. Vitaly V. Balashchenko, *Invariant f-structures in the generalized Hermitian geometry*, arXiv:math/0503533.
  9. G. Deschamps, E. Loubeau, *Hypersurfaces of nearly Kähler twistor spaces  $\mathbb{C}P^3$  and  $\mathbb{F}_{1,2}$* , Tohoku Mathematical Journal (2021) 73 (4) DOI: 10.2748/tmj.20200930.
  10. 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.
  11. 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>.
  12. Giovanni Catino, Davide Dameno, Paolo Mastrolia, *On Riemannian 4-manifolds and their twistor spaces: A moving frame approach*, October 2024 Mathematische Nachrichten DOI: 10.1002/mana.202300577.
16. "Einstein-Weyl structures on certain compact conformal manifolds *Quarterly Journal of Mathematics Oxford* (2), 50 (1999), 457-462. *0.426.*  
*цитирования - 11.*
1. D.M.J. Calderbank, H. Pedersen, *Einstein-Weyl geometry*, J DIFFER GEOM 387-423 Suppl. 6 1999, in Volume VI, *Surveys in Differential Geometry: Essays on Einstein Manifolds, suppl. to the Journal of Differential Geometry* eds. C. LeBrun, M. Wang (International Press).

2. Narita, Fumio, *Weyl space forms and their sub manifolds*, Colloq. Math. **89** (2001), no. 1, 117–131.
  3. Rod Gover, Paul-Andi Nagy, *Four dimensional conformal C-spaces*, Q. J. Math. **58** (2007), no. 4, 443–462.
  4. Cyriaque Atindogbe, Lionel Berard-Bergery, *A note on conformal connections on light like hypersurfaces*, Conformal Geometry and Dynamics **11** (10/01/2007) 1-11.
  5. Cyriaque Atindogbe, Lionel Berard Bergery, *Einstein-Weyl structures on light like hypersurfaces*, arXiv:0704.3383.
  6. Fortune Massamba, *Symmetries of Null Geometry in Indefinite Kenmotsu Manifolds*, Mediterr. J. Math. **6** (2010) 139-150 DOI 10.1007/s00009-012-0205-5, 2012 Springer Basel AG.
  7. Cyriaque Atindogbe, Lionel Berard Bergery, Ogouyandjou, Carlos, *Einstein-Weyl structures on light like hypersurfaces*, Cent. Eur. J. Math. **11**, No. 10, 1850-1862 (2013).
  8. Fortune Massamba, *A Conformal Connection on Null Hypersurfaces of Indefinite Kenmotsu Manifolds*, Bull. Malaysian Math. Sciences Society, pp 1-17, First online: 02 July 2015.
  9. Fortune Massamba, *Almost Weyl structures on null geometry in indefinite Kenmotsu manifolds*, Mathematica Slovaca 2016, DOI: <https://doi.org/10.1515/ms-2016-0235>
  10. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds <https://doi.org/10.1515/coma-2022-0150>, arXiv:2205.03452.
  11. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
- 17. "Dirac operators on Hermitian spin surfaces"(with B.Alexandrov), Annals of Global Analysis and Geometry, 18 (2000), 529-539. 0.509.**  
*цитирания - 5.*
1. Thomas Friedrich, **Dirac operators in Riemannian geometry**, Graduate Studies in Mathematics, vol. 23.
  2. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) **42** (2006), suppl.,5–84.
  3. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  4. Ilka Agricola, Thomas Friedrich, Mario Kassuba, *Eigenvalue estimates for Dirac operators with parallel characteristic torsion*, Differential Geom. Appl. **26** (2008),no. 6, 613–624.
  5. Ilka Agricola, Julia Becker-Bender, Hwajeong Kim, *Twistorial eigenvalue estimates for generalized Dirac operators with torsion*, Advances in Mathematics **243**, (2013), pp. 296-329.
- 18. "Orthogonal complex structures on certain Riemannian6-manifolds (with V. Apostolov and G. Grantcharov), Diff.Geom. Appl., 11 (1999) 279–296. IF - 0.258.**  
*цитирания - 4.*
1. Simon Chiossi, Simon Salamon, *The intrinsic torsion of SU(3) and G<sub>2</sub> structures*, Differential geometry, Valencia, 2001,115–133, World Sci., Publishing, River Edge, NJ, 2002,math.DG/0202282.
  2. Salamon, Simon, *Complex structures and conformal geometry* Boll. Unione Mat. Ital. (9) **2** (2009),no. 1, 199–224.
  3. Vitaly V. Balashchenko, *Invariant f-structures in the generalized Hermitian geometry*, arXiv:math/0503533.
  4. Kamil Cwilinski, Luc Vrancken, *Almost complex surfaces in the nearly Kaehler flag manifold*, Results Math **77**, 134 (2022). <https://doi.org/10.1007/s00025-022-01670-z>.
- 19. "Holomorphic and Killing vector fields on compact balanced Hermitian manifolds (with G.Ganchev), Int. J. Math., 11 (2000), 15-28. IF - 0.591.**  
*цитирания - 5.*
1. Medori, Costantino; Tomassini, Adriano, *Holomorphic isometries of twistor spaces*, J. Geom. Phys. **42** (2002), no. 1-2, 19–27.

2. Xiaokui Yang. 2012. *Positivity and Vanishing Theorems in Complex and Algebraic Geometry*, Ph.D. Dissertation. University of California at Los Angeles, Los Angeles, CA, USA. Advisor(s) Kefeng Liu. AAI3511350.
  3. Kefeng Liu, Xiaokui Yang, *Geometry of Hermitian manifolds*, Int. J. Math. **23**, No. 6 (2012) 1250055 (40 pages).
  4. Kefeng Liu, Xiaokui Yang, *Ricci curvatures on Hermitian manifolds*, Trans. Amer. Math. Soc. 369 (2017), no. 7, 5157-5196. DOI: <https://doi.org/10.1090/tran/7000> Published electronically: March 17, 2017
  5. Elia Fusi, Federico Giusti, *Blowing up Chern-Ricci flat balanced metrics*, Journal de Mathematiques Pures et Appliquees 197(104470):103691 DOI: 10.1016/j.matpur.2025.103691
- 20. "Harmonic and holomorphic 1-forms on compact balanced Hermitian manifold"(with G.Ganchev), Diff. Geom. Appl.,14 (1) (2001), 79-93. IF - 0.375**  
*цитираниа - 6.*
1. I. Dotti, A.Fino, *Hyperkähler torsion structure invariant by Nilpotent Lie groups*, Class. Quantum Grav. **19**(2002), 551-562.
  2. Stepanov, S. E., *Vanishing theorems in affine, Riemann, and Lorentz geometries*(Russian) Fundam. Prikl. Mat. 11 (2005),no. 1, 35–84; translation in J. Math. Sci. (N. Y.) 141 (2007), no. 1,929–964.
  3. Xiaokui Yang. 2012. *Positivity and Vanishing Theorems in Complex and Algebraic Geometry*, Ph.D. Dissertation. University of California at Los Angeles, Los Angeles, CA, USA. Advisor(s) Kefeng Liu. AAI3511350.
  4. Kefeng Liu, Xiaokui Yang, *Geometry of Hermitian manifolds*, Int. J. Math. **23**, No. 6 (2012) 1250055 (40 pages).
  5. Kefeng Liu, Xiaokui Yang, *Ricci curvatures on Hermitian manifolds*, Trans. Amer. Math. Soc. 369 (2017), no. 7, 5157-5196. DOI: <https://doi.org/10.1090/tran/7000> Published electronically: March 17, 2017
  6. *Balanced Twisted Product Hermitian Manifold* January 2023,Pure Mathematics 13(10):2908-2915, DOI: 10.12677/PM.2023.1310297.
- 21. "Vanishing theorems on Hermitian manifolds (with B.Alexandrov), Diff. Geom. Appl., 14 (3) (2001),251-265. IF - 0.375**  
*цитираниа - 108.*
1. G.Papadopoulos, *Brane Solitons and Hypercomplex structures*, Contribution to the Proceedings of the second meeting on "Quaternionic Structures in Mathematics and Physics math.DG/0003024
  2. George Papadopoulos, *KT and HKT Geometries in Strings and in Black Hole Moduli Spaces*, hep-th/0201111, Contribution to the Proceedings of the Bonn workshop on "Special Geometric Structures in String Theory
  3. Anna Fino, Maurizio Parton, Simon Salamon, *Families of strong KT structures in six dimensions*, Comment. Math. Helv. **79** (2004), no. 2, 317–340.
  4. D.Grantcharov, G.Grantcharov, Y.S.Poon, *Calabi-Yau Connections with Torsion on Toric Bundles*, J. Differential Geom. **78** (2008), no. 1, 13-32.
  5. G.L. Cardoso, G. Gurio, G. Dall'Agata, D. Lüst, *BPS Action and Superpotential for Heterotic Strings Compactifications with Fluxes*, JHEP 0310 (2003) 004, hep-th/0306088.
  6. Simon Chiossi, Andrew Swann,  *$G_2$ -structures with torsion from half-flat-integrable nil manifolds*, J. Geom. Phys.54 (2005), no. 3, 262–285.
  7. A Fino, A Tomassini, *Solvmanifolds and Generalized Kähler Structures*, Note di Matematica Note Mat.8 1 (2008), suppl. n. 1, 169-190.
  8. Luis Ugarte, *Hermitian structures on six dimensional nilmanifolds*, Transform. Groups **12** (2007), no. 1,175–202.
  9. Anna Fino, Adriano Tomassini, *On astheno-Kaehler metrics*, J. Lond. Math. Soc. (2) **83** (2011), no. 2,290–308.
  10. Anna Fino, Adriano Tomassini, *Blow-ups and resolutions of strong Kähler with torsion metrics*, Adv. Math. **221** (2009),no. 3, 914–935.

11. Fino A, Tomassini A., *Asthenic-Kähler and strong KT metrics*, Etayo, Fernando (ed.) et al., Geometry and physics. XVII international fall workshop on geometry and physics, Castro Urdiales, Spain, 3–6 September 2008. Melville, NY: American Institute of Physics (AIP) (ISBN 978-0-7354-0666-7/pbk). AIP Conference Proceedings 1130, 152-158 (2009).
12. Fino A, Tomassini A., *A survey on strong KT structures*, Bulletin Mathématique de la Société des Sciences mathématiques de Roumanie, Volume: 52 Issue: 2 Pages: 99-116 Published: 2009.
13. Misha Verbitsky, *Balanced HKT metrics and strong HKT metrics on hypercomplex manifolds*, Math. Res. Lett. 16 (2009), no. 4, 735–752, arXiv:0808.3218
14. Ana Ferreira, *Riemannian geometry with skew torsion*, St Cross College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy Hilary Term 2010.
15. Nicola Enrietti, Anna Fino, Luigi Vezzoni, *Tamed Symplectic forms and SKT metrics*, J.Simpl. Geom., 10 (2012), no. 2, 203-223.
16. Nicola Enrietti, *Static SKT metrics on Lie groups*, Manuscripta Mathematica vol. 140 (3-4) , pp. 557-571.
17. Kefeng Liu, Xiaokui Yang, *Geometry of Hermitian manifolds*, Int. J. Math. **23**, No. 6 (2012) 1250055 (40 pages).
18. Anna Fino, Luis Ugarte, *On generalized Gauduchon metrics*, Proc. Edinb. Math. Soc. (2) 56 (2013), no. 3, 733-753.
19. Xiaokui Yang. 2012. *Positivity and Vanishing Theorems in Complex and Algebraic Geometry*, Ph.D. Dissertation. University of California at Los Angeles, Los Angeles, CA, USA. Advisor(s) Kefeng Liu. AAI3511350.
20. Daniele Angella, **Cohomological Aspects in Complex Non-Kähler Geometry**, Lecture Notes in Mathematics Volume 2095, 2014, pp 262.
21. Thomas Bruun Madsen, *Torsion geometry and scalar functions*, PH.D Thesys, Department of Mathematics and Computer Science University of Southern Denmark, August 2011. **[15]**  
<http://www.mth.kcl.ac.uk/tbmadsen/PhD.pdf>
22. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
23. D. Angella, M.G. Franzini, F.A. Rossi, *Degree of non-Kählerianity for 6-dimensional nilmanifolds*, Manuscripta Math. 148 (2015), no. 1-2, 177-211.
24. Lucio Bedulli, Luigi Vezzoni, *A parabolic flow of balanced metrics*, J. Reine Angew. Math. 723 (2017), 79-99.
25. Valentino Tosatti, *Non-Kähler Calabi-Yau manifolds*, Analysis, complex geometry, and mathematical physics: in honor of Duong H. Phong, 261-277, Contemp. Math., 644, Amer. Math. Soc., Providence, RI, 2015.
26. Jeff Streets, Gang Tian, *Regularity results for pluriclosed flow*, Geometry & Topology 17 (2013) 2389-2429.
27. Kefeng Liu, Xiaokui Yang, *Ricci curvatures on Hermitian manifolds*, Trans. Amer. Math. Soc. 369 (2017), no. 7, 5157-5196. DOI: <https://doi.org/10.1090/tran/7000> Published electronically: March 17, 2017
28. Xenia de la Ossa, Eirik E. Svanes, *Holomorphic Bundles and the Moduli Space of  $N=1$  Heterotic Compactifications*, J. High Energy Phys. 2014, no. 10, 123, front matter+54 pp.
29. Shengda Hu, *On generalized Kähler geometry on compact Lie groups*, arXiv:1501.00754.
30. Nikolay Yaremenco, *Derivation of Field Equations in Space with the Geometric Structure Generated by Metric and Torsion*, Journal of Gravity, Volume 2014 (2014), Article ID 420123, 13 pages <http://dx.doi.org/10.1155/2014/420123>.
31. Anna Fino, Luigi Vezzoni, *Special Hermitian metrics on compact solvmanifolds*, Journal of Geometry and Physics Volume 91, May 2015, Pages 40-53, Conformal and Complex Geometry in Honour of Paul Gauduchon
32. Daniele Angella, Luis Ugarte, *Locally conformal Hermitian metrics on complex non-Kähler manifolds*, Mediterranean Journal of Mathematics (2015), pp 1-41.
33. Anna Fino, Luigi Vezzoni, *On the existence of balanced and SKT metrics on nilmanifolds*, Proc. American Math. Soc. (PAMS) **144** (2016), 2455-2459.

34. Nikolay Yaremko, *Geometric Structure together Generated by Metric and Torsion*, Proc. Intern. Geom. Center 2013 6(4) 22-33.
35. Nikolay Yaremko, *The space generated by metric and torsion tensors, derivation of Einstein-Hilbert equation*, Proc. Intern. Geom. Center 2014 2(7) 51-77, DOI 10.15673/2072-9812.2/2014.29622.
36. Jeffrey Streets, *Geometric flows in complex geometry*, Notes for lectures delivered at the Hefei Advanced School on PDEs in Geometry and Physics June30th-July 11th 2014. available at <http://indico.ictp.it/event/a13245/material/0/2.pdf>
37. Eirik Eik Svanes, *Moduli in General SU(3)-Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.
38. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
39. Qingsong Wang, Bo Yang, Fangyang Zheng, *On Bismut Flat Manifolds*, On Bismut flat manifolds. Trans. Amer. Math. Soc. 373 (2020), no. 8, 5747-5772.
40. Adela Latorre, *Geometry of nilmanifolds with invariant complex structures*, Ph. D Thesis, Universidad Zaragoza, 2016.
41. Adela Latorre, Luis Ugarte, *On non-Kähler compact complex manifolds with balanced and astheno-Kähler metrics*, Comptes Rendus Mathématique Volume 355, Issue 1, January 2017, Pages 90-93.
42. 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>.
43. Vestislav Apostolov, Jeffrey Streets, *The nondegenerate generalized Kähler Calabi-Yau problem*, J. Reine Angew. Math. 777, 1-48 (2021).
44. Otal A., Ugarte L., Villacampa R. (2017) *Hermitian Metrics on Compact Complex Manifolds and Their Deformation Limits* In: Chiossi S., Fino A., Musso E., Podesta F., Vezzoni L. (eds) Special Metrics and Group Actions in Geometry. Springer INdAM Series, vol 23. Springer, Cham, pp. 269-290.
45. Anna Fino, Gueo Grantcharov, Luigi Vezzoni, *Astheno-Kähler and balanced structures on fibrations*, International Mathematics Research Notices 2019(22), DOI: 10.1093/imrn/rnx337
46. Daniele Angella, Antonio Otal, Luis Ugarte, Raquel Villacampa, *On Gauduchon connections with Kähler-like curvature*, Comm. Anal. Geom. 30 (2022), no. 5, 961-1006.
47. 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](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)
48. 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.
49. 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.
50. Fangyang Zheng, *Some recent progress in non-Kähler geometry*, May 2019 Science China Mathematics, DOI: 10.1007/s11425-019-9528-1
51. Michael Bailey, Gil R. Cavalcanti, Joey van der Leer Duran, *A neighbourhood theorem for submanifolds in generalized complex geometry*, arXiv:1906.12069.
52. Daniele Angella, Nicolina Istrati, Alexandra Otman, Nicoletta Tardini, *Variational problems in conformal geometry*, March 2020, Journal of Geometric Analysis DOI: 10.1007/s12220-020-00392-4
53. 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.
54. Y. Wang, *Toric generalized Kähler structures. III*, Journal of Geometry and Physics Volume 151, May 2020, 103634, <https://doi.org/10.1016/j.geomphys.2020.103634>
55. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020, Mathematische Zeitschrift DOI: 10.1007/s00209-020-02598-2.

56. 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.
57. 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.
58. 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
59. 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.
60. 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.
61. 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,
62. Federico Giusti, Fabio Podesta, *Real semisimple Lie groups and balanced metrics*, Revista Matemática Iberoamericana 39(2023), no.2, 711-729, DOI: 10.4171/RMI/1391.
63. 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.
64. Quanting Zhao, Fangyang Zheng, *On Gauduchon Kähler-like manifolds*, April 2022, Journal of Geometric Analysis 32 (4) , DOI: 10.1007/s12220-022-00868-5.
65. 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.
66. Shuwen Chen, Fangyang Zheng, *On Strominger space forms*, April 2022, Journal of Geometric Analysis 32(4), DOI: 10.1007/s12220-022-00882-7.
67. 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.
68. 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.
69. A. Andrada, R. Villacampa, *Bismut connection on Vaisman manifolds*, Mathematische Zeitschrift 302 (2022), no. 2, 1091-1126. DOI: 10.1007/s00209-022-03108-2.
70. 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.
71. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, Complex Manifolds <https://doi.org/10.1515/coma-2022-0150>, arXiv:2205.03452.
72. 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.
73. Daniele Angella, Vincent Guedj, Chinh H. Lu, *Plurisigned hermitian metrics*, arXiv:2207.04705.
74. Latorre, A, Ugarte, L, Villacampa, R, *Frölicher spectral sequence of compact complex manifolds with special Hermitian metrics*, September 2024 Annals of Global Analysis and Geometry 66(3):14 DOI: 10.1007/s10455-024-09972-x.
75. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kahler Geometry**, arXiv:2208.07188.
76. 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>.
77. 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.
78. 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.
79. Federico Giusti, Cristiano Spotti, *A Kummer construction for Chern-Ricci flat balanced manifolds*, October 2024, Mathematische Zeitschrift 308(4) DOI: 10.1007/s00209-024-03597-3,



80. Hisashi Kasuya, Jonas Stelzig, *Resolutions of cyclic quotient singularities and some complex non-Kähler manifolds*, arXiv:2303.03641.
81. Quanting Zhao, Fangyang Zheng, *Bismut Kähler-like manifolds of dimension 4 and 5*, arXiv:2303.09267.
82. 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.
83. Yanan Ye, *Bismut Einstein metrics on compact complex manifolds*, March 2025, Journal of Functional Analysis 288(6):110805 DOI: 10.1016/j.jfa.2024.110805.
84. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni, *The parabolic quaternionic Calabi-Yau equation on hyperKähler manifolds*, Revista Matemática Iberoamericana 40(6), pp. 2291–2310. DOI: 10.4171/rmi/1499.
85. Giuseppe Barbaro, *Bismut Hermitian Einstein metrics and the stability of the pluriclosed flow*, arXiv:2307.10207.
86. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
87. 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>.
88. Kexiang Cao, Fangyang Zheng, *Fino-Vezzoni conjecture on Lie algebras with abelian ideals of codimension two*, arXiv:2311.09906.
89. Beatrice Brienza, Anna Fino, Gueo Grantcharov, *CYT and SKT manifolds with parallel Bismut torsion*, November 2024, Proceedings of the Royal Society of Edinburgh Section A Mathematics DOI: 10.1017/prm.2024.115arXiv:2401.07800.
90. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
91. Yulu Li, Fangyang Zheng, *Fino-Vezzoni conjecture in Hermitian geometry*, Scientia Sinica Mathematica (2024), vol. 54, 1-13,. DOI: 10.1360/SSM-2023-0048.
92. 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.
93. Xilun Li, Yanan Ye, *On the shrinking solitons of generalized Ricci flow*, arXiv:2404.06141.
94. MR Jahnke, NB Rodrigues, *A class of globally analytic hypoelliptic operators on compact Lie groups*, arXiv:2404.01772.
95. Federico Giusti, *Some constructions for canonical non-Kähler metrics*, Thesis presented for the degree of Doctor of Philosophy at Aarhus University, 2024.
96. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
97. Ettore Lo Giudice, Adriano Tomassini, *p-symplectic and p-pluriclosed structures on solvmanifolds*, arXiv:2407.11526.
98. Anna Fino, *Canonical metrics in complex geometry*, Bollettino dell'Unione Matematica Italiana (2024) DOI: 10.1007/s40574-024-00421-y.
99. Liviu Ornea, Misha Verbitsky, *Balanced metrics and Gauduchon cone of locally conformally Kähler manifolds*, International Mathematics Research Notices 2025(3) DOI: 10.1093/imrn/rnaf014arXiv:2407.04623.
100. Gueo Grantcharov, Anna Fino, *A survey on pluriclosed and CYT metrics*, Aug 2024, Serdica Mathematical Journal 50(2) DOI: 10.55630/serdica.2024.50.103-124.
101. Yuqin Guo, Fangyang Zheng, *Streets-Tian Conjecture on several special types of Hermitian manifolds*, arXiv:2409.09425.
102. Shuwen Chen, Fangyang Zheng, *Streets-Tian Conjecture holds for 2-step solvmanifolds*, December 2024 Journal of Geometry and Physics 209(5):105390 DOI: 10.1016/j.geomphys.2024.105390.
103. Elia Fusi, Federico Giusti, *Blowing up Chern-Ricci flat balanced metrics*, Journal de Mathématiques Pures et Appliquées 197(104470):103691 DOI: 10.1016/j.matpur.2025.103691
104. Xin Huang, Fangyang Zheng, *On solvmanifolds with complex commutator and constant holomorphic sectional curvature*, DOI: 10.48550/arXiv.2501.00810.

105. Shuwen Chen, Fangyang Zheng, *Canonical metric connections with constant holomorphic sectional curvature*, arXiv:2501.03032 v.2
106. Elia Fusi, *Some developments in balanced and SKT Geometry*, Doctoral dissertation, Politecnico di Torino 2024  
<https://tesidottorato.depositolegale.it/bitstream/20.500.14242/190211/1/Tesi%20Elia%20Fusi%20modificata.pdf>
107. X. Huang, F. Zheng, *On solvmanifolds with stable commutator and constant holomorphic sectional curvature*, International Journal of Mathematics, 2025, doi: 10.1142/S0129167X25500065
108. Shuwen Chen, Fangyang Zheng, *On Hermitian manifolds with constant mixed curvature*, arXiv:2503.12432
- 22. "The Dolbeault operator on Hermitian spin surfaces (with B. Alexandrov and G. Grantcharov), Annales de l'institut Fourier 51 1 (2001), 221-235. IF - 0.517**  
*цитирования - 7.*
1. Thomas Friedrich, **Dirac operators in Riemannian geometry**, Graduate Studies in Mathematics, vol. 23.
  2. Ginoux, N., **The Dirac Spectrum**, Book Series: Lecture Notes in Mathematics 1976, (2009) pp. 1-174
  3. G.Papadopoulos, *Brane Solitons and Hypercomplex structures*, Contribution to the Proceedings of the second meeting on "Quaternionic Structures in Mathematics and Physics math.DG/0003024
  4. Ornea, Liviu, *Locally conformally Kähler manifolds. A selection of results*, Lecture notes of Seminario Interdisciplinare di Matematica. **Vol. IV**, 121–152, Lect. Notes Semin. Interdiscip. Mat., IV, S.I.M. Dep. Mat. Univ.Basilicata, Potenza, 2005.
  5. Lopez Amorox, Antonio; Tejero Prieto, Carlos, *Holomorphic spectrum of twisted Dirac operators on compact Riemann surfaces*, J. Geom. Phys. **56** (2006), no. 10, 2069–2091.
  6. Ilka Agricola, Thomas Friedrich, Mario Kassuba, *Eigenvalue estimates for Dirac operators with parallel characteristic torsion*, Differential Geom. Appl. (2008), no. 6, 613–624, math.DG/0612304.
  7. Jardim, Marcos; Leao, Rafael F., *On the spectrum of the twisted Dolbeault Laplacian over Kähler manifolds*, Diff.Geom. Appl. **27** (2009), no. 3, 412–419.
- 23. "A no-go theorem for string warped compactification (with G.Papadopoulos), Phys. Lett. B 497 (2001) 309-316. IF - 4.377**  
*цитирования - 73.*
1. N.S. Deger, A. Kaya, *AdS/CFT and Randall-Sundrum Model Without a Brane*, JHEP 0105 (2001) 030, hep-th/0010141
  2. Alex Buchel, Andrew Frey, *Comments on supergravity dual of pure N=1 Super Yang Mills theory with unbroken chiral symmetry*, Phys.Rev. **D64** (2001)064007; hep-th/0103022.
  3. Mariana Grana, Joseph Polchinski, *Gauge/Gravity Duals with Holomorphic Dilaton*, Phys.Rev. **D65** (2002) 126005; hep-th/0106014.
  4. Jerome P. Gauntlett, Dario Martelli, Stathis Pakis, Daniel Waldram, *G-Structures and Wrapped NS5-Branes*, Commun. Math. Phys. **247** (2004), 421-445. hep-th/0205050.
  5. Katrin Becker, Keshav Dasgupta, *Heterotic Strings with Torsion*, JHEP 0211 (2002) 006, hep-th/0209077.
  6. Sebastien Gurrieri, Jan Louis, Andrei Micu, Daniel Waldram, *Mirror Symmetry in Generalized Calabi-Yau Compactifications*, Nucl.Phys. **B654** (2003) 61-113, hep-th/0211102.
  7. G. L. Cardoso, G. Curio, G. Dall'Agata, D. Lust, P.Manousselis, G. Zoupanos, *Non-Kaehler String Backgrounds and their Five Torsion Classes*, Nucl.Phys. **B652** (2003) 5-34, hep-th/0211118.
  8. Jerome P. Gauntlett, Stathis Pakis, *The Geometry of D=11 Killing Spinors*, JHEP 0304 039 (2003).
  9. Edward Goldstein, Sergey Prokushkin, *Geometric Model for Complex Non-Kaehler Manifolds with SU(3) Structure*, Commun.Math. Phys. **251** (2004) 65-78, hep-th/0212307.
  10. Jerome P. Gauntlett, Dario Martelli, Daniel Waldram, *Superstrings with Intrinsic Torsion*, Phys. Rev. **D69**(2004) 086002.
  11. Misha Verbitsky, *Vanishing theorems for locally conformal hyper kaehler manifolds*, Tr. Mat. Inst. Steklova 246 (2004), Algebr. Geom.Metody, Svyazi i Prilozh., 64–91; translation in Proc. Steklov Inst. Math. 2004, no. 3 (246), 54–78, math.DG/0302219,

12. A. Fino, G. Grantcharov, *Properties of manifolds with skew-symmetric torsion and special holonomy*, Adv. Math. **189** (2004), no. 2, 439–450.
13. Mu"ck, Wolfgang, *Perturbative and non-perturbative aspects of pure  $N=1$  super Yang-Mills theory from wrapped branes*, JHEP 0302013 (2003).
14. Berg, Marcus; Haack, Michael; Kors, Boris, *An Orientifold with Fluxes and Branes via T-duality*, Nuclear Physics **B 669**(2003), 3-56.
15. Katrin Becker, Melanie Becker, Keshav Dasgupta, Paul S.Green, *Compactifications of Heterotic Theory on Non-Kahler Complex Manifolds: I*, JHEP 0304 (2003) 007.
16. Katrin Becker, Melanie Becker, Keshav Dasgupta, Paul S.Green, Eric Sharpe, *Compactifications of Heterotic Strings on Non-Kahler Complex Manifolds: II*, Nucl. Phys. **B678** (2004),19-100.
17. Schulz, Michael B., *Superstring Orientifolds with Torsion: O5 Orientifolds of Torus Fibrations and their Massless Spectra*, Fortschritte der Physik 52 963 (2004).
18. Frey, Andrew R.; Grana, Mariana, *Type IIB Solutions with Interpolating Supersymmetries* Physical Review **D 68**106002 (2003).
19. G.L. Cardoso, G. Gurio, G. Dall'Agata, D. Lüst, *BPS Action and Superpotential for Heterotic Strings Compactifications with Fluxes*, JHEP 0310 (2003) 004, hep-th/0306088.
20. Melanie Becker, Keshav Dasgupta, *Kähler versus Non-Kähler Compactifications*, to appear in the QTS3 proceedings, hep-th/0312221.
21. Behrndt, Klaus; Cvetič, Mirjam, *General  $N = 1$  Supersymmetric Fluxes in Massive Type IIA String Theory*, Nuclear Physics **B 708** (2005), 45-71.
22. Anton Kapustin, Yi Li, *Topological sigma-models with H-flux and twisted generalized complex manifolds*, Adv. Theor.Math. Phys. **11** (2007), no. 2, 261–290, hep-th/0407249.
23. Paulo Pires Pacheco, *G-STRUCTURES AND DUALITY*, Theoretical Physics, Imperial College London A thesis presented for the degree of Doctor of Philosophy of the University of London and for the Diploma of Imperial College London September 2007  
<https://inspirehep.net/files/e032082924f98f79f1115c57beabdf95>
24. Gurrieri, Sebastien,  *$N=2$  and  $N=4$  supergravities as compactifications from string theories in 10 dimensions*, Ph.D Theses de l'Universite de la Mediterranee, hep-th/0408044.
25. Gurrieri, S., *Compactifications on half-flat manifolds*, Fortschritte der Physik **53** (3) (2005), pp. 278-336.
26. Grana, Mariana, *Flux compactifications in string theory: a comprehensive review*, Phys. Rept. **423** (2006),91-158, hep-th/0509003.
27. Gran a, M., *Flux compactifications and generalized geometries*, Classical and Quantum Gravity **23** (21), art. no. S02, (2006), pp. S883-S926.
28. Haack, M., *Calabi-Yau fourfold compactifications in string theory*, Fortschritte der Physik **50** (1) (2002).
29. Katrin Becker, Li-Sheng Tseng, *Heterotic Flux Compactifications and Their Moduli*, Nucl.Phys. **B741** (2006) 162-179, hep-th/0509131.
30. Melanie Becker, Keshav Dasgupta, Sheldon Katz, Anke Knauf, Radu Tatar, *Geometric Transitions, Flops and Non-Kähler Manifolds: II*, Nucl.Phys. **B738** (2006) 124-183, hep-th/0511099.
31. Keshav Dasgupta, Josh Guffin, Rhiannon Gwyn, Sheldon Katz, *Dipole-Deformed Bound States and Heterotic Kodaira Surfaces*, Nuclear Physics **B 769** 1 (2007), hep-th/0610001.
32. Blumenhagen, Ralph; Kors, Boris; Lust, Dieter et al, *Four-dimensional String Compactifications with D-Branes, Orientifolds and Fluxes*, arXiv.org:hep-th/0610327, Phys. Rept. **445** (2007), no. 1-6, 1–193
33. Gillard, Joe, *Spinorial Geometry and Supergravity*, Ph.D, PhD thesis, 120 pages; King's College London, arXiv.org:hep-th/0608139.
34. Iman Benmachiche, *Heterotic and type II orientifold compactifications on  $SU(3)$  structure manifolds*, Dissertation zur Erlangung des Doktorgrades des Departments für Physik der Universität Hamburg, 2006.
35. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
36. Chialva, D., Danielsson, U.H., Johansson, N., Larfors, M., Vonk, M., *Deforming, revolving and resolving - New paths in the string theory landscape*, Journal of High Energy Physics 2008 (2)

37. Keshav Dasgupta, Hassan Firouzjahi, Rhiannon Gwyn, *On The Warped Heterotic Axion*, Journal of High Energy Physics 2008 (6)
38. Tetsuji Kimura, Piljin Yi, *Comments on Heterotic Flux Compactifications*, JHEP 0607 (2006) 030
39. Tetsuji Kimura, *Index Theorems on Torsional Geometries*, JHEP 0708:048,2007
40. Kim, Seok; Yi, Piljin, *A Heterotic Flux Background and Calibrated Five-Branes*, JHEP 0611:040 (2006)
41. Anna Fino, Adriano Tomassini, *On astheno-Kaehler metrics*, J. Lond. Math. Soc. (2) **83** (2011), no. 2, 290-308,
42. Luca Carlevaro, Dan Israel, Marios Petropoulos, *Double-Scaling Limit of Heterotic Bundles and Dynamical Deformation in CFT*, Nuclear Physics B **827** (3), (2010), pp. 503-544;
43. Hu, S., Hu, Z., Zhang, R., *Generalized ricci flow and supergravity vacuum solutions*, International Journal of Modern Physics A **25** (12), (2010), pp. 2535-2549.
44. Chen, Fang; Dasgupta, Keshav; Franche, Paul; Katz, Sheldon;Tatar, Radu; *Supersymmetric Configurations, GeometricT ransitions and New Non-Kahler Manifolds*, Nuclear Physics B 852 (3), (2011)pp. 553-591.
45. Fang Chen, Keshav Dasgupta, Paul Franche, Radu Tatar, *Toward the Gravity Dual of Heterotic Small Instantons*, Phys.Rev.D83:046006, 2011
46. Dario Martelli, James Sparks, *Non-Kahler heterotic rotations*, Adv. Theor. Math. Phys. 15 (2011) 131-174,
47. Xenia de la Ossa, Eirik E. Svanes, *Holomorphic Bundles and the Moduli Space of  $N=1$  Heterotic Compactifications*, J. High Energy Phys. 2014, no. 10, 123, front matter+54 pp.
48. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *Exploring  $SU(3)$  Structure Moduli Spaces with Integrable  $G2$  Structures*, Adv. Theor. Math. Physics, Volume 19 (2015) Number 4, 837-903.
49. Andre Coimbra, Charles Strickland-Constable, Daniel Waldram, *Supersymmetric Backgrounds and Generalised Special Holonomy*, Classical and Quantum Gravity, Volume 33 (2016), Number 12 125026, 27 pp.
50. Eirik Eik Svanes, *Moduli in General  $SU(3)$ -Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.
51. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
52. T. Kimura, S. Sasaki, M. Yata, *Hyper-Kaehler with torsion, T-duality, and defect  $(p, q)$  five-branes* - Journal of High Energy Physics, (JHEP) 03 (2015) 076.
53. Anthony Ashmore, Daniel Waldram, *Exceptional Calabi-Yau spaces: the geometry of  $N = 2$  backgrounds with flux*, Fortschritte der Physics (Progress of Physics), 2017, <https://doi.org/10.1002/prop.201600109>
54. Waldemar Schulgin, *Moduli Stabilization in type IIB Orientifolds*, Dissertation an der Fakultät für Physik der Ludwig-Maximilians-Universität München, 2007.  
[http://inspirehep.net/record/1420596/files/Schulgin\\_Waldemar.pdf](http://inspirehep.net/record/1420596/files/Schulgin_Waldemar.pdf)
55. Christopher John Andrey, *Tackling the Supersymmetric Flavour Problem in String Models*, Ph.D These number 5189 (2011) Ecole Polytechnique Federale de Lausanne, 11 Novembre 2011, Suisse 2011 Pour L'obtention du grade de doteur es sciences, Lausanne, 2011.  
[http://inspirehep.net/record/1399310/files/EPFL\\_TH5189.pdf](http://inspirehep.net/record/1399310/files/EPFL_TH5189.pdf)
56. Francesco Orsi, *Vacuum Configurations of String Theory in the Presence of Fluxes*, These de doctorat Spcialite: Physique Theorique, Universite Paris Diderot (Paris 7), Paris, 2012.  
[http://inspirehep.net/record/1395779/files/These\\_Orsi.pdf](http://inspirehep.net/record/1395779/files/These_Orsi.pdf)
57. P. Marcos Cricigno, Martin Rocek, *On gauged linear sigma models with torsion*, J. High Energ. Phys. 2015, 207 (2015). [https://doi.org/10.1007/JHEP09\(2015\)207](https://doi.org/10.1007/JHEP09(2015)207)
58. Andre Coimbra, Charles Strickland-Constable, *Supersymmetric Backgrounds, the Killing superalgebra and Generalised Special Holonomy*, J. High Energ. Phys. (2016) 2016: 63. doi:10.1007/JHEP11(2016)063
59. Sergei Alexandrov, Sergei V. Ketov, Yuki Wakimoto, *Non-perturbative scalar potential inspired by type IIA strings on rigid CY*, J. High Energ. Phys. (2016) 2016: 66. doi:10.1007/JHEP11(2016)066
60. 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>.

61. Mario Trigiante, **Gauged Supergravities**, Physics Reports Volume 680, 31 March 2017, Pages 1-175
62. Yuki Wakimoto, Sergei V. Ketov, *No inflation in type IIA strings on rigid CY spaces*, Progress of Theoretical and Experimental Physics, Volume 2017, Issue 8, 1 August 2017, 083E02, <https://doi.org/10.1093/ptep/ptx094>
63. Samuel Beck, *Global and Local Aspects of Supersymmetric Anti-de Sitter Spaces*, A thesis presented for the degree of Doctor of Philosophy, Department of Mathematics Kings College London United Kingdom October 19, 2016.  
[https://kclpure.kcl.ac.uk/portal/files/73269081/2017\\_Beck\\_Samuel\\_thesis.pdf](https://kclpure.kcl.ac.uk/portal/files/73269081/2017_Beck_Samuel_thesis.pdf)
64. Andre Coimbra, Charles Strickland-Constable, *Supersymmetric flux backgrounds and generalised special holonomy*, Conference: Corfu Summer Institute 2016 "School and Workshops on Elementary Particle Physics and Gravity DOI10.22323/1.292.0088.
65. Max Zimet, *Umbral Moonshine and String Duality*, arXiv:1803.07567.
66. Sergio C. Vargas, *Vacua in String Theory, de Sitter Space and Stability in Flux Compactifications*, Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Science and Technology 1655, Dissertation presented at Uppsala University to be publicly examined in 80101, Uppsala, Friday, 28 September 2018 at 13:00 for the degree of Doctor of Philosophy. The examination will be conducted in English. Faculty examiner: Professor Alessandro Tomasiello (University of Milano-Bicocca).  
<https://www.diva-portal.org/smash/get/diva2:1236020/FULLTEXT01.pdf>
67. 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
68. 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.
69. Charles Strickland-Constable, *Supergravity Fluxes and Generalised Geometry*, Fortschritte der Physik (2019), DOI: 10.1002/prop.201910021
70. 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](http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf),
71. 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>
72. 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.
73. O Chandia, BC Vallilo, *Compactifications of Type II Supergravities in Superspace*, Journal of High Energy Physics 2024(11):1-31DOI: 10.1007/JHEP11(2024)118,
24. **"Harmonic spinors of Dirac operator of connection with torsion in dimension 4 (with P.Dalakov), Class. Quantum Gravity 18 (2001), 253-265. IF - 1.985.**  
*цитирания - 9.*
1. Rodrigues Jr., W.A., de Oliveira, E.C., **The many faces of Maxwell, Dirac and Einstein equations: The Clifford bundle approach**, Lecture Notes in Physics 722 (Springer, Berlin Heidelberg 2007).
  2. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5-84.
  3. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  4. E. A. Notte-Cuello, W. A. Rodrigues Jr., Q. A. G. de Souza, *The Square of the Dirac and spin-Dirac Operators on a Riemann-Cartan Space(time)*, Rep. Math. Phys. **60**, 135-157(2007).
  5. E. A. Notte-Cuello, *On the Dirac and Spin-Dirac Operators*, Advances in Applied Clifford Algebras Volume 20, Numbers 3-4 (2010), 765-780
  6. Ilka Agricola, Julia Becker-Bender, Hwajeong Kim, *Twistorial eigenvalue estimates for generalized Dirac operators with torsion*, Advances in Mathematics **243**, (2013), pp. 296-329.

7. Ioannis Chrysikos, *Killing and twistor spinors with torsion*, Annals of Global Analysis and Geometry (2015), pp 1-37.
  8. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and  $\nabla$ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
  9. Ioannis Chrysikos, *A new 1/2-Ricci type formula on the spinor bundle and applications*, Adv. Appl. Clifford Algebr. 27 (2017), no. 4, 3097-3127.
- 25. "Vanishing theorems and String Backgrounds (with G.Papadopoulos), Class. Quantum Gravity 18 (2001),1089-1110. IF - 1.985**  
цитування - 146.
1. Th. Friedrich, *Spin(9)-structures and connections with totally skew-symmetric torsion*, Journal of Geometry and Physics 47 (2003) 197-206.
  2. Alex Buchel, Andrew Frey, *Comments on supergravity dual of pure  $N=1$  Super Yang Mills theory with unbroken chiral symmetry*, Phys.Rev. **D64** (2001)064007; hep-th/0103022.
  3. I. Dotti, A.Fino, *Hyperkähler torsion structure invariant by Nilpotent Lie groups*, Class. Quantum Grav. **19**(2002), 551-562.
  4. A. Fino, *Cotangent bundles of 4-dimensional hypercomplex Lie groups*, Manuscripta Math. **109** (2002), no.4, 527-541.
  5. Anna Fino, Maurizio Parton, Simon Salamon, *Families of strong KT structures in six dimensions*, Comment. Math. Helv. **79** (2004), no. 2, 317-340.
  6. Sebastien Gurrieri, Jan Louis, Andrei Micu, Daniel Waldram, *Mirror Symmetry in Generalized Calabi-Yau Compactifications*,Nucl.Phys. **B654** (2003) 61-113, hep-th/0211102.
  7. Jerome P. Gauntlett, Stathis Pakis, *The Geometry of  $D=11$  Killing Spinors*, JHEP 0304 039 (2003).
  8. Edward Goldstein, Sergey Prokushkin, *Geometric Model for Complex Non-Kaehler Manifolds with  $SU(3)$  Structure*, Commun.Math. Phys. **251** (2004) 65-78, hep-th/0212307.
  9. Misha Verbitsky, *Vanishing theorems for locally conformal hyperkaehler manifolds*, Tr. Mat. Inst. Steklova 246 (2004), Algebr. Geom.Metody, Svyazi i Prilozh., 64-91; translation in Proc. Steklov Inst. Math. 2004, no. 3 (246), 54-78, math.DG/0302219,
  10. D.Grantcharov, G.Grantcharov, Y.S.Poon, *Calabi-Yau Connections with Torsion on Toric Bundles*, J. Differential Geom. **78** (2008), no. 1, 13-32.
  11. G.L. Cardoso, G. Gurio, G. Dall'Agata, D. Lüst, *BPS Action and Superpotential for Heterotic Strings Compactifications with Fluxes*, JHEP 0310 (2003) 004, hep-th/0306088.
  12. Frederik Witt, *Generalised  $G_2$ -manifolds*,Commun.Math.Phys. **265** (2006) 275-303.
  13. Iman Benmachiche, *Heterotic and type II orientifold compactifications on  $SU(3)$  structure manifolds*, Dissertation zur Erlangung des Doktorgrades des Departments für Physik der Universität Hamburg, 2006.
  14. Gurrieri, Sebastien,  *$N=2$  and  $N=4$  supergravities as compactifications from string theories in 10 dimensions*, Ph.D Thesys de l'Universite de la Mediterranee, hep-th/0408044.
  15. Frederik Witt, *Special metric structures and closed forms*, DPhil Thesis, University of Oxford, 2004, math.DG/0502443.
  16. Berg, Marcus; Haack, Michael; Kors, Boris, *Loop Corrections to Volume Moduli and Inflation in String Theory*,Physical Review **D 71** 026005 (2005).
  17. Paul Rosenthal, *Spezielle symplektische Zusammenhänge*, Wissenschaftliche Arbeit zur Erlangung des akademischen Grades "Diplom-Mathematiker" am Institut für Mathematik und Informatik der Ernst-Moritz-Arndt-Universität at Greifswald, 2005.
  18. Berg, Marcus; Haack, Michael; Kors, Boris, *On the Moduli Dependence of Nonperturbative Superpotentials in Brane Inflation*, contribution to proceedings of "PASCOS'04 hep-th/0409282.
  19. Ana Ferreira, *Riemannian geometry with skew torsion*, St Cross College University of Oxford, A thesis submitted for the degree of Doctor of Philosophy Hilary Term 2010.
  20. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5-84, math.DG/0606705.

21. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
22. Apostolov, Vestislav; Gualtieri, Marco, *Generalized Kaehler manifolds with split tangent bundle*, Comm. Math. Phys. **271**, (2007), 561-575; math/0605342.
23. Frank Klinker, *The torsion of spinor connections and related structures*, SIGMA 2 (2006), 077, 28 pages;
24. Ruxandra Moraru, Misha Verbitsky, *Stable bundles on hypercomplex surfaces*, Cent. Eur. J. Math. 8 (2010), no. 2, 327-337;
25. Katrin Becker, Li-Sheng Tseng, *Heterotic Flux Compactifications and Their Moduli*, Nucl.Phys. **B741** (2006) 162-179, hep-th/0509131.
26. A Fino, A Tomassini, *Solvmanifolds and Generalized Kähler Structures*, Note di Matematica Note Mat. **8** (1) (2008), suppl. n. 1, 169-190.
27. Anna Fino, Adriano Tomassini, *Non Kaehler solvmanifolds with generalized Kaehler structure*, J. Sympl.Geom., **7** (2009), no. 2, 1-14.
28. T. B. Madsen, *Torsion geometry and scalar functions*, University of Southern Denmark, qualifying report, August 2009,  
<http://home.imf.au.dk/tbmadsen/DMF-2009-11-003-v1.pdf>
29. Maria Laura Barberis, Isabel G. Dotti, Misha Verbitsky, *Canonical bundles of complex nilmanifolds, with applications to hypercomplex geometry*, Math. Res. Lett. 16 (2009), no. 2, 331-347, arXiv:0712.3863.
30. Gillard, Joe, *Spinorial Geometry and Supergravity*, Ph.D, PhD thesis, 120 pages; King's College London, arXiv.org:hep-th/0608139.
31. Chiossi, Simon G., Fino, Anna, *Nearly integrable SO(3) structures on 5-dimensional Lie groups*, J. Lie Theory **17** (2007), no. 3, 539-562.
32. Tetsuji Kimura, *Index Theorems on Torsional Geometries*, JHEP 0708:048,2007, arXiv:0704.2111.
33. Anna Fino, Adriano Tomassini, *On astheno-Kaehler metrics*, J. Lond. Math. Soc. (2) **83** (2011), no. 2, 290-308,
34. Mancho Manev, Dimitar Mekerov, Kostadin Gribachev, *Natural Connections with Totally Skew-Symmetric Torsion on Manifolds with Norden-type Metrics*, Proc. Ann. Intern. Conference, 10-12 December, 2010 Plovdiv, Bulgaria (REMI 2010), pp. 55-67.
35. Fino A, Tomassini A., *A survey on strong KT structures*, Bulletin Mathematique de la Societe des Sciences mathematiques de Roumanie, Volume: 52 Issue: 2 Pages: 99-116 Published: 2009.
36. Marisa Fernandez, Anna Fino, Luis Ugarte, Raquel Villacampa, *Strong Kaehler with torsion structures from almost contact manifolds*, Pacific J. Math. 249 (2011), no. 1, 49-75.
37. Luca Carlevaro, Dan Israel, *Heterotic Resolved Conifolds with Torsion, from Supergravity to CFT*, Journal of High Energy Physics, Volume 2010, article id. #83 arXiv:0910.3190.
38. Mancho Manev, Dimitar Mekerov, Kostadin Gribachev, *On the Geometry of Connections with Totally Skew-Symmetric Torsion on Manifolds with Additional Tensor and Indefinite metric*, Differential Geom. Appl. **29** (2011), S141-S148.
39. M. L. Barberis, A. Fino, *New HKT manifolds arising from quaternionic representations*, Math. Z. **267** (2011), no.3-4, 717-735.
40. Dimitar Mekerov, Mancho Manev, *Natural Connection with Totally Skew-Symmetric Torsion on Riemannian Almost Product Manifolds*, International Journal of Geometric Methods in Modern Physics, Vol. 9, No. 1 (2012) 1250003.
41. Mancho Manev, *Natural connection with totally skew-symmetric torsion on almost contact manifolds with B-metric*, Int. J. Geom. Methods Mod. Phys., vol. 9, no. 5 (2012), 1250044 (20 pages);
42. Bjorn Andreas, Mario Garcia-Fernandez, *Solutions of the Strominger System via Stable Bundles on Calabi-Yau Threefolds*, Communications in Mathematical Physics, Volume 315, Issue 1, (2012), pp.153-168.
43. Mancho Manev, Miroslava Ivanova, *A classification of the torsion tensors on almost contact manifolds with B-metric*, Central European Journal of Mathematics, October 2014, Volume 12, Issue 10, pp 1416-1432; arXiv:1105.5715.

44. Kefeng Liu, Xiaokui Yang, *Geometry of Hermitian manifolds*, Int. J. Math. **23**, No. 6 (2012) 1250055 (40 pages).
45. Anna Fino, Luis Ugarte, *On generalized Gauduchon metrics*, Proc. Edinb. Math. Soc. (2) 56 (2013), no. 3, 733-753.
46. Mancho Manev, Miroslava Ivanova, *Canonical-type connection on almost contact manifolds with B-metric*, Ann. Glob. Anal. Geom. (2012), arXiv:1203.0137.
47. Dario Martelli, James Sparks, *Non-Kahler heterotic rotations*, Adv. Theor. Math. Phys. 15 (2011) 131-174, arXiv:1010.4031.
48. Ana Cristina Ferreira, *Einstein four-manifolds with skew torsion*, J. Geom. Phys. 61 (2011), no. 12, 2341-2351.
49. Selman Uguz, *Lee form and special warped-like product manifolds with locally conformally parallel Spin(7) structures*, Ann. Glob. Anal. Geom. Volume 43, Issue 2, 2013, Pages 123-141.
50. Tsuyoshi Houru, David Kubiznak, Claude M. Warnick, Yukinori Yasui, *Local metrics admitting a principal Killing-Yano tensor with torsion*, Classical and Quantum Gravity, Volume 29, Issue 16, pp. 165001 (2012), arXiv:1203.0393.
51. Tsuyoshi Houru, Hiroshi Takeuchi, Yukinori Yasui, *A Deformation of Sasakian Structure in the Presence of Torsion and Supergravity Solutions*, Class. Quant. Grav. 30:135008,2013, arXiv:1207.0247.
52. Xiaokui Yang. 2012. *Positivity and Vanishing Theorems in Complex and Algebraic Geometry*, Ph.D. Dissertation. University of California at Los Angeles, Los Angeles, CA, USA. Advisor(s) Kefeng Liu. AAI3511350.
53. Diego Conti, Thomas Bruun Madsen, *The odd side of torsion geometry*, Annali di Matematica Pura ed Applicata (1923 -) August 2014, Volume 193, Issue 4, pp 1041-1067.
54. Jesse Alt, Antonio J. Di Scala, Thomas Leistner, *Conformal holonomy, symmetric spaces, and skew symmetric torsion*, Diff. Geom. Appl. 33, (2014)pp. 4-43.
55. Hu, S., Hu, Z., Zhang, R., *Generalized ricci flow and supergravity vacuum solutions* International Journal of Modern Physics A **25** (12), (2010), pp. 2535-2549.
56. Ilka Agricola, Thomas Friedrich, Jos H'oll, *Sp(3) structures on 14-dimensional manifolds*, J. Geom. Phys. 69 (2013), 12-30.
57. Mario Garcia-Fernandez, *Generalized geometry and heterotic supergravity*, preprint Aarhus University 2012, available at: <http://pure.au.dk/portal/files/52568111/HeteroticGeometry.pdf>
58. Nicola Enrietti, Anna Fino, Luigi Vezzoni, *The pluriclosed flow on nilmanifolds and Tamed symplectic forms*, J. Geom. Anal. 25 (2015), no. 2, 883-909.
59. Francesco Orsi, *Vacuum Configurations of String Theory in the Presence of Fluxes*, These de doctorat Spécialité: Physique Théorique, Université Paris Diderot (Paris 7), Paris, 2012. [http://inspirehep.net/record/1395779/files/These\\_Orsi.pdf](http://inspirehep.net/record/1395779/files/These_Orsi.pdf)
60. Luca Carlevaro, Dan Israel, *Local models of heterotic flux vacua: spacetime and worldsheet aspects*, Fortschritte der Physik, vol. 59, issue 7-8, pp. 716-722; arXiv:1109.1534.
61. Quigley, Callum; Sethi, Savdeep; Stern, Mark, *Novel branches of (0, 2) theories*, JHEP, (Journal of High Energy Physics), Volume 2012, article id. #64.
62. Mario Garcia-Fernandez, *Torsion-free generalized connections and Heterotic Supergravity*, arXiv:1304.4294.
63. Thomas T. Dumitrescu, Guido Festuccia, Nathan Seiberg, *Exploring Curved Superspace*, JHEP, (Journal of High Energy Physics), Volume 2012, article id. #141.
64. Julia Becker-Bender, *Dirac-Operatoren und Killing-Spinoren mit Torsion*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht am Fachbereich Mathematik und Informatik (FB 12) der Philipps-Universität Marburg, 2013, available at: <http://archiv.ub.uni-marburg.de/diss/z2013/0049/pdf/djb.pdf>
65. Takeuchi, Hiroshi, *Sasakian Exact Solutions for Spinning Black Holes in Superstring Inspired Gravities*, Theses of Dissertation, Kyoto University, March, 2013. available at: <http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/179367/2/drigrk03893.pdf>



66. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
67. Dan Israel, *T-Duality in Gauged Linear Sigma-Models with Torsion*, Journal of High Energy Physics, 2013:93.
68. Valentino Tosatti, *Non-Kähler Calabi-Yau manifolds*, Analysis, complex geometry, and mathematical physics: in honor of Duong H. Phong, 261-277, Contemp. Math., 644, Amer. Math. Soc., Providence, RI, 2015.;
69. Gukov, Sergei; Martinec, Emil; Moore, Gregory; Strominger, Andrew, *The Search for a Holographic Dual to  $AdS(3) \times S(3) \times S(3) \times S(1)$* , Adv.Theor. Math. Phys. **9** (2005) 435-525.
70. Jeffrey Streets, Gang Tian, *Regularity results for pluriclosed flow*, Geometry & Topology 17 (2013) 2389-2429.
71. Jeffrey Streets, Gang Tian, *Generalized Kahler Geometry and the Pluriclosed Flow*, Nuclear Physics B **858** (2012) (2) , pp. 366-376.
72. Katrin Becker, Melanie Becker, Ji-Xiang Fu, Li-Sheng Tseng, Shing-Tung Yau, *Anomaly Cancellation and Smooth Non-Kähler Solutions in Heterotic String Theory*, Nuclear Physics **B751** (2006), 108.
73. Jeffrey Streets, *Generalized geometry, T-duality, and renormalization group flow*, arXiv:1310.5121.
74. Kefeng Liu, Xiaokui Yang, *Ricci curvatures on Hermitian manifolds*, Trans. Amer. Math. Soc. 369 (2017), no. 7, 5157-5196. DOI: <https://doi.org/10.1090/tran/7000> Published electronically: March 17, 2017
75. Bjorn Andreas, Mario Garcia-Fernandez, *Note on Solutions of the Strominger System from Unitary Representations of Cocompact Lattices of  $SL(2, \mathbb{C})$* , Communications in Mathematical Physics, March 2014, DOI 10.1007/s00220-014-1920-5.
76. Xenia de la Ossa, Eirik E. Svanes, *Holomorphic Bundles and the Moduli Space of  $N=1$  Heterotic Compactifications*, J. High Energy Phys. 2014, no. 10, 123, front matter+54 pp.
77. Kazuki Hinoue, Shun'ya Mizoguchi, Yukinori Yasui, *Supersymmetric heterotic solutions via non- $SU(3)$  standard embedding*, Phys. Rev. D 90, 106009 (2014) .
78. Jeffrey Streets, *Geometric flows in complex geometry*, Notes for lectures delivered at the Hefei Advanced School on PDEs in Geometry and Physics June30th-July 11th 2014. available at <http://indico.ictp.it/event/a13245/material/0/2.pdf>
79. Eirik Eik Svanes, *Moduli in General  $SU(3)$ -Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.
80. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
81. Jeffrey Streets, *Pluriclosed flow, Born-Infeld geometry, and rigidity results for generalized Kähler manifolds*, Comm. Partial Differential Equations, 41 (2) (2016), pp. 318-374, 10.1080/03605302.2015.1116560
82. T. Kimura, S. Sasaki, M. Yata, *Hyper-Kähler with torsion, T-duality, and defect  $(p, q)$  five-branes* - Journal of High Energy Physics, (JHEP) 03 (2015) 076.
83. Ioannis Chrysikos, *Killing and twistor spinors with torsion*, Annals of Global Analysis and Geometry (2015), pp 1-37.
84. Jeffrey Streets, *Generalized Kahler-Ricci flow and the classification of nondegenerate generalized Kahler surfaces*, Adv. Math. 316 (2017), 187-215.
85. Guillaume Deschamps, *Twistor space of a generalized quaternionic manifold*, Proc Math Sci 131, 1 (2021). <https://doi.org/10.1007/s12044-020-00599-z>
86. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and  $\nabla$ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
87. Adela Latorre, Luis Ugarte, *On non-Kähler compact complex manifolds with balanced and astheno-Kähler metrics* , Comptes Rendus Mathematique Volume 355, Issue 1, January 2017, Pages 90-93.
88. 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>.
89. Ioannis Chrysikos, *A new  $1/2$ -Ricci type formula on the spinor bundle and applications*, Adv. Appl. Clifford Algebr. 27 (2017), no. 4, 3097-3127.

90. Vestislav Apostolov, Jeffrey Streets, *The nondegenerate generalized Kahler Calabi-Yau problem*, J. Reine Angew. Math. 777, 1-48 (2021).
91. Mancho Manev, *On Geometry of Manifolds with Some Tensor Structures and Metrics of Norden Type*, Thesis for: Doctor of Sciences in Mathematics, 2017, DOI: 10.13140/RG.2.2.33038.05446. arXiv:1706.05505.
92. Samuel Beck, *Global and Local Aspects of Supersymmetric Anti-de Sitter Spaces*, A thesis presented for the degree of Doctor of Philosophy, Department of Mathematics Kings College London United Kingdom October 19, 2016.  
[https://kclpure.kcl.ac.uk/portal/files/73269081/2017\\_Beck\\_Samuel\\_thesis.pdf](https://kclpure.kcl.ac.uk/portal/files/73269081/2017_Beck_Samuel_thesis.pdf)
93. Jeffrey Streets, *Classification of solitons for pluriclosed flow on complex surfaces*, Mathematische Annalen, December 2019, Volume 375, Issue 3-4, pp 1555-1595.
94. 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,
95. Jixiang Fu, Xianchao Zhou, *Twistor geometry of Hermitian surfaces induced by canonical connections*, arXiv:1803.03894.
96. 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>.
97. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *Anomaly flows*, Comm. Anal. Geom. 26 (2018), no. 4, 955-1008.
98. Sebastien Picard, *The Hull-Strominger System in Complex Geometry*, Ph.D. Thesis in the Graduate School of Arts and Sciences, COLUMBIA UNIVERSITY 2018. file:///D:/Thesys/Picard\_columbia\_0054D\_14538.-StromingerSystempdf.pdf
99. Eder de Moraes Correa, *Hermitian non-Kähler structures on products of principal  $S^1$ -bundles over complex flag manifolds and applications in Hermitian geometry with torsion*, arXiv:1803.09170.
100. 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.
101. 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.
102. 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.
103. 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.
104. Joshua Jordan, Jeffrey Streets, *On a Calabi-type estimate for pluriclosed flow*, Advances in Mathematics Volume 366, 3 June 2020, 107097.
105. Riccardo Piovani, Adriano Tomassini, *Aeppli cohomology and Gauduchon metrics*, Complex Anal. Oper. Theory 14 (2020), no. 1, Art. 22, 15 pp.
106. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020, Mathematische Zeitschrift DOI: 10.1007/s00209-020-02598-2.
107. Matthew Gibson, Jeffrey Streets, *Deformation classes in generalized Kähler geometry*, Complex Manifolds (2020) 7(1):241-256. DOI: 10.1515/coma-2020-0101
108. Adrian Andrada, Giulia Dileo, *Odd dimensional counterparts of abelian complex and hypercomplex structures*, October 2022, Mathematische Nachrichten DOI: 10.1002/mana.202000599.
109. Mario Garcia-Fernandez, Jeffrey Streets, **Generalized Ricci Flow**, AMS University Lecture Series vol. 76, 2021.
110. Vestislav Apostolov, Jeffrey Streets, Yury Ustinovskiy, *Generalized Kähler-Ricci flow on toric Fano varieties*, Mathematische Annalen (2022), DOI: 10.1007/s00208-022-02516-3.
111. Xin Fu, Aaron Naber, Jeffrey Streets, *Codimension four regularity of generalized Einstein structures*, Math. Ann. 387 (2023), no. 3-4, 2001-2059.

112. 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>
113. Quanting Zhao, Fangyang Zheng, *On Gauduchon Kähler-like manifolds*, April 2022 Journal of Geometric Analysis 32(4) DOI: 10.1007/s12220-022-00868-5.
114. 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.
115. 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.
116. Shuwen Chen, Fangyang Zheng, *On Strominger space forms*, April 2022, Journal of Geometric Analysis 32(4), DOI: 10.1007/s12220-022-00882-7.
117. Mario Garcia-Fernandez and Jeffrey Streets, **Generalized Ricci Flow**, University Lecture Series, volume 76, AMS 2021,,
118. Danielle Angella, Arturas Dubickas, Alexandra Otiman, Jonas Stelzig, *On metric and cohomological properties of Oeljeklaus-Toma manifolds*, Publ. Mat. 68 (2024), no. 1, 219-239.
119. A. Andrada, R. Villacampa, *Bismut connection on Vaisman manifolds*, Mathematische Zeitschrift 302 (2022), no. 2, 1091-1126. DOI: 10.1007/s00209-022-03108-2.
120. 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>.
121. 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.
122. Poula Tadros, Iiro Vilja, *Low energy models of string theory*, arXiv:2210.16597.
123. Kyle Broder, James Stanfield, *On the Gauduchon Curvature of Hermitian Manifolds*, April 2023, International Journal of Mathematics 34(07), DOI: 10.1142/S0129167X23500398.
124. Vestislav Apostolov, Xin Fu, Jeffrey Streets, Yury Ustinovskiy, *The generalized Kaehler Calabi-Yau problem*, to appear in Am. J. Math, arXiv:2211.09104.
125. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
126. Adrian Andrada, Alejandro Tolcachier, *Harmonic complex structures and special Hermitian metrics on products of Sasakian manifolds*, (2024) Journal of Geometric Analysis 34(6) DOI: 10.1007/s12220-024-01620-x.
127. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, March 2025, Journal für die reine und angewandte Mathematik (Crelle), DOI: 10.1515/crelle-2025-0008
128. Quanting Zhao, Fangyang Zheng, *Bismut Kaehler-like manifolds of dimension 4 and 5*, arXiv:2303.09267.
129. 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.
130. Yanan Ye, *Bismut Einstein metrics on compact complex manifolds*, March 2025, Journal of Functional Analysis 288(6):110805 DOI: 10.1016/j.jfa.2024.110805,
131. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni , *The parabolic quaternionic Calabi-Yau equation on hyperKaehler manifolds*, Revista Matematica Iberoamericana 40(6), pp. 2291-2310. DOI: 10.4171/rmi/1499.
132. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
133. 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>
134. Tommaso Sferruzza, *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%20Sferruzza%20%28revised%29.pdf>
135. Kuan-Hui Lee, *The stability of non-Kaehler Calabi-Yau metrics*, arXiv:2401.06867.

136. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
137. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
138. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G2-instantons*, arXiv:2404.12937.
139. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
140. Hao Fang, Joshua Jordan, *On canonical metrics of complex surfaces with split tangent and related geometric PDEs*, March 2025, Journal für die reine und angewandte Mathematik DOI: 10.1515/crelle-2025-0021.
141. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
142. Mario Garcia-Fernandez, Raul Gonzalez Molina, Jeffrey Streets, *Pluriclosed flow and the Hull-Strominger system*, arXiv:2408.11674.
143. Shuwen Chen, Fangyang Zheng, *Canonical metric connections with constant holomorphic sectional curvature*, arXiv:2501.03032 v.2
144. Anna Fino, Udhav Fowdar, *Some remarks on strong G2-structures with torsion*, arXiv:2502.06066.
145. Tetsuji KimuraShin SasakiKenta ShiozawaKenta Shiozawa, *T-duality on Almost Hermitian Spaces*, March 2025, Nuclear Physics B, DOI: 10.1016/j.nuclphysb.2025.116870
146. Elia Fusi, *Some developments in balanced and SKT Geometry*, Doctoral dissertation, Politecnico di Torino 2024  
<https://tesidottorato.depositolegale.it/bitstream/20.500.14242/190211/1/Tesi%20Elia%20Fusi%20modificata.pdf>
- 26. "Weyl structure with positive Ricci tensor (with B. Alexandrov), Diff. Geom. Appl. 18 (2003), 343-350. IF - 0.389**  
*цитираниа* - 16.
1. P.B. Gilkey, M. Brozos-Vazquez and S. Nikcevic, **Geometric realizations of curvature**, Imperial College Press (2012).
  2. Peter Gilkey, Stana Nikcevic, Udo Simon, *Geometric realizations, curvature decompositions, and Weyl manifolds*, J.Geom. Phys. /bf 61 (2011), no. 1, 270–275.
  3. Misha Verbitsky, *Vanishing theorems for locally conformal hyper kaehlermanifolds*, Tr. Mat. Inst. Steklova 246 (2004), Algebr. Geom.Metody, Svyazi i Prilozh., 64–91; translation in Proc. Steklov Inst. Math. 2004, no. 3 (246), 54–78, math.DG/0302219,
  4. L. Ornea, M. Verbitsky, *Immersion theorem for Vaisman manifolds*, Math. Ann. **332** (2005), no. 1,121–143.
  5. Daniel J. F. Fox, *Geometric structures modeled on affine hypersurfaces and generalizations of the Einstein Weyl and affine hypersphere equations*, arXiv:0909.1897, v.6 (2017).
  6. Ichiyama, Toshiyuki, *The first variation formula for Weyl structures* Tsukuba J. Math.**26** (2002), no. 1, 171–187.
  7. Ornea, Liviu, *Locally conformally Kähler manifolds. A selection of results*, Lecture notes of Seminario Interdisciplinare di Matematica. **Vol. IV**, 121–152, Lect. Notes Semin. Interdiscip. Mat., IV, S.I.M. Dep. Mat. Univ.Basilicata, Potenza, 2005.
  8. Hirica, I.E., *On subprojective transformations*, Balkan Journal of Geometry and its Applications **11** (1)(2006), pp. 66-72.
  9. Liviu Nicolescu, Gabriel-Teodor Pripoae and Virgil Damian, *On some families of linear connections*, BalĀkan Journal of Geometry and Its Applications, Vol.16, No.1, 2011, pp. 98-110.
  10. Hirica, I.E., Nicolescu, L., *Conformal connections on Lyra manifolds*, Balkan Journal of Geometry and its Applications **13** (2) (2008), pp. 43-49.
  11. Joon-Sik Park, Yong-Soo Pyo, and Young-Lim Shin, *Weyl structures on compact connected Lie groups*, Journal of the Chungcheong Mathematical Society Volume 24, No. 3, September 2011.
  12. P. Gilkey, S. Nikcevic, *(para)-Kähler Weyl structures*, Recent trends in Lorentzian geometry, 335-353, Springer Proc. Math. Stat., 26, Springer, New York, 2013.

13. Anna Fino, Nicoletta Tardini, *Some remarks on Hermitian manifolds satisfying Kähler-like conditions*, August 2020 *Mathematische Zeitschrift* DOI: 10.1007/s00209-020-02598-2.
  14. Giuseppe Barbaro, Mehdi Lejmi, *Second-Chern-Einstein metrics on 4-dimensional almost-Hermitian manifolds*, *Complex Manifolds* <https://doi.org/10.1515/coma-2022-0150>, arXiv:2205.03452.
  15. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
  16. Ewelina Mulawa, *A Detailed Description of the Generalized Calabi Type Kaehler Surfaces*, *Journal of Geometry and Physics* (2024), DOI: 10.1016/j.geomphys.2024.105112.
- 27. "Geometry of Quaternionic Kähler connections with torsion *J. Geom. Phys.* 41 (2002), 235-257, IF - 1.178**  
*цитирания - 27.*
1. R. Cleyton, *G-structure and Einstein metrics*, Ph.D.Thesis, University of Soutern Denmark, Odense, 2001, <ftp://ftp.imada.sdu.dk/pub/phd/2001/24.PS.gz>
  2. D.V.Alekseevsky, S.Marchiafava, *Almost complex submanifolds of quaternionic manifolds*, *Steps in Differential Geometry*, Proc. Colloquium on Diff. Geom., 25-30 July, 2000, Debrecen, Hungary, 23-38.
  3. L.Ornea *Weyl structures on Quaternionic manifolds. A state of the art.*, Barletta, Elisabetta (ed.), *Selected topics in geometry and mathematical physics. Vol. I.* Potenza: Univ. degli Studi della Basilicata, Dipartimento di Matematica, Seminario Interdisciplinare di Matematica, 43-80 (2001). Also on math.DG/0105041. Zbl 1029.53055
  4. G.Papadopoulos, *Brane Solitons and Hypercomplexstructures*, Contribution to the Proceedings of the second meeting on "Quaternionic Structures in Mathematics and Physics math.DG/0003024.
  5. Yat Sun Poon, Andrew Swann, *Superconformal symmetry and hyperKaehler manifolds with torsion*, *Comm. Math. Phys.* **241**(2003), 177-189.
  6. George Papadopoulos, *KT and HKT Geometries in Strings and in Black Hole Moduli Spaces*, hep-th/0201111, Contribution to the Proceedings of the Bonn workshop on "Special Geometric Structures in String Theory
  7. Liviu Ornea, Yat Sun Poon, Andrew Swann, *Potential one-forms for hyperkähler structures with torsion*, *Classical Quantum Gravity* **20** (2003), no. 9, 1845–1856.
  8. Jerome P. Gauntlett, Dario Martelli, Daniel Waldram, *Superstrings with Intrinsic Torsion*, *Phys. Rev.* **D69**(2004) 086002.
  9. Misha Verbitsky, *Hyperkaehler manifolds with torsion obtained from hyperholomorphic bundles*, *Math. Res. Lett.* **10** (2003), no. 4, 501–513, math.DG/0303129.
  10. F. Cabrera, *Almost Quaternion-Hermitian Manifolds*, *Ann. Glob. Anal. Geom.*, **25** (2004), no. 3, 277–301.
  11. F.Cabrera, A.Swann, *Almost Hermitian structures and quaternionic Geometries*, *Differential Geom. Appl.* **21**(2004), no. 2, 199–214.
  12. A. Swann, *Quaternionic geometries from superconformal symmetry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, *Handbook of Pseudo-Riemannian Geometry and Supersymmetry*, (Ed. Vicente Cortes) (2010), 455-476.
  13. Zamkovoy, Simeon *Geometry of paraquaternionic Kähler manifolds with torsion*, *J. Geom. Phys.* **57** (2006), 69–87.
  14. Francisco Martin Cabrera, Andrew Swann *The intrinsic torsion of almost quaternion-Hermitian manifolds*, *Ann. Inst. Fourier* **58**, No. 5, 1455-1497 (2008).
  15. G. Vilcu, *Contribution to the study of quaternionic manifold*, Ph.D. Thesis University of Bucharest, 2006, available <http://www.mathem.pub.ro/dgds/mono/vi-vol.pdf>
  16. Paul-Andi Nagy, *Connexions with totally skew-symmetric torsion and nearly-Kaehler geometry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, *Handbook of Pseudo-Riemannian Geometry and Supersymmetry*, (Ed. Vicente Cortes), (2010), 347-398.
  17. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  18. Capelletti Montano, *3-structures with torsion*, *Differ. Geom. Appl.* 27, No. 4, 496-506 (2009).
  19. P. Gilkey, S. Nikčević, *(para)-Kähler Weyl structures*, *Recent trends in Lorentzian geometry*, 335-353, *Springer Proc. Math. Stat.*, 26, Springer, New York, 2013.

20. Peter Gilkey, Stana Nikcevic, Udo Simon, *Geometric realizations, curvature decompositions, and Weyl manifolds*, J.Geom. Phys. **61** (2011), no. 1, 270-275.
21. Martin Kober, *Quaternionic Quantization Principle in General Relativity and Supergravity*, International Journal of Modern Physics A, Particles and Fields; Gravitation; Cosmology, Volume 31, Issue 04n05, 20 February 2016
22. Uwe Semmelmann, Gregor Weingart, *The Standard Laplace Operator*, manuscripta mathematica, 2019, Volume 158, Issue 1-2, pp 273-293.
23. 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.
24. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
25. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
26. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
27. Georgios Papadopoulos, *Geometry and symmetries of Hermitian-Einstein and instanton connection moduli spaces*, ( 2025), Journal of Geometry and Physics DOI: 10.1016/j.geomphys.2025.105474
28. **"Parallel spinors and connections with skew-symmetric torsion in string theory (with Th. Friedrich)**, *Asian Journ. Math.* **6(2002)**, **303 - 336**.  
*цитирания - 296*
  1. I. Agricola, *Connexions sur les espaces homoge'nesnaturellement re'ductifs et leurs ope'rateurs de Dirac (French)[Connections on naturally reductive homogeneous spaces and theirDirac operators]* C. R. Math. Acad. Sci. Paris **335** (2002),no. 1, 43-46.
  2. Ilka Agricola, *Connections on naturally reductive spaces, their Dirac operator and homogeneous models in stringtheory*, Comm. Math. Phys. **232** (2003), no. 3, 535-563.
  3. R. Cleyton, *G-structure and Einstein metrics*, Ph.D.Thesis, University of Soutern Denmark, Odense, 2001,ftp://ftp.imada.sdu.dk/pub/phd/2001/24.PS.gz
  4. P.-A.Nagy, *On nearly Kähler geometry*, Ann. Glob.Anal. Geom. **22** (2002), 167-178.
  5. Baum, Helga; Kath, Ines, *Doubly Extended Lie Groups-Curvature, Holonomy and Parallel Spinors*, Diff. Geom. Appl. **19** (2003), 253-280.
  6. Jerome P. Gauntlett, Nakwoo Kim, Dario Martelli, Daniel Waldram, *Five branes Wrap- ped on SLAG Three-Cycles and Related Geometry*, JHEP 0111 (2001) 018, hep-th/0110034.
  7. P.Nurowski, D.C.Robinson, *Generalized forms and their applications*, Class. Quantum Grav. **19** (2002), 2425-2436.
  8. Paul-Andi Nagy, *Nearly Kaehler geometry and Riemannian foliations*, Asian Journ. Math., **6** (2002), no. 3, 481-504.
  9. Jerome P. Gauntlett, Dario Martelli, Stathis Pakis, Daniel Waldram, *G-Structures and Wrapped NS5-Branes*, Commun. Math. Phys. **247** (2004), 421-445. hep-th/0205050.
  10. Sebastien Gurrieri, Jan Louis, Andrei Micu, Daniel Waldram, *Mirror Symmetry in Generalized Calabi-Yau Compactifications*,Nucl.Phys. **B654** (2003) 61-113, hep-th/0211102.
  11. Richard Cleyton, Andrew Swann, *Einstein Metrics via Intrinsic or Parallel Torsion*, Math. Z. 247 (2004), no. 3,513-528.
  12. Jerome P. Gauntlett, Stathis Pakis, *The Geometry ofD=11 Killing Spinors*, JHEP 0304 039 (2003).
  13. Edward Goldstein, Sergey Prokushkin , *Geometric Model for Complex Non-Kaehler Manifolds with SU(3) Structure*, Commun.Math. Phys. **251** (2004) 65-78, hep-th/0212307.
  14. Alexandrov, Bogdan, *Sp(n)U(1)-connections with parallel totally skew-symmetric torsion*, J. Geom. Phys. **57** (2006), no. 1,323-337, math/0311248.
  15. Jerome P. Gauntlett, Dario Martelli, Daniel Waldram, *Superstrings with Intrinsic Torsion*, Phys. Rev. **D69**(2004) 086002.

16. Dario Martelli, James Sparks, *G-Structures, Fluxes and Calibrations in M-Theory*, Phys. Rev. D (3) 68 (2003), no. 8, 085014, 19 pp.
17. Robert Bryant, *Some remarks on  $G_2$ -structures*, Proceedings of Gökova Geometry-Topology Conference 2005, 75–109, Gökova Geometry/Topology Conference (GGT), Gökova, math.DG/0305124.
18. Jerome P. Gauntlett, Jan B. Gutowski, *All supersymmetric solutions of minimal gauged supergravity in five dimensions*, Phys.Rev. **D68** (2003) 105009, hep-th/0304064.
19. Jan B. Gutowski, Dario Martelli, Harvey S. Reall, *All supersymmetric solutions of minimal supergravity in six dimensions*, Class.Quant.Grav. **20** (2003) 5049-5078, hep-th/0306235.
20. Jerome P. Gauntlett, *Branes, Calibrations and Supergravity*, Strings and geometry, 79-126, Clay Math. Proc., 3, Amer. Math. Soc., Providence, RI, 2004.
21. Paul Rosenthal, *Spezielle symplektische Zusammenhänge*, Wissenschaftliche Arbeit zur Erlangung des akademischen Grades "Diplom-Mathematiker" am Institut für Mathematik und Informatik der Ernst-Moritz-Arndt-Universität Greifswald, 2005.
22. Jerome P. Gauntlett, Jan B. Gutowski, Stathis Pakis, *The Geometry of  $D=11$  Null Killing Spinors*, JHEP 0312 (2003) 049.
23. K. Behrndt, C. Jeschek, *Fluxes in M-theory on 7-manifolds: G-structures and Superpotential*, Nucl. Phys. **B694** (2004), 99-114.
24. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric  $AdS_5$  solutions of M-theory*, Class. Quant. Grav. **21** (2004) 4335-4366, hep-th/0402153.
25. Behrndt, Klaus; Cvetič, Mirjam, *Supersymmetric Intersecting D6-branes and Fluxes in Massive Type IIA String Theory*, Nucl.Phys. **B676** (2004) 149-171.
26. Melanie Becker, Keshav Dasgupta, Anke Knauf, Radu Tatar, *Geometric transitions, Flops and Non-Kähler manifolds:I*, Nucl.Phys. **B702**, (2004) 207-268.
27. Smith, Douglas J., *Intersecting brane solutions in string and M-theory*, Classical and Quantum Gravity 20 (2003) R233.
28. Simon Chiossi, Andrew Swann,  *$G_2$ -structures with torsion from half-flat-integrable nilmanifolds*, J. Geom. Phys.54 (2005), no. 3, 262–285.
29. Luigi Vezzoni, *Sur les structures presque complexes qui ne sont pas compatibles avec des formes symplectiques*, Comptes Rendus Mathematique (Paris) Volume 349, Issues 7–8, April 2011, Pages 429–431.
30. Klaus Behrndt, Claus Jeschek, *Fluxes in M-theory on 7-manifolds:  $G_2$ -,  $SU(3)$ - and  $SU(2)$ -structures*, contribution for the proceedings of: BW2003 Workshop, 29 Aug. - 02 Sept., 2003 Vrnjacka Banja, Serbia, hep-th/0406138.
31. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric  $AdS$  Backgrounds in String and M-theory*, hep-th/0411194, to appear in the proceedings of the 73rd Meeting between Physicists and Mathematicians (A)dS/CFT correspondence Strasbourg, September 11-13, 2003.
32. Andrei Moroianu, Paul-Andi Nagy, Uwe Semmelmann, *Unit Killing Vector Fields on Nearly Kahler Manifolds*, Intern. J.Math. **16** (2005), no. 3, 281–301.
33. Louis, J., *Generalized Calabi-Yau compactifications with D-branes and fluxes*, Fortschritte Der Physik, 53(7-8),(2005), 770-792. doi:10.1002/prop.200410202
34. Simon G. Chiossi, Anna Fino, *Conformally parallel  $G_2$  structures on a class of solvmanifolds*, Math. Z., **252**(2006), no. 4, 825–848; rXiv:math/0409137.
35. Frederik Witt *Generalised  $G_2$ -manifolds*, Commun.Math.Phys. **265** (2006) 275-303.
36. Gurrieri, Sebastien,  *$N=2$  and  $N=4$  supergravities as compactifications from string theories in 10 dimensions*, Ph.D Thesys de l'Universitire de la Mre diterranee, hep-th/0408044.
37. Frederik Witt, *Special metric structures and closed forms*, DPhil Thesis, University of Oxford, 2004, math.DG/0502443.
38. Misha Verbitsky, *An intrinsic volume functional on almost complex 6-manifolds and nearly Kaehler geometry*, Pacific J.Math. **235** (2008), no. 2, 323–344. math.DG/0507179.
39. Claus Jeschek, Frederik Witt, *Generalised geometries, constrained critical points and Ramond-Ramond fields*, May 2011, Fortschritte der Physik 59(5-6):494-517. DOI: 10.1002/prop.201000097

40. Grana, Mariana, *Flux compactifications in string theory: a comprehensive review*, Phys. Rept. **423** (2006),91-158, hep-th/0509003.
41. U.Gran, P.Lohrmann, G.Papadopoulos, *The spinorial geometry of supersymmetric heterotic string backgrounds*, JHEP0602 (2006) 063, hep-th/0510176.
42. U. Gran, P. Lohrmann, G. Papadopoulos, *Geometry of type II common sector  $N=2$  backgrounds*, JHEP 0606 (2006) 049,hep-th/0602250.
43. Gray, James; Hackett-Jones, Emily, *On T-folds,G-structures and Supersymmetry*, JHEP 0605 (2006) 071,hep-th/0506092.
44. Howe, P. S.; Lindstrom, U.; Stojevic, V., *Special holonomy sigma models with boundaries*, JHEP 0601 (2006) 159,hep-th/0507035.
45. Simon G. Chiossi, Anna Fino, *Special metrics in  $G_2$  geometry*, Rev. Un. Mat. Argentina 47 (2006), no. 1, 35-49(2007), math.DG/0510087.
46. I. Agricola, S. Chiossi, A. Fino, *Solvmanifolds with integrable and non-integrable  $G_2$  structures*, Differential Geom. Appl. 25 (2007), no. 2, 125-135.
47. Misha Verbitsky, *Hodge theory on nearly Kaehler manifolds*, Geometry & Topology 15 (2011) 2111-2133 DOI: 10.2140/gt.2011.15.2111.
48. Stojevic, Vid, *Special Holonomy and Two-Dimensional Supersymmetric Sigma-Models*, Ph.D., PhD thesis, 149 pages; King's College London, 2006, arXiv.org:hep-th/0611255.
49. Mario Kassuba, *Der erste Eigenwert des Operators  $D^{\frac{1}{3}}$  einer kompakten Sasaki-Mannigfaltigkeit*, Diplomarbeit, Eingereicht an der Humboldt-Universität zu Berlin Mathematisch-Naturwissenschaftliche Fakultät II Institut für Mathematik am 26. Oktober 2006. available at <http://ems.math.uni-bonn.de/people/kassuba/pubtalks/bb-diplom.pdf>
50. V. Cortés, L. Schäfer, *Flat nearly Kähler manifolds*, Ann. Glob. Anal. Geom. **32** (2007), 379-389.
51. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5-84.
52. Fish, Daniel, *Connections on Metriplectic Manifolds*, math.DG/0605247.
53. Knauf, Anke, *Geometric Transitions on non-Kaehler Manifolds*, Fort. Phys. **55** (2007) 5-107, hep-th/0605283.
54. Iman Benmachiche, *Heterotic and type II orientifold compactifications on  $SU(3)$  structure manifolds*, Dissertation zur Erlangung des Doktorgrades des Departments für Physik der Universität Hamburg, 2006.
55. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
56. Frank Klinker, *The torsion of spinor connections and related structures*, SIGMA 2 (2006), 077, 28 pages;
57. Albuquerque, R.; Salavessa, I. M. C., *The  $G_2$  sphere over a 4-manifold*, Monatshefte für Mathematik **158** (4) (2009), pp. 335-348.
58. Frederik Witt, *Metric bundles of split signature and type II supergravity*, In: H. Baum, D. Alekseevsky (ed.), Recent Developments in Pseudo-Riemannian Geometry pp. 455-494, EMS 2008.
59. Lucio Bedulli, Luigi Vezzoni, *The Ricci tensor of  $SU(3)$ -manifolds*, J. Geom. Phys. **57** (2007),n. 4, 1125-1146,
60. Andrei Moroianu, Liviu Ornea, *Conformally Einstein Products and Nearly Kähler Manifolds*, Ann. Glob. Anal. Geom. **33** (2008), 11-18.
61. Ruxandra Moraru, Misha Verbitsky, *Stable bundles on hypercomplex surfaces*, Cent. Eur. J. Math. 8 (2010), no. 2, 327-337.
62. Keshav Dasgupta, Marc Grisaru, Rhiannon Gwyn, Sheldon Katz, Anke Knauf, Radu Tatar, *Gauge-Gravity Dualities, Dipoles and New Non-Kähler Manifolds*, Nucl.Phys. **B755** (2006) 21-78,hep-th/0605201.
63. Keshav Dasgupta, Marc Grisaru, Rhiannon Gwyn, Sheldon Katz, Anke Knauf, Radu Tatar, *Gauge-Gravity Dualities, Dipoles and New Non-Kähler Manifolds*, Nucl.Phys. **B755** (2006) 21-78,hep-th/0605201.
64. Keshav Dasgupta, Josh Guffin, Rhiannon Gwyn, Sheldon Katz, *Dipole-Deformed Bound States and Heterotic Kodaira Surfaces*, Nuclear Physics B **769** 1 (2007), hep-th/0610001.



65. Zamkovoy, Simeon *Geometry of paraquaternionic Kähler manifolds with torsion*, J. Geom. Phys. **57** (2006), 69–87.
66. I. Agricola, Old and new on the exceptional group  $G_2$ , Notices Amer. Math. Soc. 55, 922–929. Also available at <http://www.ams.org/notices/200808/>.
67. Niels Bernhardt, Paul-Andi Nagy, *On algebraic torsion forms and their spin holonomy algebras*, J. Lie Theory **17**(2007), no. 2, 357–377.
68. Bonan, Edmond, *Connexions pour les variétés riemanniennes avec une structure de type  $G_2$  ou  $Spin(7)$  [Connections for Riemannian manifolds with structure group  $G_2$  or  $Spin(7)$ ]*, C. R. Math. Acad. Sci. Paris **343** (2006), no. 11–12, 755–758.
69. U. Gran, G. Papadopoulos, D. Roest, P. Sloane, *Geometry of all supersymmetric type I backgrounds*, JHEP 08 (2007)074, arXiv:hep-th/0703143.
70. Lars Schäfer, Fabian Schulte-Hengesbach, *Nearly pseudo-Kähler and nearly para-Kähler six-manifolds*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 425–453.
71. Sebastian Stock, *Gauge Deformations and Embedding Theorems for Special Geometries*, arXiv:0909.5549.
72. Christof Puhle, *The Killing spinor equation with higher order potentials*, J. Geom. Phys. **58** (2008), 1355–1375.
73. Simeon Zamkovoy, *Canonical connections on paracontact manifolds*, Ann. Global Anal. Geom. **36**, No. 1, 37–60(2009)
74. R. Albuquerque, *Gwistor spaces*, Herdeiro, Carlos (ed.) et al., XIX international fall workshop on geometry and physics, Porto, Portugal, September 6–9, 2010. Melville, NY: American Institute of Physics (AIP) (ISBN 978-0-7354-0918-7/pbk). AIP Conference Proceedings 1360, 77–81 (2011).
75. L. Schäfer,  *$tt^*$ -geometry and related pluriharmonic maps*, Proceedings of the International Conference “Differential Geometry—Dynamical Systems” (DGDS-2007), 197–210, BSG Proc., 15, Geom. Balkan Press, Bucharest, 2008.
76. L. Schäfer,  *$tt^*$ -geometry and pluriharmonic maps*, Ph.D Thesis, University Henri Poincaré and University of Bonn, 2006, available at  
<http://www.diffgeo.uni-hannover.de/schaefer/download/DR.pdf> or at  
<http://tel.archives-ouvertes.fr/docs/00/14/32/77/PDF/DR.pdf>
77. Christof Puhle, *Spinorielle Feldgleichungen in Supergravitationstheorien mit Flüssen*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht an der Mathematisch-Naturwissenschaftlichen Fakultät, available at  
[http://www.math.hu-berlin.de/puhle/publications\\_files/PhD-Thesis.pdf](http://www.math.hu-berlin.de/puhle/publications_files/PhD-Thesis.pdf)
78. T. B. Madsen, *Torsion geometry and scalar functions*, University of Southern Denmark, qualifying report, August 2009.  
<http://home.imf.au.dk/tbmadsen/DMF-2009-11-003-v1.pdf>
79. U. Gran, G. Papadopoulos, D. Roest, *Supersymmetric heterotic string backgrounds*, Phys.Lett.B656:119–126,2007; arXiv:0706.4407.
80. Paul-Andi Nagy, *Connexions with totally skew-symmetric torsion and nearly-Kähler geometry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 347–398.
81. Fabian Schulte-Hengesbach, *Half-flat structures on Lie groups*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, 2010, available at  
<http://www.math.uni-hamburg.de/home/schulte-hengesbach/diss.pdf>
82. Paul-Andi Nagy, *Prolongations of Lie algebras and applications*, J. Lie Theory, Volume 23, Issue 1, 2013, Pages 1–33.
83. Frank Klinker, *SUSY structures on deformed supermanifolds*, Differential Geom. Appl. **26** (2008), no. 5, 566–582.
84. Klinker, Frank *The decomposition of the spinor bundle of Grassmann manifolds*, In Physics. J. Math. Phys. 48 113511(2007), arXiv.org:0710.3245.

85. Chiossi, Simon G., Fino, Anna, *Nearly integrable SO(3) structures on 5-dimensional Liegroups*, J. Lie Theory **17** (2007), no. 3, 539–562.
86. Capelletti Montano, *3-structures with torsion*, Differ. Geom. Appl. 27, No. 4, 496-506 (2009).
87. Antonio J. Di Scala, Luigi Vezzoni, *Quasi-Kähler manifolds with trivial Chern Holonomy*, Math. Z. 271, No. 1-2, 95-108 (2012).
88. Christof Puhle, *Spin(7)-manifolds with parallel torsion form*, Comm. Math. Phys. **291** (2009), 303-320.
89. Rui Albuquerque, *On the  $G_2$  bundle of a Riemannian 4-manifold*, Journal of Geometry and Physics, Volume 60, Issue 6-8, p. 924-939;arXiv:0808.1714.
90. Jan Gutt, *Special Riemannian geometries and the Magic Square of Lie algebras*, 101 pages, a revised version of M.Sc. thesis presented at Warsaw University, arXiv:0810.2138.
91. Papadopoulos, George; Gran, Ulf *Solution of heterotic Killing spinor equations and special geometr*, . Special metrics and supersymmetry, 144-161, AIP Conf. Proc., 1093, Amer. Inst. Phys., Melville, NY, 2009.
92. Frederic Witt, *Gauge theory in dimension 7*, de Andre's, Luis Carlos (ed.) et al., Special metrics and supersymmetry. Lectures given in the workshop on geometry and physics: special metrics and supersymmetry, Bilbao, Spain, 29–31 May 2008. American Institute of Physics (AIP) (ISBN 978-0-7354-0626-1/pbk). AIP Conference Proceedings 1093, 180-195 (2009).
93. Hiroshi Kunitomo, Mitsuhsa Ohta , *Supersymmetric AdS<sub>3</sub> solutions in Heterotic Supergravity*, Prog. Theor. Phys. 122:631-657,2009, arXiv:0902.0655[hep-th].
94. Lars Schäfer, Knut Smoczyk, *Decomposition and minimality of Lagrangian submanifolds in nearly Kähler manifolds*, Ann. Global Anal. Geom. **37** (2010), no. 3,221–240.
95. Mancho Manev, *Natural connection with totally skew-symmetric torsion on almost contact manifolds with B-metric*, Int. J. Geom. Methods Mod. Phys., vol. 9, no. 5 (2012), 1250044 (20 pages);
96. Fabio Podesta', Andrea Spiro, *Six-dimensional nearly Kaehler manifolds of cohomogeneity one*, J. Geom. Phys. 60, No. 2, 156-164 (2010).
97. Kim, E.C., *Dirac eigenvalues estimates in terms of divergencefree symmetric tensors*, Bulletin of the Korean Mathematical Society **46** (5) (2009), pp. 949-966.
98. Raquel Villacampa, *Special metric on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
99. Mancho Manev, Dimitar Mekerov, Kostadin Gribachev, *Natural Connections with Totally Skew-Symmetric Torsion on Manifolds with Norden-type Metrics*, Proc. Ann. Intern. Conference, 10-12 December, 2010 Plovdiv, Bulgaria (REMI 2010), pp. 55-67.
100. A.Sarkar, S.K.Das, L.E.Ali, K.M.Alam, M.A.Hakim, *A note on contact manifolds and applications*, Khulna Univ. Stud., pp. 233–242, 2010., DOI: <https://doi.org/10.53808/KUS.2010.10.1and2.0906-E>.
101. Lars Schfer, *On the structure of nearly pseudo-Kähler manifolds*, Monatshefte f"ur Mathematik **163** (2011), no. 3, 339-371.
102. Enrico Goi, *Aspects of supersymmetry breaking type IIA string theory: vacua and deformations*, These de doctorat Specialite: Physique Theorique, UNIVERSITE PARIS DIDEROT (PARIS 7), September 2011. <http://ipht.cea.fr/Docspht/articles/t11/227/public/these-goi.pdf>
103. George Papadopoulos, *Heterotic supersymmetric backgrounds with compact holonomy revisited*, Class.Quant.Grav.27:125008,2010,;
104. Antonio J. Di Scala, Luigi Vezzoni, *Chern-flat and Ricci-flat invariant almost Hermitian structures*, Ann. Glob. Anal. Geom. **40** (2011), 21-45.
105. Marisa Fernandez, Anna Fino, Luis Ugarte, Raquel Villacampa, *Strong Kaehler with torsion structures from almost contact manifolds*, Pacific J. Math. 249 (2011), no. 1, 49-75.
106. Mancho Manev, Kostadin Gribachev, *A connection with parallel totally skew-symmetric torsion on a class of almost hypercomplex manifolds with Hermitian and anti-Hermitian metrics*, Int. J. Geom. Methods Mod. Phys., 8, No. 1 (2011), 115-131.
107. Rui Albuquerque, *Variations of gwistor space*, Port. Math. 70 (2013), no. 2, 145-160.
108. Luis Ugarte, Raquel Villacampa, *Non-nilpotent complex geometry of nilmanifolds and heterotic supersymmetry*, Asian J. Math. Volume 18, Number 2 (2014), 229-246. arXiv:0912.5110.

109. Mancho Manev, Dimitar Mekerov, Kostadin Gribachev, *On the Geometry of Connections with Totally Skew-Symmetric Torsion on Manifolds with Additional Tensor and Indefinite metric*, Differential Geom. Appl. **29** (2011), S141–S148.
110. Dimitar Mekerov, Mancho Manev, *Natural Connection with Totally Skew-Symmetric Torsion on Riemannian Almost Product Manifolds*, International Journal of Geometric Methods in Modern Physics, Vol. 9, No. 1 (2012) 1250003.
111. Stromenger, Christian, *Sasakian Manifolds: Differential Forms, Curvature and Conformal Killing Forms* (2010), PhD thesis, Universität zu Köln; <http://kups.ub.uni-koeln.de/3275/>
112. Christof Puhle, *Riemannian manifolds with structure group  $PSU(3)$* , J. Lond. Math. Soc., II. Ser. 85, No. 1, 79-100 (2012).
113. Calvaruso, G., *Homogeneous contact metric structures on five-dimensional generalized symmetric spaces*, Publ. Math. Debrecen In Print: Ref. no.: 5244 (2012), 1-24.
114. Andrea Spiro, Fabio Podesta', *Six-dimensional nearly Kaehler manifolds of cohomogeneity one (II)*, Comm. Math. Phys. 312 (2012), no. 2, 477-500.
115. P.S. Howe, George Papadopoulos, Vid Stojevic, *Covariantly constant forms on torsionful geometries from world-sheet and spacetime perspectives*, JHEP, Volume 2010, Number 9, 1-33; arXiv:1004.2824.
116. Karl-Philip Gemmer, Olaf Lechtenfeld, Christoph Nölle, Alexander D. Popov, *Yang-Mills instantons on cones and sine-cones over nearly Kaehler manifolds*, J. High Energy Phys. 2011, no. 9, 103, 25 pp.
117. U. Gran, J. Gutowski, G. Papadopoulos, *IIB black hole horizons with five-form flux and KT geometry*, JHEP 1105:050, 2011
118. Bogdan Alexandrov, Uwe Semmelmann, *Deformations of nearly parallel  $G_2$ -structures*, Asian J. Math. 16 (2012), no. 4, 713-744.
119. Hwajeong Kim, *The characteristic connection on 6-dimensional almost hermitian manifolds*, Journal of the Chungcheong Mathematical Society, Volume 24, No. 4, December 2011.
120. Rui Albuquerque, *On the characteristic connection of twistor space*, Cent. Eur. J. Math. 11(1), 2013, 149-160, arXiv:1107.5357.
121. O. P. Santillan, *Killing-Yano tensors and some applications*, Journal of Mathematical Physics 53 (2012) 043509, arXiv:1108.0149.
122. Christof Puhle, *Almost contact metric 5-manifolds and connections with torsion*, Diff. Geom. Appl. **30** (1)(2012), 85-106;
123. Selman Uguz, *Lee form and special warped-like product manifolds with locally conformally parallel  $Spin(7)$  structures*, Ann. Glob. Anal. Geom. Volume 43, Issue 2, 2013, Pages 123-141.
124. Derek Harland, Christoph Nölle, *Instantons and Killing spinors*, Journal of High Energy Physics 2012 (3), art. no. 082.
125. G. Papadopoulos, *Killing-Yano equations with torsion, world line actions and  $G$ -structures*, Classical Quantum Gravity 29 (2012), no. 11, 115008, 14 pp.
126. Idrisse Khemar, **Elliptic Integrable Systems: a Comprehensive Geometric Interpretation**, Memoirs of the AMS, Volume 219, Number 1031, September 2012. (arXiv:0904.1412).
127. Christoph Stadtmüller, *Adapted connections on metric contact manifolds*, J. Geom. Phys. **62** (2012), pp. 2170-2187.
128. Tsuyoshi Houri, David Kubiznak, Claude M. Warnick, Yukinori Yasui, *Local metrics admitting a principal Killing-Yano tensor with torsion*, Classical and Quantum Gravity, Volume 29, Issue 16, pp. 165001 (2012), arXiv:1203.0393
129. Tsuyoshi Houri, Hiroshi Takeuchi, Yukinori Yasui, *A Deformation of Sasakian Structure in the Presence of Torsion and Supergravity Solutions*, Class. Quant. Grav. 30:135008,2013, arXiv:1207.0247.
130. Karigiannis, S., McKay, B., Tsui, M.-P., *Soliton solutions for the Laplacian co-flow of some  $G_2$ -structures with symmetry*, Differential Geometry and its Application, Volume 30, Issue 4, August 2012, Pages 318-333.
131. Diego Conti, Thomas Bruun Madsen, *The odd side of torsion geometry*, Annali di Matematica Pura ed Applicata (1923 -) August 2014, Volume 193, Issue 4, pp 1041-1067.
132. Christof Puhle, *On generalized quasi-Sasaki manifolds*, Diff. Geom. Appl. Volume 31, Issue 2, April 2013, Pages 217-229.

133. Ilka Agricola, Julia Becker-Bender, Hwajeong Kim, *Twistorial eigenvalue estimates for generalized Dirac operators with torsion*, Advances in Mathematics **243**, (2013), pp. 296-329.
134. Vezzoni, Luigi, *On the canonical Hermitian connection in nearly Kähler manifolds*, Kodai Math. J. **32** (2009), no. 3, 420-431.
135. Ilka Agricola, Ana Cristina Ferreira. *Einstein manifolds with skew torsion*, arXiv:1209.5886.
136. C. Nölle, *Instantons, five-branes and fractional strings*, arXiv:1207.7268.
137. Marco Freibert, *Cocalibrated  $G_2$ -structures on products of four- and three-dimensional Lie groups*, Diff. Geom. Appl. **31** (3) 2013, pp. 349-373.
138. Brian P. Dolan, Richard J. Szabo, *Solitons and Yukawa Couplings in Nearly Kahler Flux Compactifications*, PHYSICAL REVIEW D **88**, 066002 (2013); arXiv:1208.1006.
139. Idrisse Khemar, *Sigma models with a Wess-Zumino term in twistor spaces*, hal-00767001, version 1; <http://hal.archives-ouvertes.fr/hal-00767001>
140. Calvaruso, Giovanni; Fino, Anna, *Five-dimensional K-contact Lie algebras*, Monatsh. Math. **167** (2012), no. 1, 35-59.
141. Mancho Manev, Miroslava Ivanova, *Canonical-type connection on almost contact manifolds with B-metric*, Ann. Glob. Anal. Geom. (2012); arXiv:1203.0137.
142. A. Fino, A. Raffero, *Einstein locally conformal calibrated  $G_2$  structures*, Mathematische Zeitschrift, August 2015, Volume 280, Issue 3, pp 1093-1106.
143. Mancho Manev, Miroslava Ivanova, *A classification of the torsion tensors on almost contact manifolds with B-metric*, Central European Journal of Mathematics, October 2014, Volume 12, Issue 10, pp 1416-1432; arXiv:1105.5715.
144. Carolina Ray, *Variedades aproximadamente Kähler*, advisor I.Dotti, Cordoba 2013; available at: <http://www2.famaf.unc.edu.ar/institucional/biblioteca/trabajos/601/16832.pdf>
145. Marco Freibert, *Geometric structures on Lie algebras and the Hitchin flow*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, Hamburg 2013.
146. Selman Uguz, *Conformally parallel Spin (7) structures on solvmanifolds*, Turk. J. Math. (2014) 38: 166-178.
147. Julia Becker-Bender, *Dirac-Operatoren und Killing-Spinoren mit Torsion*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht am Fachbereich Mathematik und Informatik (FB 12) der Philipps-Universität Marburg, 2013, available at <http://archiv.ub.uni-marburg.de/diss/z2013/0049/pdf/djb.pdf>
148. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
149. Takeuchi, Hiroshi, *Sasakian Exact Solutions for Spinning Black Holes in Superstring Inspired Gravities*, Thesis of Dissertation, Kyoto University, March, 2013, available at: <http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/179367/2/drigrk03893.pdf>
150. Ilka Agricola, Jos Höll, *Cones of  $G$  manifolds and Killing spinors with skew torsion*, Ann. Mat. Pura Appl., Volume 194, Issue 3 (2015), pp 673-718, <https://doi.org/10.1007/s10231-013-0393-z>
151. Georges Habib, Luigi Vezzoni, *Some remarks on Calabi-Yau and hyper-Kähler foliations*, Differential Geom. Appl. **41** (2015), 12-32.
152. Sebastian Stock, *Evolution of Geometries with torsion*, Inaugural-Dissertation zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen Fakultät der Universität zu Köln, available at: <http://www.igt.uni-stuttgart.de/LstGeo/Semmelmann/Diplomarbeiten/stock-diss.pdf>
153. Ilka Agricola and Hwajeong Kim, *A note on generalized Dirac eigenvalues for split holonomy and torsion*, Bull. Korean Math. Soc. **51** (2014), no. 6, 1579-1589.
154. Lars Schäfer, *Conical Ricci-flat nearly para-Kähler manifolds*, Annals of Global Analysis and Geometry, **45** (2014), no. 1, 11-24
155. Rui Albuquerque, *Self-duality and associated parallel or cocalibrated  $G_2$  structures*, Ann. Acad. Sci. Fenn. Math. **45** (2020), 325-342.

156. Selman Uguz, Ibrahim Unal, *Fiber structures of special  $(4 + 3 + 1)$  warped-like manifolds with Spin(7) holonomy*, Int. J. Geom. Methods Mod. Phys. 11 (2014), no. 8, 1450076, 23 pp.
157. G.Dileo, A. Lotta, *Riemannian almost CR manifolds with torsion*, Illinois J. Math. **58** (2014), no. 3, 807-846.
158. Xenia de la Ossa, Eirik E. Svanes, *Holomorphic Bundles and the Moduli Space of  $N=1$  Heterotic Compactifications*, J. High Energy Phys. 2014, no. 10, 123, front matter+54 pp.
159. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
160. Ioannis Chrysikos, *Invariant connections with skew-torsion and  $\nabla$ -Einstein naturally reductive manifolds*, Journal of Lie Theory Volume 26 (2016) 11-48.
161. Severin Bunk, Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, *Instantons on conical half-flat 6-manifolds*, Journal of High Energy Physics January 2015, 2015:30, arXiv:1409.0030.
162. Beniamino Cappelletti-Montano, Giulia Dileo, *Nearly Sasakian geometry and  $SU(2)$ -structures*, Ann. Mat. Pura Appl. (4) 195 (2016), no. 3, 897-922.
163. Kazuki Hinoue, Yukinori Yasui, *Heterotic Solutions with  $G_2$  and Spin(7) Structures*, JP Journal of Geometry and Topology 17.1 (Feb 2015): 17-48.
164. Elena Mirela Babalic, Calin Iuliu Lazaroiu, *Foliated eight-manifolds for M-theory compactification*, JHEP01(2015)140; arXiv:1411.3148[hep-th].
165. Eirik Eik Svanes, *Moduli in General  $SU(3)$ -Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.
166. I. Agricola, A. Ferreira, R. Storm, *Quaternionic Heisenberg groups as naturally reductive homogeneous spaces*, Int. J. Geom. Methods Modern Phys (IJGMMP), 12 (2015), no. 8, 1560007, 10 pp.
167. Hwajeong Kim, *A family of characteristic connections* JOURNAL OF THE CHUNGCHONG MATHEMATICAL SOCIETY Volume 26 , No. 4, November 2013. [22]  
<http://dx.doi.org/10.14403/jcms.2013.26.4.843>
168. Mehmed Akyol, *Six Dimensional Supergravity, Spinorial Geometry and  $(1,0)$ -Superconformal Theories*, Thesis submitted for the degree of Doctor of Philosophy King's College London University of London, 2012.
169. Severin Bunk, *Heterotic Flux Compactifications with Sasakian Manifolds*, Master Thesis in Institut für Theoretische Physik Gottfried Wilhelm Leibniz Universität Hannover, 2014.  
available at <https://www.itp.uni-hannover.de/lechtenf/Theses/bunk.pdf>
170. F. Lubbe, L. Schäfer, *Pseudo-holomorphic curves in nearly Kähler manifolds*- Diff. Geom. Appl. **36** (2014), 24-43.
171. Anna Fino, Luigi Vezzoni, *Special Hermitian metrics on compact solvmanifolds*, Journal of Geometry and Physics Volume 91, May 2015, Pages 40-53, Conformal and Complex Geometry in Honour of Paul Gauduchon
172. Ulf Danielsson, Giuseppe Dibitetto, Adolfo Guarino, *KK-monopoles and G-structures in M-theory/type IIA reductions*, Journal of High Energy Physics, February 2015, 2015:96.
173. Lars Schäfer, *Integrability of generalized pluriharmonic maps*, manuscripta math. **146**, 473-493 (2015).
174. Cristina Draper, Antonio Garvun, Francisco J. Palomo, *Invariant affine connections on odd-dimensional spheres*, Annals of Global Analysis and Geometry, April 2016, Volume 49, Issue 3, pp 213-251.
175. Anna Fino, Alberto Raffero, *Coupled  $SU(3)$ -structures and Supersymmetry*, Symmetry 2015, 7(2), 625-650; doi:10.3390/sym7020625.
176. Dileo, Giulia; Lotta, Antonio, *Some Einstein nilmanifolds with skew torsion arising in CR geometry*, Int. J. Geom. Methods Mod. Phys. **12** (2015), no. 8, 1560017, 6 pp
177. Teng Fei, *Stable Forms, Vector Cross Products and Their Applications in Geometry*, arXiv:1504.02807. v.2 (2018).
178. Ioannis Chrysikos, *Killing and twistor spinors with torsion*, Annals of Global Analysis and Geometry (2015), pp 1-37.
179. Ilka Agricola, Margarita Kraus, *Manifolds with vectorial torsion*, Differential Geometry and its Applications, Volume 45, April 2016, Pages 130-147.

180. Mancho Manev, *Associated Nijenhuis Tensors on Manifolds with Almost Hypercomplex Structures and Metrics of Hermitian-Norden Type*, Results in Mathematics, June 2017, Volume 71, Issue 3, pp 1327-1343, doi:10.1007/s00025-016-0624-x
181. Benoit Charbonneau, Derek Harland, *Deformations of nearly Kahler instantons*, Commun. Math. Phys. December 2016, Volume 348, Issue 3, pp 959-990, doi:10.1007/s00220-016-2675-y.
182. Carlos Batista, *Killing Spinors and Related Symmetries in Six Dimensions*, Phys. Rev. D 93, 065002 – Published 2 March 2016.
183. F. Etayo, R. Santamaria, *Distinguished connections on  $(J^2 = \pm 1)$ -metric manifolds*, Archivum Mathematicum (BRNO) Tomus 52 (2016), 159-203.
184. Ilka Agricola, Ana Cristina Ferreira, *Tangent Lie groups are Riemannian naturally reductive spaces*, arXiv:1603.06211; Advances in Applied Clifford Algebras, March 2016.
185. Hai Lin,  *$T^4$  fibrations over Calabi-Yau two-folds and non-Kahler manifolds in string theory*, Nuclear Physics B, doi:10.1016/j.nuclphysb.2016.06.006 Available online 8 June 2016.
186. Mancho Manev, *Natural Connections with Totally Skew-Symmetric Torsion on Manifolds with Almost Contact 3-Structure and Metrics of Hermitian-Norden Type*, C. R. Acad. Bulgare Sci. 70 (2017), no. 11, 1485-1492.
187. Alberto Raffero, *Non-integrable special geometric structures in dimensions six and seven*, Ph.D Thesis, Universita degli Studi di Torino, Dipartimento di Matematica Scuola di Dottorato in Scienze della Natura e Tecnologie Innovative Ciclo XXVIII, March 2016, Tutor: Prof. Anna Fino, Coordinatore del Dottorato: Prof. Ezio Venturino, Anni Accademici: 2013-2015 Settore Scienti co-disciplinare di afferenza: MAT/03. [https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero thesis.pdf](https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero%20thesis.pdf)
188. R. Storm, *A new construction of naturally reductive spaces*, Transform. Groups 23 (2018), no. 2, 527-553.
189. Ulf Gran, George Papadopoulos, Christian von Schultz, *Supersymmetric geometries of IIA supergravity III*, Journal of High Energy Physics 2016(6) · February 2016 DOI: 10.1007/JHEP06(2016)045.
190. Peter B Gilkey, *The moduli space of Type A surfaces with torsion and non-singular symmetric Ricci tensor*, Journal of Geometry and Physics Volume 110, December 2016, Pages 69–77.
191. Peter Gilkey, JeongHyeong Park, *Moduli spaces of oriented Type A manifolds of dimension at least 3*, J. Korean Math. Soc. 54 (2017), no. 6, 1759-1786.
192. Ioannis Chrysikos, Christian O'Cadiz Gustad, Henrik Winther, *Invariant connections and  $\nabla$ -Einstein structures on isotropy irreducible spaces*, J. Geom. Phys. 138 (2019), 257-284.
193. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
194. 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>.
195. Bang-Yen Chen, **Differential Geometry of Warped Product Manifolds and Submanifolds**, January 2017, Publisher: World Scientific, ISBN: 978-981-3208-92-6
196. Nulifer OZDEMIR, Sirin AKAY, *Integrable  $G_2$  Structures on 7-dimensional 3-Sasakian Manifolds*, Suleyman Demirel Universitet Journal of Natural and Applied Sciences, Volume 21, Issue 1, 254-260, 2017, DOI: <http://dx.doi.org/10.19113/sdufed.54977>.
197. Ioannis Chrysikos, *A new 1/2-Ricci type formula on the spinor bundle and applications*, Adv. Appl. Clifford Algebr. 27 (2017), no. 4, 3097-3127.
198. Ilka Agricola and Giulia Dileo, *New classes of almost 3-contact metric manifolds and their remarkable connections* Preprint, April 17, 2017.
199. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *The infinitesimal moduli space of heterotic  $G_2$  systems*, Comm. Math. Phys. 360 (2018), no. 2, 727-775.
200. Fernando Etayo, Rafael Santamaria, *The canonical involution in the space of connections of a  $(J^2 = \pm 1)$ -metric manifold*, arXiv:1705.11135.
201. 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>.
202. Mancho Manev, *On Geometry of Manifolds with Some Tensor Structures and Metrics of Norden Type*, Thesis for: Doctor of Sciences in Mathematics, 2017, DOI: 10.13140/RG.2.2.33038.05446. arXiv:1706.05505.

203. Christoph Martin Stadtmüller, *Horizontal Dirac Operators in CR Geometry*, PH.D. Thesis, Humboldt University Berlin, July 2017.  
<https://edoc.hu-berlin.de/bitstream/handle/18452/18801/stadtmueller.pdf?sequence=1&isAllowed=y>
204. Lars Schäher, **Nearly Pseudo-Kähler Manifolds and Related Special Holonomies**, Lecture Notes in Mathematics, Volume 2201, 2017; DOI 10.1007/978-3-319-65807-0
205. N. Heidari, N.H.P. Kashani, B. Najafi, *Nearly Kaehler and Nearly Kenmotsu Manifolds*, Turkish Journal of Mathematics 42 (3) 2018, DOI: 10.3906/mat-1703-11
206. Niall T. Macpherson, Jesus Montero, Daniel Prins, *Mink<sub>3</sub> × S<sup>3</sup> solutions of type II supergravity*, Nucl. Phys. B **933** (2018), 185-233.
207. 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
208. Lucia Martin-Merchan, *Spinorial classification of Spin(7) structures*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XXI (2020), pp. 873-910.
209. 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.
210. Fernando Etayo, Araceli deFrancisco, Rafael Santamaria *The Chern Connection of a (J<sup>2</sup> = ±1)-Metric Manifold of Class G<sub>1</sub>*, Mediterr. J. Math. 15 (2018), no. 4, Paper No. 157, 20 pp. DOI: 10.1007/s00009-018-1207-8
211. 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>.
212. F. Leitner, *Parallel spinors and basic holonomy on pseudo-Hermitian geometry*, Annals of Global Analysis and Geometry 55 (2019), no. 2, 181-196.
213. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
214. 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
215. 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.
216. Reinier Storm, *Structure theory of naturally reductive spaces*, Differential Geom. Appl. 64 (2019), 174-200.
217. 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.
218. 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/>
219. Kamil Niedzialomski, *Harmonic SU(3)- and G<sub>2</sub>-structures via spinors*, Results Math. 75 (2020), no. 3, Paper No. 118, 18 pp.
220. Pawel Nurowski, *On certain classes of Sp(4, R) symmetric G<sub>2</sub> structures*, Ann Glob Anal Geom **59** (2021), 233-244. <https://doi.org/10.1007/s10455-020-09747-0>
221. Ioannis Chrysikos, *A note on the volume of ∇-Einstein manifolds with skew-torsion*, August 2020, Communications in Mathematics, DOI: 10.2478/cm-2020-0009.
222. Paul-Andi Nagy, Liviu Ornea, *Conformal foliations, Kähler twists and the Weinstein construction*, arXiv:1909.11499.
223. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
224. Ilka Agricola, Verena Bägelein, Frank Duzaar, *In memoriam Thomas Friedrich (1949–2018)*, November 2019, Annals of Global Analysis and Geometry 56(4).
225. 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

226. 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
227. 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.
228. 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)
229. Zeynab Didekhani, Behzad Najafi, Nikrooz Heidari, *On Nearly Kähler Finsler Spaces*, Appl. Appl. Math. 14 (2019), no. 2, 1243-1268.
230. 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.
231. 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>
232. 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.
233. Adrian Andrada, Giulia Dileo, *Odd dimensional counterparts of abelian complex and hypercomplex structures*, October 2022, Mathematische Nachrichten DOI: 10.1002/mana.202000599.
234. Vladimir Rovenski, Tomasz Zawadzki, *The Einstein-Hilbert type action on metric-affine almost-product manifolds*, July 2020, arXiv:2007.12406.
235. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
236. 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
237. Andrei Moroianu, Mihaela Pilca, *Metric connections with parallel twistor-free torsion*, June 2021, International Journal of Mathematics, DOI: 10.1142/S0129167X21400115.
238. Ragini Singhal, *Deformations of G2-instantons on nearly G2 manifolds*, June 2022 Annals of Global Analysis and Geometry, vol. 62 (2022), DOI: 10.1007/s10455-022-09853-1.
239. 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](http://www.math.columbia.edu/~anabasheva/tangent_nature_red.pdf)
240. 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
241. 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.
242. 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.
243. Bogdan Balcerzak, *On Symmetric Brackets Induced by Linear Connections*, June 2021, Symmetry 13(6):1003, DOI: 10.3390/sym13061003.
244. S.V. Galaev, *N-Einstein almost contact metric manifolds*, Vestnik Tomskogo gosudarstvennogo universiteta. Matematika i mekhanika, 2021. № 70. DOI: 10.17223/19988621/70/1.
245. 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>
246. Sergey V. Galaev, *Almost quasi-Sasakian manifolds equipped with skew-symmetric connectiona*, rXiv:2108.03659.
247. 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.
248. 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



249. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic  $G_2$  system*, arXiv:2111.13221.
250. 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.
251. Fabio Podesta, Alberto Raffero, *Bismut Ricci flat manifolds with symmetries*, July 2022, Proceedings of the Royal Society of Edinburgh Section A Mathematics DOI: 10.1017/prm.2022.49.
252. 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.
253. Igor Ernst, Anton S. Galaev, *On Lorentzian connections with parallel skew torsion*, Jan 2022, Documenta mathematica Journal der Deutschen Mathematiker-Vereinigung 27:2333-2383. DOI: 10.4171/dm/x31
254. Ilka Agricola, Jordan Hofmann, Marie-Amelie Lawn, *Invariant Spinors on Homogeneous Spheres*, aAug 2023, Differential Geometry and its Applications 89(3):102014, DOI: 10.1016/j.difgeo.2023.102014arXiv:2203.02961.
255. 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).
256. Francisco Martin Cabrera, *Remarks on some integral formulas for  $G_2$ -structures*, arXiv:2204.12838.
257. 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>.
258. Shengda Hu, *Differential calculus for generalized geometry and geometric Lax flows*, October 2024, Pacific Journal of Mathematics 331 (1):23-76. DOI: 10.2140/pjm.2024.331.23
259. 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](https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y).
260. Daniele Farotti, *Heterotic de-Sitter Solutions* DOI: 10.48550/arXiv.2206.05190.
261. Izar Alonso, *Coclosed  $G_2$ -structures on  $SU(2)^2$ -invariant cohomogeneity one manifolds*, 2025 Annals of Global Analysis and Geometry 67(1):1-23 DOI: 10.1007/s10455-024-09981-w
262. Leander Stecker, *Canonical Submersions in Nearly Kaehler Geometry*, arXiv:2211.14012.
263. 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.
264. 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.
265. Adrian Andrada, Alejandro Tolcachier, *Harmonic complex structures and special Hermitian metrics on products of Sasakian manifolds*, (2024) Journal of Geometric Analysis 34(6) DOI: 10.1007/s12220-024-01620-x.
266. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
267. Igor Ernst, Anton S. Galaev, *Lorentzian connections with parallel twistor-free torsion*, Collectanea Mathematica (2024), DOI: 10.1007/s13348-023-00430-8.
268. 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
269. Andrew Clarke, Viviana del Barco, Andres J. Moreno,  *$G_2$ -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
270. 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.
271. 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

272. David N. Pham, Fei Ye, *Left-invariant Hermitian connections on Lie groups with almost Hermitian structures*, December 2024, Glasnik Matematički 59(2):417-460.
273. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
274. 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>.
275. Andoni De Arriba De La Hera, *Supersymmetric Vertex Algebras and Killing Spinors*, Tesis Doctoral, Universidad Complutense de Madrid Facultad de Ciencias Matematicas, 2022.
276. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of  $G_2$ -structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
277. 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.
278. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
279. Mateo Galdeano, Leander Stecker, *The heterotic  $G_2$  system with reducible characteristic holonomy*, arXiv:2403.00084.
280. C. Zosangzuala, Jay Prakash Singh, *Characterization of almost  $*$ -Ricci-Yamabe solitons isometric to a unit sphere*, March 2024 Novi Sad Journal of Mathematics, DOI: 10.30755/NSJOM.15576.
281. Aginaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled  $G_2$ -instantons*, arXiv:2404.12937.
282. C. S. Shahbazi, *Differential spinors and Kundt three-manifolds with skew-torsion*, arXiv:2405.03756 .
283. Pietro Ferrero,  *$D_6$  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.
284. 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](https://kclpure.kcl.ac.uk/ws/portalfiles/portal/219944956/2023_Hofmann_Jordan_1899557_thesis.pdf)
285. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
286. Jock McOrist, Martin Sticka, and Eirik Eik Svanes, *The physical moduli of heterotic  $G_2$  string compactifications*, arXiv:2409.13080 .
287. Aliya Vladimirovna Bukushevan Sergei Vasil'evich Galaev, *Geometry of sub - Riemannian manifolds equipped with a semimetric quarter - symmetric connection*, September 2024k Ufimskii Matematicheskii Zhurnal 16(2):26-35 DOI: 10.13108/2024-16-2-26
288. Jun-ichi Inoguchi, *Homogeneous Riemannian Structures in Thurston Geometries and Contact Riemannian Geometries*, September 2024, International Electronic Journal of Geometry, vol. 17 no. 2 page 559-659 (2024). DOI: [HTTPS://DOI.ORG/10.36890/IEJG.1464086](https://doi.org/10.36890/IEJG.1464086).
289. Georgios Papadopoulos, *Scale and Conformal Invariance in Heterotic  $\sigma$ -Models*, arXiv:2409.01818.
290. Andrei Moroianu, Uwe Semmelmann, Gregor Weingart, *Quaternion-Kähler manifolds with non-negative quaternionic sectional curvature*, arXiv:2412.00385.
291. Aaron Naberm Andre Nevesn, Eleonora Di Nezza, Burkhard Wilking, *Geometrie*, November 2024, Oberwolfach Reports 21(2):1563-1614 DOI: 10.4171/owr/2024/28
292. Xenia de la Ossa, Mateo Galdeano, Enrico Marchetto, *SW-algebras and strings with torsion*, December 2024, DOI: 10.48550/arXiv.2412.13904.
293. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Quantum aspects of heterotic  $G_2$  systems*, December 2024, DOI: 10.48550/arXiv.2412.14715.
294. Anna Fino, Udhav Fowdar, *Some remarks on strong  $G_2$ -structures with torsion*, arXiv:2502.06066.
295. Jock McOrist, Martin Sticka and Eirik Eik Svanes, *The heterotic  $G_2$  moduli space metric*, arXiv:2502.16093.
296. Andoni De Arriba de La Hera, Mateo Galdeano, Mario Garcia-Fernandez,  *$G_2$ -structures with torsion and the deformed Shatashvili-Vafa vertex algebra*, <https://doi.org/10.48550/arXiv.2502.02769>.

29. "Almost contact manifolds, connections with torsion, and parallel spinors (with Th. Friedrich), *J. reine angew.Math.*, 559 (2003), 217-236. *IF* - 0.719

цитирования - 37.

1. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5-84.
2. Mario Kassuba, *Der erste Eigenwert des Operators  $D^{\frac{1}{3}}$  einer kompakten Sasaki-Mannigfaltigkeit*, Diplomarbeit, Eingereicht an der Humboldt-Universität zu Berlin Mathematisch-Naturwissenschaftliche Fakultät II Institut für Mathematik am 26. Oktober 2006. available at <http://ems.math.uni-bonn.de/people/kassuba/pubtalks/bb-diplom.pdf>
3. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
4. Beniamino Cappelletti Montano, Antonio De Nicola, Giulia Dileo, *3-quasi-Sasakian manifolds*, Ann. Glob. Anal. Geom.,**33** (2008), 397-409.
5. Christof Puhle, *The Killing spinor equation with higher order potentials*, J. Geom. Phys. **58** (2008), 1355-1375.
6. Beniamino Cappelletti Montano, Antonio De Nicola, Giulia Dileo, *A Note on 3-quasi-Sasakian Geometry*, Fernandes, Rui Loja (ed.) et al., Geometry and physics. XVI international fall workshop, Lisbon, Portugal, September 5-8, 2007. Melville, NY: American Institute of Physics (AIP) (ISBN 978-0-7354-0546-2/hbk). AIP Conference Proceedings 1023, 123-137 (2008). arXiv:0711.4749.
7. Christof Puhle, *Spinorielle Feldgleichungen in Supergravitationstheorien mit Flüssen*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht an der Mathematisch-Naturwissenschaftlichen Fakultät, available at [http://www.math.hu-berlin.de/puhle/publications\\_files/PhD-Thesis.pdf](http://www.math.hu-berlin.de/puhle/publications_files/PhD-Thesis.pdf)
8. Beniamino Cappelletti Montano, Antonio De Nicola, Giulia Dileo, *The geometry of a 3-quasi-Sasakian manifold*, Intern.J. Math. 20 (2009), 1081-1105.
9. Kim, E.C., *Dirac eigenvalues estimates in terms of divergence free symmetric tensors*, Bulletin of the Korean Mathematical Society **46** (5) (2009), pp. 949-966.
10. Raquel Villacampa, *Special metric on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
11. Chand de, U., Mondal, A.K., *Quarter-symmetric metric connection on 3-dimensional quasi-sasakian manifolds*, SUT Journal of Mathematics **46** (1) (2010), pp. 35-52.
12. Avijit Sarkar and Matilal Sen, *On invariant submanifolds of trans-Sasakian manifolds*, Proceedings of the Estonian Academy of Sciences, 2012, 61, 1, 29-37 doi: 10.3176/proc.2012.1.04 Available online at [www.eap.ee/proceedings](http://www.eap.ee/proceedings).
13. Abul Kalam Mondal and Avik De, *Some Theorems on 3-dimensional Quasi-Sasakian Manifolds*, Tamsui Oxford Journal of Information and Mathematical Sciences 27(4) (2011) 411-427 Aletheia University.
14. Mancho Manev, *Natural connection with totally skew-symmetric torsion on almost contact manifolds with B-metric*, Int. J. Geom. Methods Mod. Phys., vol. 9, no. 5 (2012), 1250044 (20 pages);
15. Tsuyoshi Houri, Hiroshi Takeuchi, Yukinori Yasui, *A Deformation of Sasakian Structure in the Presence of Torsion and Supergravity Solutions*, Class. Quant. Grav. 30:135008,2013, arXiv:1207.0247.
16. Diego Conti, Thomas Bruun Madsen, *The odd side of torsion geometry*, Annali di Matematica Pura ed Applicata (1923 -) August 2014, Volume 193, Issue 4, pp 1041-1067.
17. Mancho Manev, Miroslava Ivanova, *Canonical-type connection on almost contact manifolds with B-metric*, Ann. Glob. Anal. Geom. (2012), arXiv:1203.0137.
18. Ilka Agricola, Julia Becker-Bender, Hwajeong Kim, *Twistorial eigenvalue estimates for generalized Dirac operators with torsion*, Advances in Mathematics **243**, (2013), pp. 296-329.
19. Christof Puhle, *On generalized quasi-Sasaki manifolds*, Diff. Geom. Appl. Volume 31, Issue 2, April 2013, Pages 217-229.
20. Julia Becker-Bender, *Dirac-Operatoren und Killing-Spinoren mit Torsion*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht am Fachbereich Mathematik und Informatik (FB 12) der Philipps-Universität Marburg, 2013. available at <http://archiv.ub.uni-marburg.de/diss/z2013/0049/pdf/djb.pdf>

21. Mancho Manev, Miroslava Ivanova, *A classification of the torsion tensors on almost contact manifolds with B-metric*, Central European Journal of Mathematics, October 2014, Volume 12, Issue 10, pp 1416-1432; arXiv:1105.5715.
  22. Takeuchi, Hiroshi, *Sasakian Exact Solutions for Spinning Black Holes in Superstring Inspired Gravities*, Thesys of Dissertation, Kyoto University, March, 2013, available at: <http://repository.kulib.kyoto-u.ac.jp/dspace/bitstream/2433/179367/2/drigrk03893.pdf>
  23. Ilka Agricola and Hwajeong Kim, *A note on generalized Dirac eigenvalues for split holonomy and torsion*, Bull. Korean Math. Soc. 51 (2014), no. 6, 1579-1589.
  24. De, U.C., Mondal, A.K., *3-dimensional quasi-sasakian manifolds and Ricci solitons*, SUT Journal of Mathematics Volume 48, Issue 1, 2012, Pages 71-81.
  25. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
  26. Binh, T.Q., De, A., *On contact CR-warped product submanifolds of a quasi-Sasakian manifold*, Publicationes Mathematicae 84 (1-2), pp. 123-137.
  27. Fino, Anna; Nurowski, Pawel, *Analog of selfduality in dimension nine*, J. Reine Angew. Math. **699** (2015), 67-110.
  28. Peter B Gilkey, *The moduli space of Type A surfaces with torsion and non-singular symmetric Ricci tensor*, Journal of Geometry and Physics Volume 110, December 2016, Pages 69-77.
  29. Peter Gilkey, JeongHyeong Park, *Moduli spaces of oriented Type A manifolds of dimension at least 3*, J. Korean Math. Soc. 54 (2017), no. 6, 1759-1786.
  30. Ioannis Chrysikos, *A new 1/2-Ricci type formula on the spinor bundle and applications*, Adv. Appl. Clifford Algebr. 27 (2017), no. 4, 3097-3127.
  31. Mancho Manev, *On Geometry of Manifolds with Some Tensor Structures and Metrics of Norden Type*, Thesis for: Doctor of Sciences in Mathematics, 2017, DOI: 10.13140/RG.2.2.33038.05446. arXiv:1706.05505.
  32. Avijit Sarkar, Amit Sil, Avijit Kumar Paul, *Ricci Almost Solitons on Three-Dimensional Quasi-Sasakian Manifolds* August 2018, Proceedings of the National Academy of Sciences, India - Section A DOI: 10.1007/s40010-018-0504-8
  33. 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
  34. Sunil Kumar Yadav, Abhishek Kushwaha, Dhruwa Narain, *Certain results for  $\eta$ -Ricci Solitons and Yamabe Solitons on quasi-Sasakian 3-Manifolds*, August 2019 CUBO 21(2):77-98, DOI: 10.4067/S0719-06462019000200077
  35. 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.
  36. Mohd Danish Siddiqi and Ali H. Hakami, *Quasi-Sasakian 3-manifolds endowed with an  $\eta$ -Einstein Metrics*, Palestine Journal of Mathematics, Vol. 12(4)(2023) , 230-244.
  37. Krynski, W., Sergyeyev, A., *Two-component integrable extension of general heavenly equation*, Anal.Math.Phys. 14, 104 (2024). <https://doi.org/10.1007/s13324-024-00961-8>.
  38. Jun-ichi Inoguchi, *Homogeneous Riemannian Structures in Thurston Geometries and Contact Riemannian Geometries*, September 2024, International Electronic Journal of Geometry, vol. 17 no. 2 page 559–659 (2024). DOI: [HTTPS://DOI.ORG/10.36890/IEJG.1464086](https://doi.org/10.36890/IEJG.1464086).
- 30. "Connection with torsion, parallel spinors and geometry of Spin(7) manifolds Math. Res. Lett., 11 (2004), 171-186. IF - 0.716**  
*цитирания - 90*
1. Thomas Friedrich, *On types of non-integrable geometries*, Rend. Mat. Palermo, ser.II, Suppl. 71 (2003), 99-113.
  2. Jerome P. Gauntlett, Dario Martelli, Stathis Pakis, Daniel Waldram, *G-Structures and Wrapped NS5-Branes*, Commun. Math.Phys. **247** (2004), 421-445. hep-th/0205050.

3. Richard Cleyton, Andrew Swann, *Einstein Metrics via Intrinsic or Parallel Torsion*, Math. Z. 247 (2004), no. 3, 513–528.
4. Jerome P. Gauntlett, Stathis Pakis, *The Geometry of D=11 Killing Spinors*, JHEP 0304 039 (2003).
5. Th. Friedrich, *Spin(9)-structures and connections with totally skew-symmetric torsion*, Journal of Geometry and Physics 47 (2003) 197-206.
6. Jerome P. Gauntlett, Dario Martelli, Daniel Waldram, *Superstrings with Intrinsic Torsion*, Phys. Rev. **D69**(2004) 086002.
7. Jerome P. Gauntlett, *Branes, Calibrations and Supergravity*, Strings and geometry, 79-126, Clay Math. Proc., 3, Amer. Math. Soc., Providence, RI, 2004.
8. Jerome P. Gauntlett, Jan B. Gutowski, Stathis Pakis, *The Geometry of D=11 Null Killing Spinors*, JHEP 0312 (2003) 049.
9. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS<sub>5</sub> solutions of M-theory*, Class. Quant. Grav. **21** (2004) 4335-4366, hep-th/0402153.
10. Smith, Douglas J., *Intersecting brane solutions in string and M-theory*, Classical and Quantum Gravity 20 (2003) R233.
11. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS Backgrounds in String and M-theory*, hep-th/0411194, to appear in the proceedings of the 73rd Meeting between Physicists and Mathematicians"(A)dS/CFT correspondence Strasbourg, September 11-13, 2003.
12. Frederik Witt *Generalised G<sub>2</sub>-manifolds*, Commun.Math.Phys. **265** (2006) 275-303.
13. Frederik Witt, *Special metric structures and closed forms*, DPhil Thesis, University of Oxford, 2004, math.DG/0502443.
14. Misha Verbitsky, *An intrinsic volume functional on almost complex 6-manifolds and nearly Kähler geometry*, Pacific J.Math. **235** (2008), no. 2, 323–344. math.DG/0507179.
15. Gran, U.; Gutowski, J.; Papadopoulos, G., *The spinorial geometry of supersymmetric IIB backgrounds*, Class. Quant. Grav. **22** (2005) 2453-2492.
16. U.Gran, P.Lohrmann, G.Papadopoulos, *The spinorial geometry of supersymmetric heterotic string backgrounds*, JHEP0602 (2006) 063, hep-th/0510176.
17. U. Gran, P. Lohrmann, G. Papadopoulos, *Geometry of type II common sector N=2 backgrounds*, JHEP 0606 (2006) 049, hep-th/0602250.
18. Gray, James; Hackett-Jones, Emily, *On T-folds, G-structures and Supersymmetry*, JHEP 0605 (2006) 071, hep-th/0506092.
19. Howe, P. S.; Lindstrom, U.; Stojevic, V., *Special holonomy sigma models with boundaries*, JHEP 0601 (2006) 159, hep-th/0507035.
20. Stojevic, Vid, *Special Holonomy and Two-Dimensional Supersymmetric Sigma-Models*, Ph.D., PhD thesis, 149 pages; King's College London, 2006, arXiv.org:hep-th/0611255.
21. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl., 5-84.
22. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
23. If Gran, George Papadopoulos, *Solution of heterotic Killing spinor equations and special geometry*, Special metrics and supersymmetry, 144-161, AIP Conf. Proc., 1093, Amer. Inst. Phys., Melville, NY, 2009.
24. Frank Klinker, *The torsion of spinor connections and related structures*, SIGMA 2 (2006), 077, 28 pages..
25. Bernhardt, Niels Nagy, Paul-Andi, *Spin holonomy algebras of self-dual 4-forms in  $\mathbb{R}^8$* , J.Lie Theory **[17]**17 (2007), no. 4, 829–856.
26. Niels Bernhardt, Paul-Andi Nagy, *On algebraic torsion forms and their spin holonomy algebras*, J. Lie Theory **17**(2007), no. 2, 357–377.
27. U. Gran, G. Papadopoulos, D. Roest, P. Sloane, *Geometry of all supersymmetric type I backgrounds*, JHEP 08 (2007)074,
28. Spiro Karigiannis, *Flows of Spin(7)-structures*, Differential geometry and its applications, 263-277, World Sci.Publ., Hackensack, NJ, 2008, arXiv:0709.4594.

29. Paul-Andi Nagy, *Prolongations of Lie algebras and applications*, J. Lie Theory, Volume 23, Issue 1, 2013, Pages 1-33.
30. Christof Puhle, *Spin(7)-manifolds with parallel torsion form*, Comm. Math. Phys. **291** (2009), 303-320.
31. Raquel Villacampa, *Special metric on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
32. J. Gutowski, G. Papadopoulos, *Heterotic Black Horizons*, Journal of High Energy Physics 2010 (7);
33. Misha Verbitsky, *Hodge theory on nearly Kaehler manifolds*, Geometry & Topology 15 (2011), 2111-2133.
34. U. Gran, G. Papadopoulos, D. Roest, *Supersymmetric heterotic string backgrounds*, Phys.Lett.B656:119–126,2007;
35. Selman Uguz, *Lee form and special warped-like product manifolds with locally conformally parallel Spin(7) structures*, Ann. Glob. Anal. Geom. Volume 43, Issue 2, 2013, Pages 123-141.
36. Christof Puhle, *Riemannian manifolds with structure group PSU(3)*, J. Lond. Math. Soc., II. Ser. 85, No. 1, 79-100 (2012).
37. P.S. Howe, George Papadopoulos, Vid Stojevic, *Covariantly constant forms on torsionful geometries from world-sheet and spacetime perspectives*, JHEP, Volume 2010, Number 9, 1-33;
38. U. Gran, J. Gutowski, G. Papadopoulos, *IIB black hole horizons with five-form flux and KT geometry*, JHEP 1105:050,2011,
39. Selman Uguz, *Conformally parallel Spin (7) structures on solvmanifolds*, Turk. J. Math. (2014) 38: 166-178.
40. Dario Martelli, James Sparks, *Non-Kahler heterotic rotations*, Adv. Theor. Math. Phys. 15 (2011) 131-174,
41. G. Papadopoulos, *Killing-Yano equations with torsion, world line actions and G-structures*, Classical Quantum Gravity 29 (2012), no. 11, 115008, 14 pp.
42. Misha Verbitsky, *Pseudoholomorphic curves on nearly Kahler manifolds*, Communications in Mathematical Physics, November 2013, Volume 324, Issue 1, pp 173-177
43. C. Nölle, *Instantons, five-branes and fractional strings*, arXiv:1207.7268.
44. Ilka Agricola, Jos Höll, *Cones of G manifolds and Killing spinors with skew torsion*, Ann. Mat. Pura Appl., Volume 194, Issue 3 (2015), pp 673-718, <https://doi.org/10.1007/s10231-013-0393-z>
45. Selman Uguz, Ibrahim Unal, *Fiber structures of special (4 + 3 + 1) warped-like manifolds with Spin(7) holonomy*, Int. J. Geom. Methods Mod. Phys. 11 (2014), no. 8, 1450076, 23 pp.
46. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
47. Matthias Ohst, *Deformations of Compact Cayley Submanifolds with Boundary*, arXiv:1405.7886.
48. Kazuki Hinoue, Yukinori Yasui, *Heterotic Solutions with G2 and Spin(7) Structures*, JP Journal of Geometry and Topology 17.1 (Feb 2015): 17-48.
49. Elena Mirela Babalic, Calin Iuliu Lazaroiu, *Singular foliations for M-theory compactification*, JHEP 03 (2015) 116; arXiv:1411.3497.
50. Matthias Ohst, *Deformations of Cayley submanifolds*, Ph.D Thesis 2015, University of Cambridge, Department of Pure Mathematics and Mathematical Statistics, Dissertation submitted for the degree of Doctor of Philosophy, September 2015, <https://doi.org/10.17863/CAM.16246>  
<https://www.repository.cam.ac.uk/bitstream/handle/1810/254972/thesis.pdf?sequence=1&isAllowed=y>
51. A. Fontanella, J. B. Gutowski, G. Papadopoulos, *Anomaly Corrected Heterotic Horizons*, JHEP (2016), DOI:10.1007/JHEP10(2016)121,
52. Peter B Gilkey, *The moduli space of Type A surfaces with torsion and non-singular symmetric Ricci tensor*, Journal of Geometry and Physics Volume 110, December 2016, Pages 69-77.
53. Peter Gilkey, JeongHyeong Park, *Moduli spaces of oriented Type A manifolds of dimension at least 3*, J. Korean Math. Soc. 54 (2017), no. 6, 1759-1786.
54. Peter B Gilkey, *Moduli spaces of Type B surfaces with torsion*, J. Geometry, **108** (2017), 637-653.
55. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.

56. Ioannis Chrysikos, *A new 1/2-Ricci type formula on the spinor bundle and applications*, Adv. Appl. Clifford Algebr. 27 (2017), no. 4, 3097-3127.
57. Teng Huang,  *$L^2$  harmonic forms on complete special holonomy manifolds*, Ann. Glob. Anal. Geom. 56 (2019), no.1, 17-36.
58. Lucia Martin-Merchan, *Spinorial classification of  $Spin(7)$  structures*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XXI (2020), pp. 873-910.
59. 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
60. Richard Cleyton, Andrei Moroianu, Uwe Semmelmann, *Metric connections with parallel skew-symmetric torsion*, Adv. Math. 378 (2021), 107519, 50 pp.
61. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
62. Xenia de la Ossa, Marc-Antoine Fiset,  *$\mathfrak{g}$ -structure symmetries and anomalies in  $(1,0)$  non-linear  $\sigma$ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
63. Andrea Fontanella, *Black Horizons and Integrability in String Theory*, arXiv:1810.05434 [hep-th], Ph.D.Thesis, University of Surrey, 2018. <http://epubs.surrey.ac.uk/849271/1/PhDThesis.pdf>
64. Senay Bulut, Nedim Degirmenci, *Self-dual 2-forms in dimension 9 and generalized Seiberg-Witten equations*, Int. J. Geometry, Vol. 7 (2018), No. 2, 59-65.
65. 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. DOI: 10.1007/s41980-018-0182-y
66. 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.
67. Giovanni Bazzoni, Lucia Martin-Merchan, Vicente Munoz, *Spin-harmonic structures and nilmanifolds*, to appear in Comm. Anal. Geom., arXiv:1904.01462
68. Teng Huang, *Global potential function on complete special holonomy manifolds*, Asian J. Math. 25 (2021), no. 3, 393-412.
69. Udhav Fowdar,  *$S1$ -quotient of  $Spin(7)$ -structures*, March 2020, Annals of Global Analysis and Geometry DOI: 10.1007/s10455-020-09710-z
70. Marc-Antoine Fiset,  *$G$ -structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
71. 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
72. 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.
73. 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
74. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
75. Andrei Moroianu, Mihaela Pilca, *Metric connections with parallel twistor-free torsion*, June 2021, International Journal of Mathematics, DOI: 10.1142/S0129167X21400115.
76. 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.
77. 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](https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y).

78. Kamil Niedzialomski, *Two notes on Spin(7)-structure*, arXiv:2212.13811.
79. 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.
80. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
81. Ilka Agricola, Jordan Hofmann, *H-Killing Spinors and Spinorial Duality for Homogeneous  $3-\alpha, \beta$ -Sasaki Manifolds*, arXiv:2309.16610.
82. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
83. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
84. Eyup Yalcinkaya, *On Locally Conformal Spin(7) Structure*, arXiv:2403.00731.
85. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G<sub>2</sub>-instantons*, arXiv:2404.12937.
86. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
87. Calin Iuliu Lazaroiu, C. S. Shahbazi, *A functional for Spin(7) forms*, arXiv:2409.08274.
88. Partha Sarathi GHOSH, *Seiberg-Witten equations in all dimensions*, Thesis submitted in fulfilment of the requirements of the PhD Degree in Mathematics, Universite libre de Bruxelles, 2024.
89. Georgios Papadopoulos, *Scale and Conformal Invariance in Heterotic  $\sigma$ -Models*, arXiv:2409.01818.
90. Xenia de la Ossa, Mateo Galdeano, Enrico Marchetto, *SW-algebras and strings with torsion*, December 2024, DOI: 10.48550/arXiv.2412.13904.
- 31. "Killing spinor equations in dimension 7 and geometry of integrable G<sub>2</sub> manifolds (with Th. Friedrich), J. Geom.Phys., 48 (2003), 1-11. IF - 1.105**  
*цитированя - 106.*
1. Jerome P. Gauntlett, Dario Martelli, Stathis Pakis, Daniel Waldram, *G-Structures and Wrapped NS5-Branes*, Commun. Math.Phys. **247** (2004), 421-445. hep-th/0205050.
  2. Sebastien Gurrieri, Jan Louis, Andrei Micu, Daniel Waldram, *Mirror Symmetry in Generalized Calabi-Yau Compactifications*, Nucl.Phys. **B654** (2003) 61-113, hep-th/0211102.
  3. G. L. Cardoso, G. Curio, G. Dall'Agata, D. Lust, P.Manousselis, G. Zoupanos, *Non-Kaehler String Backgrounds and their Five Torsion Classes*, Nucl.Phys. **B652** (2003) 5-34, hep-th/0211118.
  4. Klaus Behrndt, Claus Jeschek, *Fluxes in M-theory on 7-manifolds and G structures*, JHEP 0304 (2003) 002, hep-th/0302047.
  5. Jerome P. Gauntlett, Stathis Pakis, *The Geometry of D=11 Killing Spinors*, JHEP 0304 039 (2003).
  6. Jerome P. Gauntlett, Dario Martelli, Daniel Waldram, *Superstrings with Intrinsic Torsion*, Phys. Rev. **D69**(2004) 086002.
  7. Dario Martelli, James Sparks, *G-Structures, Fluxes and Calibrations in M-Theory*, Phys. Rev. D (3) 68 (2003), no. 8, 085014, 19 pp.
  8. Robert Bryant, *Some remarks on G<sub>2</sub>-structures*, Proceedings of Gökova Geometry-Topology Conference 2005, 75-109, Gökova Geometry/Topology Conference (GGT), Gökova, math.DG/0305124.
  9. Jerome P. Gauntlett, Jan B. Gutowski, *All supersymmetric solutions of minimal gauged supergravity in five dimensions*, Phys.Rev. **D68** (2003) 105009, hep-th/0304064.
  10. Jerome P. Gauntlett, *Branes, Calibrations and Supergravity*, Strings and geometry, 79-126, Clay Math. Proc., 3, Amer. Math. Soc., Providence, RI, 2004.
  11. Jerome P. Gauntlett, Jan B. Gutowski, Stathis Pakis, *The Geometry of D=11 Null Killing Spinors*, JHEP 0312 (2003) 049.
  12. K. Behrndt, C. Jeschek, *Fluxes in M-theory on 7-manifolds: G-structures and Superpotential*, Nucl.Phys. **B694** (2004), 99-114.



13. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS<sub>5</sub> solutions of M-theory*, Class. Quant. Grav. **21** (2004) 4335-4366, hep-th/0402153.
14. Melanie Becker, Keshav Dasgupta, Anke Knauf, Radu Tatar, *Geometric transitions, Flops and Non-Kähler manifolds:I*, Nucl.Phys. **B702**, (2004) 207-268.
15. Smith, Douglas J., *Intersecting brane solutions in string and M-theory*, Classical and Quantum Gravity 20 (2003) R233.
16. Simon Chiossi, Andrew Swann, *G<sub>2</sub>-structures with torsion from half-flat-integrable nil manifolds*, J. Geom. Phys.54 (2005), no. 3, 262–285.
17. Klaus Behrndt, Claus Jeschek, *Fluxes in M-theory on 7-manifolds: G<sub>2</sub>-, SU(3)- and SU(2)-structures*, contribution for the proceedings of: BW2003 Workshop, 29 Aug. - 02 Sept., 2003 Vrnjacka Banja, Serbia, hep-th/0406138.
18. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS Backgrounds in String and M-theory*, hep-th/0411194, to appear in the proceedings of the 73rd Meeting between Physicists and Mathematicians"(A)dS/CFT correspondence Strasbourg, September 11-13, 2003.
19. Ulf Gran, George Papadopoulos, *Solution of heterotic Killing spinor equations and special geometry*, Special metrics and supersymmetry, 144–161, AIP Conf. Proc., 1093, Amer. Inst. Phys., Melville, NY, 2009.
20. Frederik Witt *Generalised G<sub>2</sub>-manifolds*, Commun.Math.Phys. **265** (2006) 275-303.
21. Gurrieri, Sebastien, *N=2 and N=4 supergravities as compactifications from string theories in 10 dimensions*, Ph.D Thesys de l'Universitire de la Mre diterranree, hep-th/0408044.
22. Frederik Witt, *Special metric structures and closedforms*, DPhil Thesis, University of Oxford, 2004, math.DG/0502443.
23. Gran, U.; Gutowski, J.; Papadopoulos, G., *The G<sub>2</sub> spinorial geometry of supersymmetric IIB backgrounds*, Classical Quantum Gravity **23** (2006), no. 1, 143–206, hep-th/0505074.
24. U.Gran, P.Lohrmann, G.Papadopoulos, *The spinorial geometry of supersymmetric heterotic string backgrounds*, JHEP0602 (2006) 063, hep-th/0510176.
25. U. Gran, P. Lohrmann, G. Papadopoulos, *Geometry of type II common sector N=2 backgrounds*, JHEP 0606 (2006) 049, hep-th/0602250.
26. Gray, James; Hackett-Jones, Emily, *On T-folds, G-structures and Supersymmetry*, JHEP 0605 (2006) 071, hep-th/0506092.
27. Howe, P. S.; Lindstrom, U.; Stojevic, V., *Special holonomy sigma models with boundaries*, JHEP 0601 (2006) 159, hep-th/0507035.
28. Stojevic, Vid, *Special Holonomy and Two-Dimensional Supersymmetric Sigma-Models*, Ph.D., PhD thesis, 149 pages; King's College London, 2006, arXiv.org:hep-th/0611255.
29. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl., 5–84, math.DG/0606705.
30. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
31. Albuquerque, R.; Salavessa, I. M. C., *The G<sub>2</sub> sphere over a 4-manifold*, Monatshefte fur Mathematik **158** (4) (2009), pp. 335-348.
32. Keshav Dasgupta, Marc Grisaru, Rhiannon Gwyn, Sheldon Katz, Anke Knauf, Radu Tatar, *Gauge-Gravity Dualities, Dipoles and New Non-Kähler Manifolds*, Nucl.Phys. **B755** (2006) 21-78, hep-th/0605201.
33. U. Gran, G. Papadopoulos, D. Roest, P. Sloane, *Geometry of all supersymmetric type I backgrounds*, JHEP 08 (2007)074, arXiv:hep-th/0703143.
34. Christof Puhle, *Spinorielle Feldgleichungen in Supergravitationstheorien mit Flüssen*, Dissertation zur Erlangung des akademischen Grades doctor rerum naturalium (Dr. rer. nat.) im Fach Mathematik eingereicht ander Mathematisch-Naturwissenschaftlichen Fakultat, available at [http://www.math.hu-berlin.de/puhle/publications\\_files/PhD-Thesis.pdf](http://www.math.hu-berlin.de/puhle/publications_files/PhD-Thesis.pdf)
35. Christof Puhle, *Spin(7)-manifolds with parallel torsion form*, Comm. Math. Phys. **291** (2009), 303-320.

36. Rui Albuquerque, *On the  $G_2$  bundle of a Riemannian 4-manifold*, Journal of Geometry and Physics, Volume 60, Issue 6-8, p. 924-939. (2010).
37. Hiroshi Kunitomo, Mitsuhsisa Ohta, *Supersymmetric  $AdS_3$  solutions in Heterotic Supergravity*, Prog. Theor. Phys. 122:631-657,2009, arXiv:0902.0655[hep-th].
38. Raquel Villacampa, *Special metrics on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
39. George Papadopoulos, *Heterotic supersymmetric backgrounds with compact holonomy revisited*, Class.Quant.Grav.27:125008,2010,; arXiv:0909.2870
40. J. Gutowski, G. Papadopoulos, *Heterotic Black Horizons*, Journal of High Energy Physics 2010 (7);arXiv:0912.3472.
41. Gaillard, Jerome; Martelli, Dario, *Fivebranes and resolved deformed  $G_2$  manifolds*, JHEP 1105:109,2011, arXiv:1008.0640.
42. Andre Lukas, Cyril Matti, *G-structures and Domain Walls in Heterotic Theories*, JHEP 1101:151,2011, arXiv:1005.5302.
43. U. Gran, G. Papadopoulos, D. Roest, *Supersymmetric heterotic string backgrounds*, Phys.Lett.B656:119-126,2007; arXiv:0706.4407.
44. P.S. Howe, George Papadopoulos, Vid Stojevic, *Covariantly constant forms on torsionful geometries from world-sheet and spacetime perspectives*, JHEP, Volume 2010,Number 9, 1-33; arXiv:1004.2824.
45. U. Gran, J. Gutowski, G. Papadopoulos, *IIB black hole horizons with five-form flux and KT geometry*, JHEP 1105:050,2011, arXiv:1101.1247.
46. Selman Uguz, *Conformally parallel Spin (7) structures on solvmanifolds*, Turk. J. Math. (2014) 38: 166-178.
47. Rui Albuquerque, *On the characteristic connection of gwistor space*, Cent. Eur. J. Math. 11(1), 2013, 149-160, arXiv:1107.5357.
48. Dario Martelli, James Sparks, *Non-Kahler heterotic rotations*, Adv. Theor. Math. Phys. 15 (2011) 131-174, arXiv:1010.4031.
49. Cyril Matti, *Generalized Compactification in Heterotic String Theory*, arXiv:1204.3247 (D.Phil. thesis, Lincoln College, University of Oxford).
50. C. Nölle, *Instantons, five-branes and fractional strings*, arXiv:1207.7268.
51. Michael Klaput, Andre Lukas, Cyril Matti, Eirik E. Svanes, *Moduli Stabilising in Heterotic Nearly Kähler Compactifications*, Journal of High Energy Physics 2013 (1), art. no. 015.
52. A. Fino, A. Raffero, *Einstein locally conformal calibrated  $G_2$  structures*, Mathematische Zeitschrift, August 2015, Volume 280, Issue 3, pp 1093-1106.
53. Ilka Agricola, Jos Höll, *Cones of  $G$  manifolds and Killing spinors with skew torsion*, Ann. Mat. Pura Appl., Volume 194, Issue 3 (2015), pp 673-718, <https://doi.org/10.1007/s10231-013-0393-z>
54. Rui Albuquerque, *Self-duality and associated parallel or cocalibrated  $G_2$  structures*, Ann. Acad. Sci. Fenn. Math. 45 (2020), 325-342.
55. Selman Uguz, *Special Warped-Like Product Manifolds with (Weak)  $G_2$  Holonomy*, Ukrainian Mathematical Journal, January 2014, Volume 65, Issue 8, pp 1257-1272.
56. Elena Mirela Babalic, Calin Iuliu Lazaroiu, *Foliated eight-manifolds for M-theory compactification*, JHEP01(2015)140; arXiv:1411.3148[hep-th].
57. Selman Uguz, Ibrahim Unal, *Fiber structures of special  $(4 + 3 + 1)$  warped-like manifolds with Spin(7) holonomy*, Int. J. Geom. Methods Mod. Phys. 11 (2014), no. 8, 1450076, 23 pp.
58. Marisa Fernández, Anna Fino, Alberto Raffero, *Locally conformal calibrated  $G_2$ -manifolds*, Annali di Matematica Pura ed Applicata, October 2016, Volume 195, Issue 5, pp 1721-1736, doi:10.1007/s10231-015-0544-5. arXiv:1504.04508.
59. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *Exploring  $SU(3)$  Structure Moduli Spaces with Integrable  $G_2$  Structures*, Adv. Theor. Math. Physics, Volume 19 (2015) Number 4, 837-903.
60. Eirik Eik Svanes, *Moduli in General  $SU(3)$ -Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.

61. Elena Mirela Babalic, Calin Iuliu Lazaroiu, *Foliated backgrounds for M-theory compactifications (I)*, arXiv:1503.00373; Conference proceedings, TIM 14 Physcis Conference, 20-22 November 2014, Timisoara, Romania.
62. S.W. Beck, J.B. Gutowski, G. Papadopoulos, *Geometry and supersymmetry of heterotic warped flux AdS backgrounds*, J. High Energy Phys. 2015, no. 7, 152, front matter+34 pp.
63. Teng Fei, *Stable Forms, Vector Cross Products and Their Applications in Geometry*, arXiv:1504.02807, v2 (2018).
64. Hai Lin,  *$T^4$  fibrations over Calabi-Yau two-folds and non-Kahler manifolds in string theory*, Nuclear Physics B, doi:10.1016/j.nuclphysb.2016.06.006 Available online 8 June 2016.
65. Alberto Raffero, *Non-integrable special geometric structures in dimensions six and seven*, Ph.D Thesis, Universita degli Studi di Torino, Dipartimento di Matematica Scuola di Dottorato in Scienze della Natura e Tecnologie Innovative Ciclo XXVIII, March 2016, Tutor: Prof. Anna Fino, Coordinatore del Dottorato: Prof. Ezio Venturino, Anni Accademici: 2013-2015 Settore Scienti co-disciplinare di afferenza: MAT/03. [https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero\\_thesis.pdf](https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero_thesis.pdf)
66. A. Fontanella, J. B. Gutowski, G. Papadopoulos, *Anomaly Corrected Heterotic Horizons*, JHEP (2016), DOI:10.1007/JHEP10(2016)121,
67. Ulf Gran, George Papadopoulos, Christian von Schultz, *Supersymmetric geometries of IIA supergravity III*, Journal of High Energy Physics 2016(6) · February 2016 DOI: 10.1007/JHEP06(2016)045.
68. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *Moduli of  $G_2$  structures and the Strominger system in dimension 7*, arXiv:1607.01219.
69. Ilarion V. Melnikov, Ruben Minasian, Savdeep Sethi, *Non-duality in three dimensions*, J. High Energ. Phys. (2017) 2017: 53. [https://doi.org/10.1007/JHEP10\(2017\)053](https://doi.org/10.1007/JHEP10(2017)053).
70. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *The infinitesimal moduli space of heterotic  $G_2$  systems*, Comm. Math. Phys. 360 (2018), no. 2, 727-775.
71. Samuel Beck, *Global and Local Aspects of Supersymmetric Anti-de Sitter Spaces*, A thesis presented for the degree of Doctor of Philosophy, Department of Mathematics Kings College London United Kingdom October 19, 2016. [https://kclpure.kcl.ac.uk/portal/files/73269081/2017\\_Beck\\_Samuel\\_thesis.pdf](https://kclpure.kcl.ac.uk/portal/files/73269081/2017_Beck_Samuel_thesis.pdf)
72. Marc-Antoine Fiset, Callum Quigley, Eirik Eik Svanes, *Marginal deformations of heterotic  $G_2$  sigma models*, J. High Energ. Phys. (2018) 2018: 52. [https://doi.org/10.1007/JHEP02\(2018\)052](https://doi.org/10.1007/JHEP02(2018)052)
73. Sergey Grigorian,  *$G_2$ -structures for  $N=1$  supersymmetric AdS4 solutions of M-theory*, Classical and Quantum Gravity, Volume 35, Number 8, 2018, 085012.
74. Niall T. Macpherson, Jesus Montero, Daniel Prins,  *$Mink_3 \times S^3$  solutions of type II supergravity*, Nucl. Phys. B **933** (2018), 185-233.
75. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
76. Xenia de la Ossa, Marc-Antoine Fiset,  *$G_2$ -structure symmetries and anomalies in  $(1,0)$  non-linear  $\sigma$ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
77. Andrea Fontanella, *Black Horizons and Integrability in String Theory*, arXiv:1810.05434 [hep-th], Ph.D.Thesis, University of Surrey, 2018, <http://epubs.surrey.ac.uk/849271/1/PhDThesis.pdf>
78. 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
79. 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.
80. 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>
81. Marc-Antoine Fiset,  *$G_2$ -structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
82. Hamideh Rahmati, A. Latifi, *Constants of motion of the trigonometric 3-body Hamiltonian and the  $g_2$  algebra* (in Persian) December 2017, Conference: Iranian Conference on Mathematical Physics: Qom - Iran, [https://www.researchgate.net/publication/340929819\\_Constants\\_of\\_motion\\_of\\_the\\_trigonometric\\_3-body\\_Hamiltonian\\_and\\_the\\_g2\\_algebra\\_in\\_Persian](https://www.researchgate.net/publication/340929819_Constants_of_motion_of_the_trigonometric_3-body_Hamiltonian_and_the_g2_algebra_in_Persian)

83. 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.
84. 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>
85. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
86. Christopher Lin, *Some Observations on Conformal Symmetries of G2-structures*, Adv. Geom.24(2024), no.2, 229-246.
87. 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
88. 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.
89. 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.
90. 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
91. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G2 system*, arXiv:2111.13221.
92. 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).
93. Francisco Martin Cabrera, *Remarks on some integral formulas for G2-structures*, arXiv:2204.12838.
94. **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.**
95. Izar Alonso, *Coclosed G2-structures on  $SU(2)^2$ -invariant cohomogeneity one manifolds*, 2025 Annals of Global Analysis and Geometry 67(1):1-23 DOI: 10.1007/s10455-024-09981-w
96. 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.
97. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
98. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
99. 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.
100. G. Papadopoulos, *Derivations, holonomy groups and heterotic geometry*, arXiv:2312.09678.
101. Mateo Galdeano, Leander Stecker, *The heterotic G2 system with reducible characteristic holonomy*, arXiv:2403.00084.
102. Jock McOrist, Martin Sticka, and Eirik Eik Svanes, *The physical moduli of heterotic G2 string compactifications*, arXiv:2409.13080.
103. Georgios Papadopoulos, *Scale and Conformal Invariance in Heterotic  $\sigma$ -Models*, arXiv:2409.01818.
104. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Quantum aspects of heterotic G2 systems*, December 2024, DOI: 10.48550/arXiv.2412.14715.
105. Anna Fino, Udhav Fowdar, *Some remarks on strong G2-structures with torsion*, arXiv:2502.06066.
106. Jock McOrist, Martin Sticka and Eirik Eik Svanes, *The heterotic G2 moduli space metric*, arXiv:2502.16093.
- 32. "Quaternionic Kähler and hyperKähler manifolds with torsion and twistor spaces (with I. Minchev), J. reine angew. Math., 567 (2004), 215-233. IF - 0.885**  
*цитирания - 19.*

1. George Papadopoulos, *KT and HKT Geometries in Strings and in Black Hole Moduli Spaces*, hep-th/0201111, Contribution to the Proceedings of the Bonn workshop on "Special Geometric Structures in String Theory"
  2. Th. Friedrich, *Spin(9)-structures and connections with totally skew-symmetric torsion*, Journal of Geometry and Physics 47 (2003) 197-206.
  3. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl., 5–84.
  4. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  5. Zamkovoy, Simeon *Geometry of paraquaternionic Kähler manifolds with torsion*, J. Geom. Phys. **57** (2006), 69–87.
  6. Rui Albuquerque, *Twistorial Constructions of Special Riemannian Manifolds*, Fernandes, Rui Loja (ed.) et al., Geometry and physics. XVI international fall workshop, Lisbon, Portugal, September 5–8, 2007. Melville, NY: American Institute of Physics (AIP) (ISBN 978-0-7354-0546-2/hbk). AIP Conference Proceedings 1023, 121-126 (2008).
  7. Rui Albuquerque, *Hermitian and quaternionic Hermitian structures on tangent bundles*, Geom. Dedicata **133** (2008), 95–110.
  8. G. Vilcu, *Contribution to the study of quaternionic manifold*, Ph.D. Thesis University of Bucharest, 2006, available <http://www.mathem.pub.ro/dgds/mono/vi-vol.pdf>
  9. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  10. Bredthauer, Andreas, *Generalized Hyperkaehler Geometry and Supersymmetry*, Nucl. Phys. **B773**:172-183, 2007; arXiv.org:hep-th/0608114.
  11. Francisco Martin Cabrera; Swann, Andrew, *Curvature of almost quaternion-Hermitian manifolds*, Forum Mathematicum **22** (1) (2010), pp. 21-5.
  12. Jan Gutt, *Special Riemannian geometries and the Magic Square of Lie algebras*, 101 pages, a revised version of M.Sc. thesis presented at Warsaw University, arXiv:0810.2138.
  13. M.L. Barberis, *A survey on hyper-kaehler with torsion geometry*, Rev. Un. Mat. Argentina **49** (2008), 121-131.
  14. Wei Wang, *On quaternionic complexes over unimodular quaternionic manifolds*, Differential Geom. Appl. **58** (2018), 227-253.
  15. B. Kruglikov, H. Winther, *Submaximally Symmetric Quaternion Hermitian Structures*, Internat. J. Math. **31** (2020), no. 11, 2050084, 25 pp.
  16. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
  17. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
  18. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
  19. Elia Fusi, *Some developments in balanced and SKT Geometry*, Doctoral dissertation, Politecnico di Torino 2024  
<https://tesidotat.depositolegale.it/bitstream/20.500.14242/190211/1/Tesi%20Elia%20Fusi%20modificata.pdf>
- 33. "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.**  
*цитированя - 64.*
1. Anna Fino, Maurizio Parton, Simon Salamon, *Families of strong KT structures in six dimensions*, Comment. Math. Helv. **79** (2004), no. 2, 317–340.
  2. Edward Goldstein, Sergey Prokushkin, *Geometric Model for Complex Non-Kähler Manifolds with SU(3) Structure*, Commun.Math. Phys. **251** (2004) 65-78, hep-th/0212307.
  3. A. Fino, G. Grantcharov, *Properties of manifolds with skew-symmetric torsion and special holonomy*, Adv. Math. **189** (2004), no. 2, 439–450.

4. D.Grantcharov, G.Grantcharov, Y.S.Poon, *Calabi-Yau Connections with Torsion on Toric Bundles*, J. Differential Geom. **78** (2008), no. 1, 13–32, math.DG/0306207.
5. Katrin Becker, Melanie Becker, Keshav Dasgupta, Paul S.Green, Eric Sharpe, *Compactifications of Heterotic Strings on Non-Kähler Complex Manifolds: II*, Nucl. Phys. **B678** (2004), 19-100.
6. Jerome P. Gauntlett, *Branes, Calibrations and Supergravity*, Strings and geometry, 79-126, Clay Math. Proc., 3, Amer. Math. Soc., Providence, RI, 2004.
7. Gianguido Dall'Agata, Nikolaos Prezas,  *$N=1$  geometries for M-theory and type IIA strings with fluxes*, Phys.Rev. **D69**(2004) 066004.
8. Melanie Becker, Keshav Dasgupta, *Kähler versus Non-Kähler Compactifications*, to appear in the QTS3 proceedings, hep-th/0312221.
9. Smith, Douglas J., *Intersecting brane solutions in string and M-theory*, Classical and Quantum Gravity **20** (2003) R233.
10. Luis Ugarte, *Hermitian structures on six dimensional nilmanifolds*, Transform. Groups **12** (2007), no. 1, 175–202.
11. Francisco Martin Cabrera, Andrew Swann, *Curvature of (special) almost Hermitian manifolds*, Pacific J. Math. **228** (2006), no. 1, 165–184.
12. Mayer, Christoph; Mohaupt, Thomas, *Domain Walls, Hitchin's Flow Equations and G2-Manifolds*, Classical and Quantum Gravity **22** (2005) 379-392.
13. Franzen, Anne; Kaura, Payal; Misra, Aalok et al, *Uplifting the Iwasawa*, Fortsch. Phys. **54** (2006), 207-224, hep-th/0506224.
14. Florian Gmeiner, *Aspects of string theory compactifications: D-brane statistics and generalised geometry*, Ph.D Thesys, Dissertation an der Fakultät für Physik Ludwig-Maximilians-Universität München, 2006, available at <http://edoc.ub.uni-muenchen.de/5567/1/FlorianGmeiner.pdf>
15. Anguelova, Lilia; de Medeiros, Paul; Sinkovics, Annamaria, *Topological membrane theory from Mathai-Quillen formalism*, Adv. Theor. Math. Phys. **10** (2006) 713-745, hep-th/0507089.
16. Paul Koerber, Luca Martucci, *Deformations of calibrated D-branes in flux generalized complex manifolds*, JHEP0612 (2006) 062, arXiv:hep-th/0610044.
17. Iman Benmachiche, *Heterotic and type II orientifold compactifications on  $SU(3)$  structure manifolds*, Dissertation zur Erlangung des Doktorgrades des Departments für Physik der Universität Hamburg, 2006.
18. Sloane, Peter, *Spinorial Geometry and Branes*, Nuclear Physics B Proceedings Supplements, Volume 171, (2007) p. 319-321.
19. Blumenhagen, Ralph; Kors, Boris; Lust, Dieter et al, *Four-dimensional String Compactifications with D-Branes, Orientifolds and Fluxes*, arXiv.org:hep-th/0610327, Phys. Rept. **445** (2007), no. 1-6, 1–193
20. Manousselis, Pantelis; Prezas, Nikolaos; Zoupanos, George, *Supersymmetric compactifications of heterotic strings with fluxes and condensates*, Nucl. Phys. **B 739** 85 (2006).
21. Gmeiner, Florian; Witt, Frederik, *Calibrated cycles and T-duality*, Commun. Math. Phys. **283** (2008) 543-578.
22. Koerber, Paul; Martucci, Luca, *D-branes on AdS flux compactifications*, JHEP 0801 047 (2008), arXiv:0710.5530.
23. Gillard, Joe, *Spinorial Geometry and Supergravity*, Ph.D, PhD thesis, 120 pages; King's College London, arXiv.org:hep-th/0608139.
24. Frederic Witt, *Gauge theory in dimension 7*, de Andre's, Luis Carlos (ed.) et al., Special metrics and supersymmetry. Lectures given in the workshop on geometry and physics: special metrics and supersymmetry, Bilbao, Spain, 29–31 May 2008. American Institute of Physics (AIP) (ISBN 978-0-7354-0626-1/pbk). AIP Conference Proceedings 1093, 180-195 (2009).
25. M. Fernandez, A. Tomassini, L. Ugarte, and R. Villacampa, *On Special Hermitian Geometry* AIP Conf. Proc. 1130, (2009), pp. 145-151; doi:<http://dx.doi.org/10.1063/1.3146230> (8 pages) GEOMETRY AND PHYSICS: XVII International Fall Workshop on Geometry and Physics Date: 3–6 September 2008 Location: Castro Urdiales (Spain)
26. Fernandez, M.; Tomassini, A.; Ugarte, L.; Villacampa, R. *Balanced Hermitian metrics from  $SU(2)$ -structures*, J. Math. Phys. **50** (2009), no. 3, 033507, 15 pp.

27. Kirwin, William D.; Uribe, Alejandro, *Theta functions on the Kodaira-Thurston manifold*, Trans. Amer. Math. Soc. **362** (2010), no. 2, 897–932.
28. Lars Schäfer, Knut Smoczyk, *Decomposition and minimality of Lagrangian submanifolds in nearly Kähler manifolds*, Ann. Global Anal. Geom. **37** (2010), no. 3, 221–240.
29. Gueo Grantcharov, *Geometry of compact complex homogeneous spaces with vanishing first Chern class*, Adv. Math. **226** (2011), 3136–3159.
30. Raquel Villacampa, *Special metrics on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
31. Loureda, Jose Manuel Sanchez *Supersymmetric probes of wrapped M5-brane backgrounds*, Durham theses, (2006), Durham University. Available at Durham E-Theses Online: <http://etheses.dur.ac.uk/2433/>
32. Hou, Boyu; Hu, Sen; Yang, Yanhong, *On special geometry of the moduli space of string vacua with fluxes*, arXiv:0806.3393.
33. Derek Harland, Alexander D. Popov, *Yang-Mills fields in flux compactifications on homogeneous manifolds with  $SU(4)$ -structure*, JHEP02(2012)107,
34. Henning Samtleben, Ergin Sezgin, Dimitrios Tsimpis, *Rigid 6D supersymmetry and localization*, J. High Energy Phys. 2013, no. 3, 137, front matter+29 pp.
35. Paul Koerber, *Lectures on Generalized Complex Geometry for Physicists*, Fortsch. Phys. 59:169-242,2011,
36. Iman Benmachiche, Jan Louis, Danny Martinez-Pedrerá, *The effective action of the heterotic string compactified on manifolds with  $SU(3)$  structure*, Class. Quant. Grav. 25:135006,2008
37. Luis Ugarte, Raquel Villacampa, *Balanced Hermitian geometry on 6-dimensional nilmanifolds*, Forum Math. 27 (2015), no. 2, 1025–1070.
38. Andrei Moroianu, Uwe Semmelmann, *Generalized Killing spinors and Lagrangian graphs*, Differential Geom. Appl. 37 (2014), 141–151.
39. Severin Bunk, Tatiana A. Ivanova, Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, *Instantons on sine-cones over Sasakian manifolds*, Phys. Rev. D 90, 065028 (2014) .
40. Matthias Ohst, *Deformations of Compact Cayley Submanifolds with Boundary*, arXiv:1405.7886.
41. Anton F. Faedo, David Mateos, Javier Tarrío, *Three-dimensional super Yang-Mills with unquenched flavor*, J. High Energy Phys. 2015, no. 7, 056, front matter+26 pp.
42. Valentino Tosatti, Ben Weinkove, *The Monge-Ampère equation for  $(n-1)$ -plurisubharmonic functions on a compact Kähler manifold*, J. Amer. Math. Soc. 30 (2017), 311–346. DOI: <https://doi.org/10.1090/jams/875>
43. Keshav Dasgupta, Jihye Seo, Alisha Wissanji, *F-Theory, Seiberg-Witten Curves and  $N = 2$  Dualities*, J. High Energy Phys. 2012, no. 2, 146, front matter + 107 pp.
44. Valentino Tosatti, *Non-Kähler Calabi-Yau manifolds*, Analysis, complex geometry, and mathematical physics: in honor of Duong H. Phong, 261–277, Contemp. Math., 644, Amer. Math. Soc., Providence, RI, 2015.
45. Jixiang Fu, Jun Li, Shing-Tung Yau, *Balanced metrics on non-Kähler Calabi-Yau threefolds*, J. Diff. Geom. **90** (2012)81-129.
46. L. Qin, B. Wang, *A Family of Compact Complex-Symplectic Calabi-Yau Manifolds that are Non kähler*, Geometry & Topology 22 (2018) 2115–2144 DOI: 10.2140/gt.2018.22.2115.
47. Bart Dierks, Luc Vrancken, Xianfeng Wang, *Lagrangian submanifolds in the homogeneous nearly kähler  $S^3 \times S^3$* , Annals of Global Analysis and Geometry, June 2017 DOI: 10.1007/s10455-017-9567-z
48. Matthias Ohst, *Deformations of Cayley submanifolds*, Ph.D Thesis 2015, University of Cambridge, Department of Pure Mathematics and Mathematical Statistics, Dissertation submitted for the degree of Doctor of Philosophy, September 2015, <https://doi.org/10.17863/CAM.16246>  
<https://www.repository.cam.ac.uk/bitstream/handle/1810/254972/thesis.pdf?sequence=1&isAllowed=y>
49. Zejun Hu, Yinshan Zhang, *On isotropic Lagrangian submanifolds in the homogeneous nearly Kähler  $S^3 \times S^3$* , Sci. China Math. (2016). doi:10.1007/s11425-016-0288-0.
50. Anton F. Faedo, David Mateos, Christiana Pantelidou, Javier Tarrío, *Unquenched flavor on the Higgs branch*, J. High Energy Phys. 2016, no. 11, 021, front matter + 33 pp.
51. Burcu Bektas, Marilena Moruz, Joeri Van der Veken, Luc Vrancken, *Lagrangian Submanifolds with Constant Angle Functions of the nearly Kähler  $S^3 \times S^3$* , J. Geom. Phys. 127 (2018), 1–13.

52. Burcu Bektas, Marilena Moruz, Joeri Van der Veken, Luc Vrancken, *Lagrangian submanifolds of the nearly Kähler  $S^3 \times S^3$  from minimal surfaces in  $S^3$* , Proceedings of the Royal Society of Edinburgh Section A Mathematics (2018), DOI: 10.1017/prm.2018.43
53. Zhang, Y.; Dioos, B.; Hu, Z.; Vrancken, L.; Wang, X.; Lagrangian submanifolds in the 6-dimensional nearly Kähler manifolds with parallel second fundamental form. J. Geom. Phys. 108 (2016), 21-37.
54. Lars Schäher, **Nearly Pseudo-Kähler Manifolds and Related Special Holonomies**, Lecture Notes in Mathematics Volume 2201, 2017; DOI 10.1007/978-3-319-65807-0
55. Marilena Moruz, Luc Vrancken *Properties of the nearly kähler  $S^3 \times S^3$* , Publications de l Institut Mathématique 103(117):147-158 DOI 10.2298/PIM1817147M
56. 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
57. 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
58. 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>
59. 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>.
60. 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.
61. **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
62. Giuseppe Barbaro, *The geometry of Bismut connection*, Ph.D. Thesis. Sapienza University of Rome 2023.
63. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.
64. Gueo Grantcharov, Anna Fino, *A survey on pluriclosed and CYT metrics*, Aug 2024, Serdica Mathematical Journal 50(2) DOI: 10.55630/serdica.2024.50.103-124.
- 34. "On the geometry of closed  $G_2$ -structures (with R.Cleyton), Commun. Math. Phys., 270 (2007), 53-67. IF - 2.070**  
*цитираниа - 56.*
1. Robert Bryant, *Some remarks on  $G_2$ -structures*, Proceedings of Gökova Geometry-Topology Conference 2005, 75-109, Gökova Geometry/Topology Conference (GGT), Gökova, math.DG/0305124.
  2. Simon Chiossi, Andrew Swann,  *$G_2$ -structures with torsion from half-flat-integrable nilmanifolds*, J. Geom. Phys. 54 (2005), no. 3, 262-285.
  3. Francisco Martin Cabrera,  *$SU(3)$ -structures on hypersurfaces of manifolds  $G_2$ -structure*, Monatsh. Math. **148** (2006), no. 1, 29-50.
  4. Simon G. Chiossi, Anna Fino, *Conformally parallel  $G_2$  structures on a class of solvmanifolds*, Math. Z., **252** (2006), no. 4, 825-848.
  5. Hong-Van Le, *Existence of closed  $G_2$ -structures on 7-manifolds*, Archivum Math. **43** (2007) 443-457.
  6. L. Vezzoni, *The geometry of some special  $SU(n)$ -structures*, Dottorato di Ricerca in Matematica. XIX ciclo, 2004-2006. Universita degli studi di Pisa, available at [http://www2.dm.unito.it/paginepersonali/vezzoni/tesi di dottorato.pdf](http://www2.dm.unito.it/paginepersonali/vezzoni/tesi%20di%20dottorato.pdf)
  7. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl., 5-84.
  8. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  9. O. P. Santillan, *A Kähler-Einstein inspired ansatz for  $Spin(7)$  holonomy metrics and its solution*, hep-th/0609088.



10. Lucio Bedulli, Luigi Vezzoni, *The Ricci tensor of  $SU(3)$ -manifolds*, J. Geom. Phys. **57** (2007), n. 4, 1125–1146,
11. Spiro Karigiannis, *Geometric Flows on Manifolds with  $G_2$  Structure, I*, Quart. J. Math. **60** (4), pp. 487-522.
12. Rod Gover, Paul-Andi Nagy, *Four dimensional conformal  $C$ -spaces*, Q. J. Math. **58** (2007), no. 4, 443–462.
13. N. Degirmenci, N. Ozdemir, *Seiberg-Witten-like equations on 7-manifolds with  $G_2$ -structure*, J. Nonlinear Math.Phys. **12** (2005), 457-461.
14. Maciej Dunajski, Michal Godlinski,  *$GL(2, R)$  structures,  $G_2$  geometry and twistor theory*, Quarterly Journal of Mathematics (2012) 63(1), 101-132.
15. Baraglia, D., *Moduli of coassociative submanifolds and semi-flat  $G_2$ -manifolds*, J. Geom. Phys. **60**(2010), no. 12, 1903-1918.
16. Diego Conti, Marisa Fernandez, *Nilmanifolds with a calibrated  $G_2$ -structure*, Differential Geom. Appl. 29 (2011), no 4, 493-506.
17. Hyunjoo Cho, Sema Salur, Albert J. Todd, *Diffeomorphisms of 7-Manifolds with Closed  $G_2$ -Structure*, arXiv:1112.0832.
18. Hyunjoo Cho, Sema Salur, Albert J. Todd, *A Note on Closed  $G_2$ -Structures and 3-Manifolds*, Turkish J. Math. 38 (2014), no. 4, 789-795.
19. Marisa Fernandez, Anna Fino, Victor Manero,  *$G_2$ -structures on Einstein solvmanifolds*, Asian J. Math. 19 (2015), no. 2, 321-342.
20. Sema Salur, Albert J. Todd, *Diffeomorphisms of 7-Manifolds with Coclosed  $G_2$ -Structure*, arXiv:1212.2261.
21. A. Fino, A. Raffero, *Einstein locally conformal calibrated  $G_2$  structures*, Mathematische Zeitschrift August 2015, Volume 280, Issue 3, pp 1093-1106.
22. Marco Freibert, *Calibrated and parallel structures on almost Abelian Lie algebras*, arXiv:1307.2542.
23. Hyunjoo Cho, Sema Salur, Albert J. Todd, *Remarks on Hamiltonian Structures in  $G_2$ -Geometry*, J. Math. Phys. 54 (2013), no. 12, 122901, 17 pp.
24. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
25. Ilka Agricola, Simon G. Chiossi, Thomas Friedrich, Jos Höll, *Spinorial description of  $SU(3)$ - and  $G_2$ -manifolds*, Journal of Geometry and Physics, **98** (2015), 535-555.
26. Jason D. Lotay, Yong Wei, *Laplacian flow for closed  $G_2$  structures: Shi-type estimates, uniqueness and compactness*, Geometric and Functional Analysis, February 2017, Volume 27, Issue 1, pp 165-233.
27. Mohammad Shafiee, *Compatibility of  $G_2$ -structures with Symplectic Structures*, preprint 2015
28. Alberto Raffero, *Non-integrable special geometric structures in dimensions six and seven*, Ph.D Thesis, Università degli Studi di Torino, Dipartimento di Matematica Scuola di Dottorato in Scienze della Natura e Tecnologie Innovative Ciclo XXVIII, March 2016, Tutor: Prof. Anna Fino, Coordinatore del Dottorato: Prof. Ezio Venturino, Anni Accademici: 2013-2015 Settore Scientifico-disciplinare di appartenenza: MAT/03. [https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero thesis.pdf](https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero%20thesis.pdf)
29. Victor Manero, *Einstein  $SU(3)$  and  $G_2$  structures*, arXiv:1607.07775.
30. Marco Freibert, Andrew Swann, *The shear construction*, Geometriae Dedicata 198, 71-101 (2019). <https://doi.org/10.1007/s10711-018-0330-9>.
31. Jorge Lauret, *Laplacian solitons: questions and homogeneous examples*, Differential Geometry and its Applications · March 2017 DOI: 10.1016/j.difgeo.2017.06.002
32. Sergey Grigorian,  *$G_2$ -structures for  $N=1$  supersymmetric  $AdS_4$  solutions of  $M$ -theory*, Classical and Quantum Gravity, Volume 35, Number 8, 2018, 085012.
33. 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
34. 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
35. 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

36. 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.
37. 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
38. 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
39. Marisa Fernandez, Jonatan Sanchez, Jose A. Santisteban, *Compact Solvmanifolds with a Closed  $G_2$ -Structure*, *Advances in Pure Mathematics* (2018), 08(11):813-829; DOI: 10.4236/apm.2018.811050
40. 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
41. 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
42. Fabio Podesta, Alberto Raffero, *Closed  $G_2$ -structures with a transitive reductive group of automorphisms*, *Asian J. Math.* 25 (2021), no. 6, 897-910.
43. Gavin Ball, *Closed  $G_2$ -structures with conformally flat metric*, arXiv:2002.01634.
44. Gavin Ball, *Seven-Dimensional Geometries With Special Torsion*, PH.D Thesis, Department of Mathematics, Duke University 2019.
45. 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.
46. Lucia Martin-Merchan, *A compact non-formal closed  $G_2$  manifold with  $b_1 = 1$* , *Math. Nachrichten* (2022), DOI: 10.1002/mana.202000452
47. Anna Fino, Alberto Raffero (2022), *Recent results on closed  $G_2$ -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](https://doi.org/10.1007/978-3-030-81296-6_3).
48. Paul-Andi Nagy, Uwe Semmelmann, *Deformations of nearly  $G_2$ -structures*, June 2021, *Journal of the London Mathematical Society*, DOI: 10.1112/jlms.12475.
49. 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.
50. 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>,
51. 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.
52. 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](https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y).
53. 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.
54. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of  $G_2$ -structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
55. **A. Payne, *Closed  $G_2$ -Structures with Negative Ricci Curvature*, March 2025, *Bulletin of the London Mathematical Society* DOI: 10.1112/blms.70029**
56. 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>

35. "Para-Hermitian and Para-Quaternionic manifolds (with S.Zamkovoy), *Diff. Geom. Appl.*, 23 (2005), 205-234. *IF* - 0.391

цитирования - 128.

1. P.B. Gilkey, M. Brozos-Vazquez and S. Nikcevic, **Geometric realizations of curvature**, Imperial College Press (2012).
2. Miguel Brozos-Va'zquez, Eduardo Garcí'a-Ri'o, Peter Gilkey, Stana Nikcevic, and Ra'mon Va'zquez-Lorenzo, **The Geometry of Walker Manifolds**, Synthesis Lectures on Mathematics and Statistics, 2009, Vol.2, No.1, Pages 1-179
3. Esteban Calvico Louzao, **Propiedades Geometricas de operadores de curvatura y generalizaciones de espacios simitricos**, ISBN 978-84-9887-794-1 (Ediciyn digital PDF). (PhD Thesys, Universidade de Santiago de Compostela ( Espana ) en 2011.)
4. A. Andrada, *Complex product structures and affine foliations*, *Ann. Glob. Anal. Geom.* **27** (2005), 377-405.
5. A. S. Dancer, H. R. Jorgensen, A. F. Swann, *Metric geometries over the split quaternions*, *Rend. Sem. Mat. Univ. Politec. Torino* 63 (2005), no. 2, 119-139.
6. Fernando Etayo, Rafael Santamari'a, *Connections functorially attached to almost complex product structures*, *Houston J. Math.* 35 (2009), no. 2, 411-434.
7. Maciej Dunajski, Simon West, *Anti-self-dual conformal structures with null Killing vectors from projective structures*, *Comm. Math. Phys.* **272** (2007), no. 1, 85-118.
8. Lars Schäfer, *Para- $tt^*$ -bundles on the tangent bundle of an almost para-complex manifold*, *Ann. Global Anal. Geom.* **32** (2007), no. 2, 125-145.
9. Maciej Dunajski, Simon West, *Anti-Self-Dual Conformal Structures in Neutral Signature*, Contribution to the special volume 'Recent developments in pseudo-Riemannian Geometry', ESI-Series on Mathematics and Physics, 113-148, ESI Lect. Math. Phys., Eur.Math. Soc., Zu"rich, 2008, math.DG/0610280.
10. Angelo V. Caldarella, *On paraquaternionic submersions between paraquaternionic Kähler manifolds*, *Acta Applicandae Mathematicae* **112** (2010) (1), pp. 1-14.
11. Lars Schäfer, Fabian Schulte-Hengesbach, *Nearly pseudo-Kähler and nearly para-Kähler six-manifolds*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 425-453.
12. A. Cortes-Ayaso, J.C Diaz-Ramos, E. Garcia-Rio, *Four-dimensional manifolds with degenerated self-dual Weylcurvature operator*, *Ann. Glob. Ana. Geom.* **34** (2008), 185-193.
13. Davidov, J.; Diaz-Ramos, J. C.; Garcia-Rio, E.; Matsushita, Y.; Muškarov, O.; Vazquez-Lorenzo, R. *Almost Kähler Walker 4-manifolds*, *J. Geom. Phys.* **57** (2007), no. 3, 1075-1088.
14. Davidov, J., Diaz-Ramos, J. C., Garcia-Rio, E., Matsushita, Y., Muskarov, O., Vazquez-Lorenzo, R., *Hermitian-Walker 4-manifolds* *J. Geom. Phys.* **58** (2008), no. 3, 307-323.
15. Stere Ianus, Gabriel Eduard Vilcu, *Some constructions of almost para-hyperhermitian structures on manifolds and tangent bundles*, *Int. J. Geom. Methods Mod. Phys.* 5, No. 6, 893-903 (2008).
16. Stere Ianus, Gabriel Eduard Vilcu, *Paraquaternionic manifolds and mixed 3-structures*, in *Differential Geometry, Proceedings of the VIII International Colloquium, Santiago de Compostela, Spain 7-11 July 2008*, World Scientific 2009, 276-286.
17. Angelo Cardarella, *Paraquaternionic structures on smooth manifolds and related structures*, Ph.D Thesis, University Bari 2006/2007.
18. L. Schäfer,  *$tt^*$ -geometry and related pluriharmonic maps*, Proceedings of the International Conference "Differential Geometry—Dynamical Systems" (DGDS-2007), 197-210, BSG Proc., 15, Geom. Balkan Press, Bucharest, 2008.
19. Vilcu, Gabriel Eduard, *Normal semi-invariant submanifolds of paraquaternionic space forms and mixed 3-structures*, Proceedings of the International Conference "Differential Geometry—Dynamical Systems" (DGDS-2007), 232-240, BSG Proc., 15, Geom. Balkan Press, Bucharest, 2008.
20. A. Ionescu, G.E. Vilcu, *A note on para quaternionic manifolds*, *Missouri Journal of Mathematical Sciences*, **19** (3) (2007).
21. Vilcu, G. E., *Para-hyperhermitian structures on tangent bundle*, *Proc. Est. Acad. Sci.* 60, No. 3, 165-173 (2011).

22. Fabian Schulte-Hengesbach, *Half-flat structures on Lie groups*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, 2010, available at <http://www.math.uni-hamburg.de/home/schulte-hengesbach/diss.pdf> .
23. Vilcu, Gabriel Eduard, *Submanifolds of an almost para quaternionic Kähler product manifold*, Int. Math. Forum **2** (2007), no. 13-16, 735–746.
24. L. Schäfer, *tt\*-geometry and pluriharmonic maps*, Ph.D Thesis, University Henri Poincare and University of Bonn, 2006, available at <http://www.diffgeo.uni-hannover.de/schaefer/download/DR.pdf>
25. Juan Carlos Moreno Brice no, *CONTRACCIONES DE ESTRUCTURAS ALGEBRAICAS Y ALGUNAS APLICACIONES*, UNIVERSIDAD SIMON BOLIVAR Decanato de Estudios de Postgrado Maestria en Matematicas TRABAJO DE GRADO, April 2008. available at <http://159.90.80.55/tesis/000144548.pdf>
26. D. Luczyszyn, Z. Olszak, *On para holomorphically pseudo symmetric para-Kählerian manifolds*, J. Korean Math. Soc. **45** (2008), No. 4, pp. 953-963.
27. Taghavi-Chabert Arman, *The complex Goldberg-Sachs theorem in higher dimensions*, JOURNAL OF GEOMETRY AND PHYSICS Volume: 62 (2012) Issue: 5 Pages: 981-1012.
28. G. Vilcu, *Contribution to the study of quaternionic manifold*, Ph.D. Thesis University of Bucharest, 2006, available at <http://www.mathem.pub.ro/dgds/mono/vi-vol.pdf>
29. Angelo V. Caldarella, Anna Maria Pastore, *Mixed 3-Sasakian structures and curvature*, Ann. Polon. Math. **96** (2009), 107–125.
30. Johann Davidov, Gueo Grantcharov, Oleg Mushkarov, *Geometry of neutral metrics in dimension four*, Proceedings of the Thirty Seventh Spring Conference of the Union of Bulgarian Mathematicians, Borovets, April 2-6, 2008, arXiv:0804.2132,
31. Dmitri V. Alekseevsky, Costantino Medori, Adriano Tomassini, *Homogeneous para-Kähler Einstein manifolds*, Russian Mathematical Surveys **64** (1) (2009) RAS(DoM) and LMS, pp. 1-43 and Uspekhi Mat. Nauk 64:1 3–50 DOI 10.1070/RM2009v064n01ABEH004591.
32. N. Blazic, S. Vukmirovic, *Four dimensional Lie algebras with para-hypercomplex structures*, Rocky Mt. J. Math. **40**, No. 5, 1391-1439 (2010).
33. Yilmaz Gündüzalp, *Neutral slant submanifolds of a para-Kähler manifolds*, Abstr. Appl. Anal. 2013, Art. ID 752650, 8 pp.
34. Yilmaz Gündüzalp, Dicle University, Diyarbakir-TURKEY, *Anti-invariant semi-Riemannian submersions from almost para- Hermitian manifolds*, Journal of Function Spaces and Applications Volume 2013 (2013), Article ID 720623, 7 pages <http://dx.doi.org/10.1155/2013/720623>.
35. Liana David, *About the geometry of almost para-quaternionic manifolds*, Diff. Geom. Appl. **27** (2009), pp. 575 - 588.
36. S Marchiafava, *Submanifolds of (para-) quaternionic Kähler manifolds*, Note di Matematica, 2008 - 212.189.136.200
37. M. Tekkoyun, M. Sari, *Constrained Paracomplex Mechanical Systems*, arXiv:0902.4120,
38. Ianus, Stere; Mazzocco, Renzo; Vilcu, Gabriel Eduard, *Real lightlike hypersurfaces of paraquaternionic Kähler manifolds*, Mediterr. J. Math. **3** (2006), no. 3-4, 581–592.
39. Sylvain Delahaies, *Complex and contact geometry in geophysical fluid dynamics*, Submitted for the Degree of Doctor of Philosophy from the University of Surrey, 2009, available at <http://personal.maths.surrey.ac.uk/st/S.B/publications/ThesisFinal.pdf>
40. M. Brozos-Vazquez, P. Gilkey, H. Kang, S. Nikcevic, G. Weingart, *Geometric realizations of curvature models by manifolds with constant scalar curvature*, Diff. Geom. Appl. **27** (6) (2009), pp. 696-701.
41. E. Calvino-Louzao, E. Garcia-Rio, R. Vasquez-Lorenzo, *Four dimensional Osserman metrics revisited*, de Andre's, Luis Carlos (ed.) et al., Special metrics and supersymmetry. Lectures given in the workshop on geometry and physics: special metrics and supersymmetry, Bilbao, Spain, 29–31 May 2008. American Institute of Physics (AIP) (ISBN 978-0-7354-0626-1/pbk). AIP Conference Proceedings 1093, 35-48 (2009).

42. E. Calvino-Louzao, E. Garcia-Rio, P. Gilkey, R.Vazquez-Lorenzo, *The geometry of modified Riemannian extensions*, Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences **465** (2107) (2009), pp.2023-2040.
43. Malin Goteman, Ulf Lindstrom, *Pseudo-hyperkahler Geometry and Generalized Kahler Geometry*, Lett. Math. Phys. **95** (2011), no. 3, 211-222.
44. M. Brozos-Vazquez, P. Gilkey, S. Nikcevic, *Geometric realizations of curvature*, Nihonkai Math. J. **20** (2009), no. 1, 1-24.
45. Johann Davidov, Gueo Grantcharov, Oleg Mushkarov, Mirroslav Yotov, *Para-hyperhermitian surfaces*, Bull. Math. Soc. Sci.Math. Roumanie (N.S.) **52**(100) (2009), no. 3, 281-289, arXiv:0906.0546.
46. Vicente Cortes, Lars Schäfer, *Geometric structures on Lie groups with flat bi-invariant metric*, Journal of Lie Theory **19** (2) (2009), pp. 423-437 .
47. Chursin, Mykhaylo; Schäfer, Lars; Smoczyk, Knut, *Meancurvature flow of space-like Lagrangian submanifolds in almost para-Kähler manifolds*, Calc. Var. Partial Differential Equations **41** (2011), no. 1-2, 111-125.
48. Stere Ianus, Stefano Marchiafava, Gabriel Eduard Vilcu, *Paraquaternionic CR-submanifolds of paraquaternionic Kahler manifolds and semi-Riemannian submersions*, Cent. Eur. J. Math. **8**(4) 2010, 735-753.
49. Vilcu, G.E., *A new class of semi-riemannian submersions*, Romanian Journal in Physics **54** (9-10) (2009), pp. 815-821
50. M. Brozos-Vazquez, E. Garcia-Rio, P. Gilkey, R.Vazquez-Lorenzo, *Compact Osserman manifolds with neutral metric*, Results in Mathematics **59** (2011), 495-506.
51. Gabriel Eduard Vilcu, Rodica Cristina Voicu, *Curvature properties of pseudo-sphere bundles over para quaternionic manifolds*, Int. J. Geom. Methods Mod. Phys. Volume: 9, Issue: 3(2012) 1250024.
52. Simona-Luiza Druta-Romaniuc *Natural Diagonal Riemannian Almost Product and Para-Hermitian Cotangent Bundles*, Czechoslovak Math. J. **62**(137) (2012), no. 4, 937-949.
53. Karina Olszak, Zbigniew Olszak, *On 4-dimensional, conformally flat, almost  $\epsilon$ -Kählerian manifolds*, Journal of Geometry and Physics, **62**(5) (2012):1108-1113. DOI: 10.1016/j.geomphys.2011.12.007
54. Yilmaz Gündüzalp, Bayram Sahin, *Para-Contact Para-complex semi-Riemannian submersions*, Bull. Malays. Math. Sci. Soc. (2) **37** (1) (2014), 139-152.
55. Cristina Flaut and Vitalii Shpakivskyi, *Some identities in algebras obtained by the Cayley-Dickson process*, Adv. Appl. Clifford Algebr. **23** (2013), no. 1, 63-76.
56. Massimo Vaccaro, *(Para-)Hermitian and (para-)Kähler Submanifolds of a para-quaternionic Kähler manifold*, Differential Geometry and its Applications, Volume 30, Issue 4, August 2012, Pages 347-364.
57. ROSSI, F.A., *D-Complex Structures on Manifolds: Cohomological properties and deformations*, (Tesi di dottorato, Università degli Studi di Milano-Bicocca, 2013), <http://hdl.handle.net/10281/41976>, available at [http://boa.cilea.it/bitstream/10281/41976/1/Phd\\_unimib\\_734450.pdf](http://boa.cilea.it/bitstream/10281/41976/1/Phd_unimib_734450.pdf)
58. Johann Davidov, Gueo Grantcharov, Oleg Mushkarov, Miroslav Yotov, *Compact complex surfaces with geometric structures related to split quaternions*, Nuclear Phys. B **865** (2012), no. 2, 330-352.
59. Jesse Alt, Antonio J. Di Scala, Thomas Leistner, *Conformal holonomy, symmetric spaces, and skew symmetric torsion*, Diff. Geom. Appl. **33**, (2014) pp. 4-43.
60. P.M. Gadea, J. Munoz Masque, L.M. Pozo Coronado, *A-manifolds admitting a functorial connection*, Annali di Matematica pura Appl (2014) **193**:1795-1805 DOI 10.1007/s10231-013-0356-4.
61. J. Abderraman Marrero and M. Rachidi, *The Szegő matrix recurrence and its associated linear non-autonomic area-preserving map*, Electronic Journal of Linear Algebra ISSN 1081-3810 A publication of the International Linear Algebra Society Volume **24**, pp. 168-180, October 2012.
62. Lars Schäfer, *Conical Ricci-flat nearly para-Kähler manifolds*, Annals of Global Analysis and Geometry, **45** (2014), no. 1, 11-24.
63. E. Calvino-Louzao, E. Garcia-Rio, M.E. Vazquez-Abal, R. Vazquez-Lorenzo, *Geometric properties of generalized symmetric spaces*, Proceedings of the Royal Society of Edinburgh: Section A Mathematics / Volume **145** / Issue **01** / January 2015, pp 47-71. DOI: <http://dx.doi.org/10.1017/S0308210513001480>.

64. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
65. Carlos Batista, *On the Pursuit of Generalizations for the Petrov Classification and the Goldberg-Sachs Theorem*, Doctoral Thesis, Universidade Federal de Pernambuco, Departamento de Fisica Supervisor: Bruno Geraldo Carneiro da Cunha, Brazil -November - 2013, published as a book by Lambert Academic Publishing (2014). ISBN:978-3-659-52065-5, arXiv:1311.7110.
66. Rod Gover, Roberto Panai, Travis Willse, *Nearly Kähler geometry and (2,3,5)-distributions via projective holonomy*, Indiana Univ. Math. J. 66 (2017), no. 4, 1351-1416.
67. Antonio Cigliola, *Split quaternions, generalized quaternions and integer-valued polynomials*, PhD Thesis in Mathematics, Dipartimento di Matematica e Fisica, Università degli Studi Roma Tre, 2014. <http://lab12.mat.uniroma3.it/dottorato/TESI/cigliola/CIGLIOLA>
68. M. Kazemi, *Integrable distributions on semi-invariant submanifolds*, Proc. Seventh Seminar on Geometry and Topology, Iran Institute of Technology, 2014, pp. 273-276.
69. S.L. Druta-Romaniuc, *A Study on the Para-Holomorphic Sectional Curvature of Para-Kähler Cotangent Bundles*, Anal. Sci. Univ. "AL.I. CUZA" DIN IAS&I (S.N.) Mathematica, Tomul LXI, 2015, f.1, 253-262, DOI: 10.2478/aicu-2014-0033.
70. Cristina Flaut, Vitalii Shpakivskiy, *An efficient method for solving equations in generalized quaternion and octonion algebras*, Adv. Appl. Clifford Algebr. 25 (2015), no. 2, 337-350.
71. S. K. Srivastava, K. Srivastava, *Harmonic maps on paracontact manifolds*, Matematički Vesnik 69(3):153-163 · May 2017.
72. P. Gilkey, M. Itoh, J. H. Park, *Anti-invariant Riemannian Submersions*, Taiwanese J. Math., Vol. 20, No. 4, pp. 787-800, August 2016 DOI: 10.11650/tjm.20.2016.6898.
73. Reese Harvey, H. Blaine Lawson Jr., *Split special Lagrangian geometry*, Metric and Differential Geometry Progress in Mathematics Volume 297, 2012, pp 43-89;
74. Freidel, L., Leigh, R.G., Minic, D., *Born reciprocity in string theory and the nature of spacetime*, Phys. Lett. B 730 (2014), 302-306.
75. F. Etayo, R. Santamaria, *Distinguished connections on  $(J^2 = \pm 1)$ -metric manifolds*, Archivum Mathematicum (BRNO) Tomus 52 (2016), 159-203.
76. A. Anabalón, C. Batista, *A Class of Integrable Metrics*, Phys. Rev. D 93, 064079 - Published 30 March 2016.
77. R Tagore, SO Gitanjali, **Mathematical history**, book, <http://www.jimhadams.com/expo/expo323.pdf>
- 78. Bruno Klingler, Chern's conjecture for special affine manifolds, Annals Math. 186 N1 (2017), 69-95.**
79. Diego Conti, Federico A. Rossi, *The Ricci tensor of almost parahermitian manifolds*, Ann. Global Anal. Geom. 53(2018), no.4, 467-501.
80. Gabriel-Eduard Vilcu, *Paraquaternionic CR-Submanifolds*, Chapter 13 of the book **Geometry of Cauchy-Riemann Submanifolds**, pp 361-390 Date: 01 June 2016.
81. E. Peyghan, L. Nourmohammadifar, *Para-Kähler hom-Lie algebras*, Journal of Algebra and Its Applications (2019) 1950044 (24 pages), World Scientific Publishing Company DOI: 10.1142/S0219498819500440
82. Yilmaz Gündüzalp, *Almost para-Hermitian submersions*, MATEMATIQKI VESNIK 2016, Available online 20.08.2016. [http://mv.mi.sanu.ac.rs/Papers/MV2016\\_004.pdf](http://mv.mi.sanu.ac.rs/Papers/MV2016_004.pdf)
83. Bouazza Kacimi, Fouzi Hathout, H.Mohamed Dida and Mokhtaria Barnoussi, *Para-Quaternionic Structures on the 3-Jet Bundle*, Mathematical Sciences and Applications E-Notes 4 (2) 37-46 (2016).
84. M. Tekkoyun, **Mechanical Systems on Manifolds**, Differential Geometry - Dynamical Systems Monographs #11, Geometry Balkan Press, Bucharest, Romania, 2014.
85. Boris Kruglikov, Henrik Winther, *Non-degenerate Para-Complex Structures in 6D with Large Symmetry Groups*, Ann. Global Anal. Geom. 52 (2017), no. 3, 341-362.

86. Fei, T. & Zhang, J. *Interaction of Codazzi Couplings with (Para-)Kähler Geometry*, Results Math (2017). doi:10.1007/s00025-017-0711-7
87. Leila Nourmohammadifar, Esmaeil Peyghan, *Nearly para-Kähler geometry on Lie groups*, Quaestiones Mathematicae, (2021) DOI: 10.2989/16073606.2021.1969603
88. Mehmet Akyol, Yilmaz Gunduzalp, *Semi-invariant semi-Riemannian submersions*, Commun.Fac.Sci.Univ.Ank.Series A1 Volume 67, Number 1, Pages 80-92 (2018) DOI: 10.1501/Commua1\_0000000832
89. Diego Conti, Federico A. Rossi, *Einstein nilpotent Lie groups*, J. Pure Appl. Algebra 223 (2019), no. 3, 976-997.
90. C. Ida, A. Manea, *On the Integrability of Generalized Almost para-Norden and para-Hermitian Structures*, Mediterranean Journal of Mathematics, August 2017, 14:173.
91. Lars Schäher, **Nearly Pseudo-Kähler Manifolds and Related Special Holonomies**, Lecture Notes in Mathematics Volume 2201, 2017; DOI 10.1007/978-3-319-65807-0
92. Laurent Freidel, Felix J. Rudolph, David Svoboda, *Generalised Kinematics for Double Field Theory*, JHEP 11 (2017) 175.
93. David Svoboda, *Algebroid Structures on Para-Hermitian Manifolds*, Journal of Mathematical Physics 59 (2018) (12) DOI: 10.1063/1.5040263
94. Indranil Biswas, Sebastian Heller, Markus Roeser, *Real holomorphic sections of the Deligne-Hitchin twistor space*, Communications in Mathematical Physics, (2018), DOI: 10.1007/s00220-019-03340-8
95. Fernando Etayo, Araceli deFrancisco, Rafael Santamaria *The Chern Connection of a  $(J^2 = \pm 1)$ -Metric Manifold of Class  $\mathcal{G}_1$* , Mediterr. J. Math. 15 (2018), no. 4, Paper No. 157, 20 pp. DOI: 10.1007/s00009-018-1207-8
96. 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.
97. Hichem El Hendi, Lakehal Belarbi, *On paraquaternionic submersions of tangent bundle of order two*, Nonlinear Studies 25(3) (2018):653-664.
98. Peyghan, E., & Nourmohammadifar, L. *Anti-abelian nearly Kähler structures on nilpotent Lie algebras*, Periodica Mathematica Hungarica (2018), doi:10.1007/s10998-018-0244-1
99. Vincenzo E. Marotta, Richard J. Szabo, *Para-Hermitian Geometry, Dualities and Generalized Flux Backgrounds*, Fortschritte der Physik (2018), DOI: 10.1002/prop.201800093
100. Gezer, Aydin; Turanlı, Sibel *On nearly paraKähler manifolds*, Bull. Korean Math. Soc. 55 (2018), no. 3, 871-879.
101. Zhang, J., & Fei, T. (2018). *Information Geometry with (Para-)Kähler Structures*, Springer Proceedings in Mathematics & Statistics, 297-321. doi:10.1007/978-3-319-97798-0\_11.
102. Simona-Luiza Druta-Romaniuc, *General Natural  $(\alpha, \varepsilon)$ -Structures* December 2018, Mediterranean Journal of Mathematics 15 (2018), no. 6, 15-228. DOI: 10.1007/s00009-018-1271-0.
103. Cornelia-Livia Bejan, Galia Nakova, *Almost Para-Hermitian and Almost Paracontact Metric Structures Induced by Natural Riemann Extensions*, Results in Mathematics 74(1) (2018), DOI: 10.1007/s00025-018-0939-x
104. Varun Thakre, *Hypersymplectic manifolds and associated geometries*, arXiv:1901.05629.
105. 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
106. 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
107. Diego Conti, Viviana del Barco, Federico A. Rossi, *Diagram involutions and homogeneous Ricci-flat metrics*, Manuscripta Math.165(2021), no.3-4, 381-413.
108. 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>.
109. 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.

110. 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
111. Simona-Luiza Druta-Romaniuc,  $(\alpha, \epsilon)$ -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.
112. Ilmas Gunduzalp, *Neutral slant submersions in paracomplex geometry*, Afrika Matematika (2021), DOI: 10.1007/s13370-021-00884-8.
113. 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>.
114. , Y. Gund'uzalp *Warped product pointwise hemi-slant submanifolds of a Para-Kaehler manifold*, Filomat 36:1 (2022), 275–288, <https://doi.org/10.2298/FIL2201275G>
115. H. Manev, **Natural connections on Riemannian P-manifolds** (in bulgarian), Plovdiv 2022
116. Novica Blazic and Srđan Vukmirovic, *PARA-HYPERCOMPLEX STRUCTURES ON A FOUR-DIMENSIONAL LIE GROUP*, Contemporary Geometry And Related Topics, pp. 41-56 (2004), [https://doi.org/10.1142/9789812703088\\_0003](https://doi.org/10.1142/9789812703088_0003)
117. 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
118. 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>.
119. 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>.
120. Mohammad Bagher, Kazemi Balgeshir, Fatemeh Raei, *Recurrent and  $\phi$ -recurrent curvature on mixed 3-Sasakian manifolds*, January 2023, Novi Sad Journal of Mathematics. DOI: 10.30755/NSJOM.10764.
121. Liu, X., Zhang, Y. (2023). Matrices over Quaternion Algebras. In: Mathematics Online First Collections. Springer, Cham. [https://doi.org/10.1007/16618\\_2023\\_46](https://doi.org/10.1007/16618_2023_46).
122. 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.
123. W Krynski, A Sergyeyev, *Two-component integrable extension of general heavenly equation*, arXiv:2402.10317.
124. Milos Z. Petrovic, *On generalized almost para-Hermitian spaces*, Filomat 37:25 (2023), 8719–8724.
125. M. J. D. Hamiltonm, D. Kotschick, P. N. Pilatus, *Born geometry via Künneth structures and recursion operators*, arXiv.2410.15402.
126. Alejandro Gil-Garcia, Paula Naomi Pilatus, *Born Lie algebras*, DOI: 10.48550/arXiv.2411.04856.
127. Aidan Patterson, *Para-Holomorphic Algebroids and Para-Complex Connections*, arXiv:2501.03519, Masters thesis accepted by the University of Waterloo 2022.
128. Sedat Ayaz and Yilmaz Gündünzalp, *WARPED PRODUCT POINTWISE SEMI-SLANT SUBMANIFOLDS OF NEARLY PARA-KAEHLER MANIFOLDS*, CALCULATION Volume1, Issue1, 2025, Pages:2-18.
- 36. "SU(3)-instantons and  $G_2, Spin(7)$  heterotic string solitons (with P. Ivanov), Commun. Math. Phys., 259(2005), 79-102. IF - 2.007**  
*цитирация - 44.*
1. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS<sub>5</sub> solutions of M-theory*, Class. Quant. Grav. **21** (2004) 4335-4366, hep-th/0402153.
  2. Melanie Becker, Keshav Dasgupta, Anke Knauf, Radu Tatar, *Geometric transitions, Flops and Non-Kähler manifolds:I*, Nucl.Phys. **B702**, (2004) 207-268.



3. Simon Chiossi, Andrew Swann, *G<sub>2</sub>-structures with torsion from half-flat-integrable nilmanifolds*, J. Geom. Phys.54 (2005), no. 3, 262–285.
4. Jerome P. Gauntlett, Dario Martelli, James Sparks, Daniel Waldram, *Supersymmetric AdS Backgrounds in String and M-theory*, hep-th/0411194, to appear in the proceedings of the 73rd Meeting between Physicists and Mathematicians (A)dS/CFT correspondence Strasbourg, September 11-13, 2003.
5. Frank Klinker, *The torsion of spinor connections and related structures*, SIGMA 2 (2006), 077, 28 pages; math.DG/0611288.
6. O. P. Santillan, *A Kähler-Einstein inspired ansatz for Spin(7) holonomy metrics and its solution*, hep-th/0609088.
7. Frederik Witt, *Metric bundles of split signature and type II supergravity*, In: H. Baum, D. Alekseevsky (ed.), Recent Developments in Pseudo-Riemannian Geometry pp. 455-494, EMS 2008.
8. Keshav Dasgupta, Marc Grisar, Rhiannon Gwyn, Sheldon Katz, Anke Knauf, Radu Tatar, *Gauge-Gravity Dualities, Dipoles and New Non-Kähler Manifolds*, Nucl.Phys. **B755** (2006) 21-78, hep-th/0605201.
9. Nils Schoemann, *Almost Hermitian Structures with Parallel Torsion*, J. Geom. Phys. **57** (2007), no. 11, 2187–2212.
10. T. B. Madsen, *Torsion geometry and scalar functions*, University of Southern Denmark, qualifying report, August 2009.  
<http://home.imf.au.dk/tbmadsen/DMF-2009-11-003-v1.pdf>
11. Ali, Tibra; Cleaver, Gerald B., *A Note on the Standard Embedding on Half-Flat Manifolds*, JHEP07(2008)121, arXiv.org:0711.3248.
12. Alexander D. Popov, *Hermitian-Yang-Mills equations and pseudo-holomorphic bundles on nearly Kähler and nearly Calabi-Yau twistor 6-manifolds*, Nucl. Phys. B **828** (2010) pp. 594 - 624, arXiv:0907.0106.
13. Raquel Villacampa, *Special metrics on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
14. H.V. Le, M. Munir, *The geometry of compact homogeneous spaces with invariant G<sub>2</sub>-structures*, Advances in Geometry, **12** (2012), no. 2, 302-328.
15. E.K. Loginov, *Classification of BPS equations in higher dimensions*, Phys. Rev. D **78**:065010, 2008, arXiv:0809.1408.
16. E.K. Loginov, *Remarks on string solitons*, Phys.Rev.D **77**:105003, 2008, arXiv:0805.0870.
17. Vitaly V. Balashchenko, *Invariant structures on the 6-dimensional generalized heisenberg group*, Kragujevac Journal of Mathematics Volume **35** Number 2 (2011), Pages 209-222.
18. Mancho Manev, Miroslava Ivanova, *A classification of the torsion tensors on almost contact manifolds with B-metric*, Central European Journal of Mathematics, October 2014, Volume 12, Issue 10, pp 1416-1432; arXiv:1105.5715.
19. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.
20. Kazuki Hinoue, Yukinori Yasui, *Heterotic Solutions with G<sub>2</sub> and Spin(7) Structures*, JP Journal of Geometry and Topology **17.1** (Feb 2015): 17-48.
21. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *Moduli of G<sub>2</sub> structures and the Strominger system in dimension 7*, arXiv:1607.01219.
22. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *The infinitesimal moduli space of heterotic G<sub>2</sub> systems*, Comm. Math. Phys. **360** (2018), no. 2, 727-775.
23. Mancho Manev, *On Geometry of Manifolds with Some Tensor Structures and Metrics of Norden Type*, Thesis for: Doctor of Sciences in Mathematics, 2017, DOI: 10.13140/RG.2.2.33038.05446. arXiv:1706.05505.
24. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in (1,0) non-linear  $\sigma$ -models*, Journal of High Energy Physics **2019**(1) DOI: 10.1007/JHEP01(2019)062
25. 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.

26. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
27. E.K. Loginov, *Octonionic instantons in eight dimensions*, March 2021, Physics Letters B 816:136244 DOI: 10.1016/j.physletb.2021.136244.
28. 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.
29. 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.
30. E.K. Loginov, *Solitons and exotic instantons*, PHYSICAL REVIEW D 104, 106003 (2021), DOI: 10.1103/PhysRevD.104.106003.
31. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G2 system*, arXiv:2111.13221.
32. 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,
33. Izar Alonso, *Coclosed G2-structures on SU(2)<sup>2</sup>-invariant cohomogeneity one manifolds*, 2025 Annals of Global Analysis and Geometry 67(1):1-23 DOI: 10.1007/s10455-024-09981-w
34. 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.
35. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
36. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
37. E Loubeau, *The analysis of the harmonic-spin(7) flow*, arXiv:2311.17800.
38. Mateo Galdeano, Leander Stecker, *The heterotic G2 system with reducible characteristic holonomy*, arXiv:2403.00084.
39. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G2-instantons*, arXiv:2404.12937.
40. Andres J. Moreno, Luis E. Portilla, *Homogeneous G2 and Sasakian instantons on the Stiefel 7-manifold*, arXiv:2406.06753.
41. Caleb Suan, *Anomaly Flow: Shi-Type Estimates and Long-time Existence*, arXiv:2408.15514.
42. Jock McOrist, Martin Sticka, and Eirik Eik Svanes, *The physical moduli of heterotic G2 string compactifications*, arXiv:2409.13080 .
43. Anna Fino, Udhav Fowdar, *Some remarks on strong G2-structures with torsion*, arXiv:2502.06066.
44. Jock McOrist, Martin Sticka and Eirik Eik Svanes, *The heterotic G2 moduli space metric*, arXiv:2502.16093.
- 37. "Hyper-ParaHermitian manifolds with torsion"(with V. Tsanov and S. Zamkovoy), J. Geom. Phys., 56 (2006), 670-690. IF - 0.956**  
цитирания - 12.
1. Fernando Etayo, Rafael Santamari'a, *Connections functorially attached to almost complex product structures*, Houston J. Math. 35 (2009), no. 2, 411-434.
  2. A. Swann, *Quaternionic geometries from superconformal symmetry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 455-476.
  3. Vilcu, G. E., *Para-hyperhermitian structures on tangentbundle*, Proc. Est. Acad. Sci. 60, No. 3, 165-173 (2011).
  4. T. B. Madsen, *Torsion geometry and scalar functions*, University of Southern Denmark, qualifying report, August 2009.  
<http://home.imf.au.dk/tbmadsen/DMF-2009-11-003-v1.pdf>

5. Dmitri V. Alekseevsky, Costantino Medori, Adriano Tomassini, *Homogeneous para-Kähler Einstein manifolds*, Russian Mathematical Surveys **64** (1) (2009) RAS(DoM) and LMS, pp. 1-43 and Uspekhi Mat. Nauk 64:1 3-50 DOI 10.1070/RM2009v064n01ABEH004591.
  6. Angelo V. Caldarella, *On paraquaternionic submersions between paraquaternionic Kähler manifolds*, Acta Applicandae Mathematicae **112** (2010) (1), pp. 1-14.
  7. Johann Davidov, Gueo Grantcharov, Oleg Mushkarov, Miroslav Yotov, *Compact complex surfaces with geometric structures related to split quaternions*, Nuclear Phys. B **865** (2012), no. 2, 330-352.
  8. Gueo Grantcharov and Camilo Montoya, *On Functions of Several Split-Quaternionic Variables*, Advances in Mathematical Physics (2016), Art. ID 3654530, 12 pp.
  9. Bouazza Kacimi, Fouzi Hathout, H.Mohamed Dida and Mokhtaria Barnoussi, *Para-Quaternionic Structures on the 3-Jet Bundle*, Mathematical Sciences and Applications E-Notes **4** (2) 37-46 (2016).
  10. 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.
  11. Hichem El Hendi, Lakehal Belarbi, *On paraquaternionic submersions of tangent bundle of order two*, Nonlinear Studies **25**(3) (2018):653-664.
  12. Leila Nourmohammadifar, Esmail Peyghan, *Nearly para-Kähler geometry on Lie groups*, Quaestiones Mathematicae, (2021) DOI: 10.2989/16073606.2021.1969603
- 38. "Locally conformal parallel  $G_2$  and  $Spin(7)$  manifolds (with M. Parton and P. Piccinni), Math. Res. Lett., 13 (2006), 167-177. IF - 0.664**  
цитирания - 32.
1. Simon G. Chiossi, Anna Fino, *Special metrics in  $G_2$  geometry*, Rev. Un. Mat. Argentina **47** (2006), no. 1, 35-49 (2007).
  2. Misha Verbitsky, *An intrinsic volume functional on almost complex 6-manifolds and nearly Kaehler geometry*, Pacific J.Math. **235** (2008), no. 2, 323-344.
  3. Ilka Agricola, Thomas Friedrich, *Geometric structures of vectorial type*, J. Geom. Phys. **56** (2006), no. 12,2403-2414.
  4. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) **42** (2006), suppl.,5-84.
  5. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  6. O. P. Santillan, *A Kähler-Einstein inspired ansatz for  $Spin(7)$  holonomy metrics and its solution*, hep-th/0609088.
  7. Bonan, Edmond, *Connexions pour les varietes riemanniennes avec une structure de type  $G_2$  ou  $Spin(7)$  [Connections for Riemannian manifolds with structure group  $G_2$  or  $Spin(7)$ ]*, C. R. Math. Acad. Sci. Paris**343** (2006), no. 11-12, 755-758.
  8. Selman Uguz, *Lee form and special warped-like product manifolds with locally conformally parallel  $Spin(7)$  structures*, Ann. Glob. Anal. Geom. Volume 43, Issue 2, 2013, Pages 123-141.
  9. Paul-Andi Nagy, *Prolongations of Lie algebras and applications*, J. Lie Theory, Volume 23, Issue 1, 2013, Pages 1-33.
  10. A. Fino, A. Raffero, *Einstein locally conformal calibrated  $G_2$  structures*, Mathematische Zeitschrift August 2015, Volume 280, Issue 3, pp 1093-1106.
  11. Selman Uguz, Ibrahim Unal, *Fiber structures of special  $(4 + 3 + 1)$  warped-like manifolds with  $Spin(7)$  holonomy*, Int. J. Geom. Methods Mod. Phys. **11** (2014), no. 8, 1450076, 23 pp.
  12. Marisa Fernández, Anna Fino, Alberto Raffero, *Locally conformal calibrated  $G_2$ -manifolds*, Annali di Matematica Pura ed Applicata, October 2016, Volume 195, Issue 5, pp 1721-1736, doi:10.1007/s10231-015-0544-5.
  13. A. Haupt, *Yang-Mills solutions and  $Spin(7)$ -instantons on cylinders over coset spaces with  $G_2$ -structures*, Journal of High Energy Physics 2016(3),December 2015.

14. Alberto Raffero, *Non-integrable special geometric structures in dimensions six and seven*, Ph.D Thesis, Universita degli Studi di Torino, Dipartimento di Matematica Scuola di Dottorato in Scienze della Natura e Tecnologie Innovative Ciclo XXVIII, March 2016, Tutor: Prof. Anna Fino, Coordinatore del Dottorato: Prof. Ezio Venturino, Anni Accademici: 2013-2015 Settore Scienti co-disciplinare di afferenza: MAT/03. [https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero thesis.pdf](https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero%20thesis.pdf)
  15. Giovanni Bazzoni , *Locally conformally symplectic and Kaehler geometry*, EMS Surv. Math. Sci. 5 (2018), no. 1-2, 129-154.
  16. Shiping Zhong, *Spin(7)Spin(7)-structure equation and the vector elliptic Liouville equation* Advances in Difference Equations 2018(1), DOI: 10.1186/s13662-018-1765-x
  17. 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
  18. Giovanni Bazzoni, Alberto Raffero, *Special types of locally conformal closed  $G_2$ -structures*, Axioms (2018) , DOI: 10.3390/axioms7040090.
  19. 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
  20. Udhav Fowdar,  *$S^1$ -quotient of Spin(7)-structures*, March 2020, Annals of Global Analysis and Geometry DOI: 10.1007/s10455-020-09710-z
  21. 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
  22. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
  23. Christopher Lin, *Some Observations on Conformal Symmetries of  $G_2$ -structures*, Adv. Geom.24(2024), no.2, 229-246.
  24. 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.
  25. D. Farotti, J. Gutowski, *Supersymmetry Enhancement of Heterotic Horizons*, Classical and Quantum Gravity 39(2), (2022), DOI: 10.1088/1361-6382/ac40e5/
  26. Giovanni Bazzoni, Anyonio Garvin, Vicente Munoz, *Purely coclosed  $G_2$ -structures on nilmanifolds* , March 2023, Mathematische Nachrichten DOI: 10.1002/mana.202100665.
  27. 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](https://riuma.uma.es/xmlui/bitstream/handle/10630/24130/TD_MARTIN_MERCHAN_Lucia.pdf?sequence=1&isAllowed=y).
  28. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kahler Geometry**, arXiv:2208.07188.
  29. Marisa Fernandez, Anna Fino, Alexei Kovalev, Vicente Munoz, *On nearly parallel  $G_2$ -manifolds*, arXiv:2208.13046.
  30. Giovanni Bazzoni, Alejandro Gil-Garcia , *Moduli Spaces of (co)closed  $G_2$ -structures on nilmanifolds*, July 2024, The Quarterly Journal of Mathematics 75(3):987-1005, DOI: 10.1093/qmath/haae037.
  31. Eyup Yalcinkaya, *On Locally Conformal Spin(7) Structure*, arXiv:2403.00731.
  32. Kamil Niedzialomski, *Two notes on Spin(7)-structure*, arXiv:2212.13811.
  33. Grigory Papayanov, *Goto's deformation theory of geometric structures, a Lie-theoretical description*, January 2025, Journal of Geometry and Physics DOI: 10.1016/j.geomphys.2025.105434.
- 39. "SU(3)-structures on submanifolds of a Spin(7)-manifold"(with Francisco Marti'n Cabrera), Diff. Geom. Appl., 26 (2008), 113-132. IF - 0.533**  
*цитирования - 8.*
1. O. P. Santillan, *A Kähler-Einstein inspired ansatz for Spin(7) holonomy metrics and its solution*, hep-th/0609088.

2. Alexander D. Popov, *Hermitian-Yang-Mills equations and pseudo-holomorphic bundles on nearly Kähler and nearly Calabi-Yau twistor 6-manifolds*, Nucl. Phys. B **828** (2010) pp. 594 - 624.
  3. Selman Akbulut, Sema Salur, *Mirror Duality via  $G/2$  and  $Spin(7)$  Manifolds*, Arithmetic and Geometry Around Quantization, Progress in Mathematics Volume 279, 2010, pp 1-21.
  4. Selman Uguz, *Lee form and special warped-like product manifolds with locally conformally parallel  $Spin(7)$  structures*, Ann. Glob. Anal. Geom. Volume 43, Issue 2, 2013, Pages 123-141.
  5. Selman Uguz, Ibrahim Unal, *Fiber structures of special  $(4 + 3 + 1)$  warped-like manifolds with  $Spin(7)$  holonomy*, Int. J. Geom. Methods Mod. Phys. 11 (2014), no. 8, 1450076, 23 pp.
  6. Selman Uguz, *Warped-like product manifolds with exceptional holonomy groups*, October 2020, arXiv:2010.10401.
  7. Kamil Niedzialomski, *Two notes on  $Spin(7)$ -structure*, arXiv:2212.13811.
  8. Eyup Yalcinkaya, *On Locally Conformal  $Spin(7)$  Structure*, arXiv:2403.00731.
40. "Twistor and Reflector Spaces of Almost Para-Quaternionic Manifolds (with I. Minchev and S. Zamkovoy), Cortes'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. Zurich: European Mathematical Society. IRMA Lectures in Mathematics and Theoretical Physics **16**, 477-496 (2010).
- цитираниа - 14.*
1. Thomas Mohaupt, *Special geometry, black holes and Euclidean supersymmetry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 149-184.
  2. A. Ionescu, G.E. Vilcu, *A note on paraquaternionic manifolds*, Missouri Journal of Mathematical Sciences, **19** (3) (2007).
  3. Vilcu, Gabriel Eduard, *Submanifolds of an almost paraquaternionic Kähler product manifold*, Int. Math. Forum **2** (2007), no. 13-16, 735-746.
  4. G. Vilcu, *Contribution to the study of quaternionic manifold*, Ph.D. Thesis University of Bucharest, 2006, available <http://www.mathem.pub.ro/dgds/mono/vi-vol.pdf>
  5. Liana David, *About the geometry of almost para-quaternionic manifolds*, Diff. Geom. Appl. **27** (2009), pp. 575 - 588.
  6. Ianus, Stere; Mazzocco, Renzo; Vilcu, Gabriel Eduard, *Real lightlike hypersurfaces of paraquaternionic Kählermanifolds* Mediterr. J. Math. **3** (2006), no. 3-4, 581-592.
  7. Angelo V. Caldarella, *On paraquaternionic submersions between paraquaternionic Kähler manifolds*, Acta Applicandae Mathematicae **112** (2010) (1), pp. 1-14.
  8. Stere Ianus, Stefano Marchiafava, Gabriel Eduard Vilcu, *Paraquaternionic CR-submanifolds of paraquaternionic Kahlermanifolds and semi-Riemannian submersions*, Cent. Eur. J. Math. 8(4) 2010, 735-753.
  9. Gabriel Eduard Vilcu, Rodica Cristina Voicu, *Curvature properties of pseudo-sphere bundles over paraquaternionic manifolds*, Int. J. Geom. Methods Mod. Phys. Volume: 9, Issue: 3(2012) 1250024.
  10. Paul Dempster, *Time-like reductions of supergravity and black string solutions*, Thesis submitted in accordance with the requirements of the University of Liverpool for the degree of Doctor in Philosophy, September 23, 2014. [http://repository.liv.ac.uk/19913/1/DempsterPau\\_Sep2014\\_19913.pdf](http://repository.liv.ac.uk/19913/1/DempsterPau_Sep2014_19913.pdf)
  11. Gabriel-Eduard Vilcu, *Paraquaternionic CR-Submanifolds*, Chapter 13 of the book **Geometry of Cauchy-Riemann Submanifolds**, pp 361-390 Date: 01 June 2016.
  12. Vojtech Zadnik, *Interactions between para-quaternionic and Grassmannian geometry*, Ann Glob Anal Geom (2020), <https://doi.org/10.1007/s10455-020-09701-0>.
  13. 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>

41. "Nearly hypo structures and compact Nearly Kähler 6-manifolds with conical singularities (with M. Fernández, V. Muñoz and L. Ugarte), *Journal London Math. Soc* 78(2008), 580-604. *IF* - 0.809 цитирования - 44.

1. Boyer, Charles P.; Galicki, Krzysztof, **Sasakian geometry**. Oxford Mathematical Monographs. Oxford University Press, Oxford, 2008.
2. Diego Conti, *Cohomogeneity one Einstein-Sasaki 5-manifolds*, *Commun. Math. Phys.* **274** (2007), N. 3, 751-774.
3. Andrei Moroianu, Liviu Ornea, *Conformally Einstein Products and Nearly Kähler Manifolds*, *Ann. Glob. Anal. Geom.* **33** (2008), 11-18.
4. Charles P. Boyer, Krzysztof Galicki, *Sasakian Geometry, Holonomy, and Supersymmetry* IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 39-83.
5. Sebastian Stock, *Lifting  $SU(3)$ -structures to nearly parallel  $G_2$ -structures*, *J. Geom. Phys.* 59, No. 1, 1-7 (2009).
6. Sebastian Stock, *Gauge Deformations and Embedding Theorems for Special Geometries*, arXiv:0909.5549.
7. Paul-Andi Nagy, *Connections with totally skew-symmetric torsion and nearly-Kähler geometry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 347-398.
8. Fabian Schulte-Hengesbach, *Half-flat structures on Lie groups*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, 2010, available at <http://www.math.uni-hamburg.de/home/schulte-hengesbach/diss.pdf>
9. R. Mocanu, M.I. Munteanu, *Gray Curvature Identities for Almost Contact Metric Manifolds*, *Journal of the Korean Mathematical Society*, Volume: 47 Issue: 3 Pages: 505-521.
10. Diego Conti, *Embedding into manifolds with torsion*, *Mathematische Zeitschrift*, 2011, Volume 268, Numbers 3-4, Pages 725-751.
11. Lucio Bedulli, Luigi Vezzoni, *Torsion of  $SU(2)$ -structures and Ricci curvature in dimension 5*, *Differ. Geom. Appl.* 27, No. 1, 85-99 (2009).
12. Lars Schäfer, Fabian Schulte-Hengesbach, *Nearly pseudo-Kähler and nearly para-Kähler six-manifolds*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 425-453.
13. Richard Cleyton, *Riemannian products which are conformally equivalent to Einstein metrics*, arXiv:0805.3630.
14. Raquel Villacampa, *Special metrics on complex manifolds*, Ph.D Thesis, University of Zaragoza, 2009.
15. Vicente Cortes, Thomas Leistner, Lars Schäfer, Fabian Schulte-Hengesbach, *Half-flat Structures and Special Holonomy*, *Proc. Lond. Math. Soc.* 3 **102**, (2011), 113-158.
16. Karl-Philip Gemmer, Olaf Lechtenfeld, Christoph Nölle, Alexander D. Popov, *Yang-Mills instantons on cones and sine-cones over nearly Kähler manifolds*, *J. High Energy Phys.* 2011, no. 9, 103, 25 pp.
17. Derek Harland, Christoph Nölle, *Instantons and Killing spinors*, *Journal of High Energy Physics* 2012 (3), art. no. 082.
18. Schaefer Lars, *Foliations of Semi-Riemannian Manifolds*, *Results in Mathematics* Volume 61, Numbers 1-2 (2012), 97-126, DOI: 10.1007/s00025-010-0078-5.
19. Karigiannis, S., McKay, B., Tsui, M.-P., *Soliton solutions for the Laplacian co-flow of some  $G_2$ -structures with symmetry*, *Differential Geometry and its Application*, Volume 30, Issue 4, August 2012, Pages 318-333.
20. Sebastian Stock, *Evolution of Geometries with torsion*, Inaugural-Dissertation zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen Fakultät der Universität zu Köln, available at: <http://www.igt.uni-stuttgart.de/LstGeo/Semmelmann/Diplomarbeiten/stock-diss.pdf>
21. Jos Höll, *Geometric structures and special spinor fields*, Dissertation zur Erlangung des Doktorgrades der Naturwissenschaften (Dr. rer. nat.) am Fachbereich der Mathematik und Informatik der Philipps-Universität Marburg, 2014.

22. Severin Bunk, Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, *Instantons on conical half-flat 6-manifolds*, Journal of High Energy Physics January 2015, 2015:30.
  23. Severin Bunk, *A method of deforming G-structures*, Journal of Geometry and Physics Volume 96, October 2015, Pages 72-80.
  24. Beniamino Cappelletti-Montano, Giulia Dileo, *Nearly Sasakian geometry and SU(2)-structures*, Ann. Mat. Pura Appl. (4) 195 (2016), no. 3, 897-922.
  25. Ilka Agricola, Simon G. Chiossi, Thomas Friedrich, Jos Höll, *Spinorial description of SU(3)- and G<sub>2</sub>-manifolds*, Journal of Geometry and Physics, **98** (2015), 535-555.
  26. Severin Bunk, *Heterotic Flux Compactifications with Sasakian Manifolds*, Master Thesis in Institut für Theoretische Physik Gottfried Wilhelm Leibniz Universität Hannover, 2014.  
available at <https://www.itp.uni-hannover.de/lechtenf/Theses/bunk.pdf>
  27. David Morris, *Nearly Kaehler Geometry in Six Dimensions*, Department of Pure Mathematics, Imperial College London Submitted for the degree of MPhil September 15 th , 2014. available at:  
<https://spiral.imperial.ac.uk:8443/bitstream/10044/1/23298/3/Morris-DM-2014-MPhil-Thesis.pdf>
  28. Lorenzo Foscolo, Mark Haskins, *New G<sub>2</sub> holonomy cones and exotic nearly Kaehler structures on the 6-sphere and the product of a pair of 3-spheres*, Annals Math. (2) **185** (2017), no. 1, 59-130.
  29. Anton F. Faedo, David Mateos, Javier Tarrío, *Three-dimensional super Yang-Mills with unquenched flavor*, J. High Energy Phys. 2015, no. 7, 056, front matter+26 pp.
  30. Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, Richard J. Szabo, *Sasakian quiver gauge theories and instantons on cones over lens 5-spaces*, Nuclear Physics **B 899** (2015) 848-903.
  31. Victor Manero, *Closed G<sub>2</sub> forms and special metrics*, Ph.D Thesys, Universidad del Pais Vasco, Bilbao 2015.  
[https://addi.ehu.es/bitstream/10810/16773/1/TESIS\\_VICTOR\\_MANERO\\_GARCIA.pdf](https://addi.ehu.es/bitstream/10810/16773/1/TESIS_VICTOR_MANERO_GARCIA.pdf)
  32. R. Albuquerque, *Natural SU(2)-structures on tangent sphere bundles*, arXiv:1604.05390.
  33. Alberto Raffero, *Non-integrable special geometric structures in dimensions six and seven*, Ph.D Thesis, Universita degli Studi di Torino, Dipartimento di Matematica Scuola di Dottorato in Scienze della Natura e Tecnologie Innovative Ciclo XXVIII, March 2016, Tutor: Prof. Anna Fino, Coordinatore del Dottorato: Prof. Ezio Venturino, Anni Accademici: 2013-2015 Settore Scienti co-disciplinare di afferenza: MAT/03.  
[https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero thesis.pdf](https://iris.unito.it/retrieve/handle/2318/1557510/127217/Raffero%20thesis.pdf)
  34. Victor Manero, *Einstein SU(3) and G<sub>2</sub> structures*, arXiv:1607.07775.
  35. Ilka Agricola, Aleksandra Borowka, Thomas Friedrich, *S<sup>6</sup> and the geometry of nearly Kahler 6-manifolds*, Differential Geometry and its Applications · November 2017 DOI: 10.1016/j.difgeo.2017.10.007.
  36. Lars Schäher, **Nearly Pseudo-Kähler Manifolds and Related Special Holonomies**, Lecture Notes in Mathematics Volume 2201, 2017; DOI 10.1007/978-3-319-65807-0
  37. Jesse Madnick, *Nearly-Kahler 6-Manifolds of Cohomogeneity Two: Local Theory*, Thesis (Ph.D.)–Stanford University. 2018. (no paging). ISBN: 979-8662-55940-0.
  38. Salamon S. (2017) *Manifolds with Exceptional Holonomy*, In: Chiossi S., Fino A., Musso E., Podesta F., Vezzoni L. (eds) Special Metrics and Group Actions in Geometry. Springer INdAM Series, vol 23. Springer, Cham, pp.307-338.
  39. R.Albuquerque, *A fundamental differential system of 3-dimensional Riemannian geometry*, Bulletin des Sciences Mathematiques Volume 143, March 2018, Pages 82-107.
  40. Fabio Podesta, *Nearly parallel G<sub>2</sub>-structures with large symmetry group*, December 2019, Canadian Journal of Mathematics DOI: 10.4153/S0008414X19000634.
  41. Gavin Ball, Jesse Madnick, *Associative Submanifolds of the Berger Space*, arXiv:2003.13169.
  42. Diego Conti, Romeo Segnan Dalmasso, *Killing spinors and hypersurfaces*, April 2024, International Journal of Mathematics 35(10) DOI: 10.1142/S0129167X24500356.
  43. Ragini Singhal, *Nearly half-flat SU(3)-structures on S<sup>3</sup>×S<sup>3</sup>*, December 2024, Differential Geometry and its Applications 97(4):102187 DOI: 10.1016/j.difgeo.2024.102187
  44. Simon Salamon, Ragini Singhal, *Revisiting 3-Sasakian and G<sub>2</sub>-structures*, arXiv:2412.19525.
42. "Conformal equivalence between certain geometries in dimension 6 and 7 (with R. Cleyton), *Math. Res. Lett.* 15 (2008), 631-641. IF - 0.524  
цитирания - 18.

1. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5–84.
2. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
3. Andrei Moroianu, Liviu Ornea, *Conformally Einstein Products and Nearly Kähler Manifolds*, Ann. Glob. Anal. Geom. **33** (2008), 11-18, math.DG/0610599.
4. Jean-Baptiste Butruille, *Espace de twisteurs d'une variété presque hermitienne de dimension 6*, Ann. Inst. Fourier (Grenoble) **57** (2007), no. 5, 1451–1485.
5. Paul-Andi Nagy, *Connexions with totally skew-symmetric torsion and nearly-Kähler geometry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 347-398.
6. Paul-Andi Nagy, *Prolongations of Lie algebras and applications*, J. Lie Theory, Volume 23, Issue 1, 2013, Pages 1-33.
7. Oscar Macia, *A Nearly Quaternionic Structure on  $SU(3)$* , Journal of Geometry and Physics **60** (2010) (5), pp. 791-798.
8. Miguel Brozos-Vázquez, Eduardo García-Río, Peter Gilkey, Luis Hervella, *Geometric Realizability of Covariant Derivative Kähler Tensors for almost Pseudo-Hermitian and almost Para-Hermitian Manifolds*, Ann. Mat. Pura Appl. (4) 191 (2012), no. 3, 487-502.
9. Sergey Grigorian, *Deformations of  $G_2$ -structures with torsion*, Asian Journal of Mathematics, **20** (2016), 123-156.
10. Sergey Grigorian,  *$G_2$ -structure deformations and warped products*, String-Math 2011, 367-379, Proc. Sympos. Pure Math., 85, Amer. Math. Soc., Providence, RI, 2012.
11. Y. Euha, J.H. Parka, K. Sekigawa, *Nearly Kähler manifolds with vanishing Tricerri–Vanhecke Bochner curvature tensor*, Differential Geometry and its Applications, Volume 27, Issue 2, April 2009, Pages 250-256.
12. Sergey Grigorian, *Short-time behaviour of a modified Laplacian coflow of  $G_2$ -structures*, Adv. Math. 248 (2013), 378-415.
13. Sergey Grigorian, *Modified Laplacian coflow of  $G_2$ -structures on manifolds with symmetry*, Differential Geometry and its Applications, Volume 46, June 2016, Pages 39-78.
14. A. Haupt, *Yang-Mills solutions and Spin(7)-instantons on cylinders over coset spaces with  $G_2$ -structures*, Journal of High Energy Physics 2016(3), December 2015.
15. Sergey Grigorian,  *$G_2$ -structures for  $N=1$  supersymmetric  $AdS_4$  solutions of M-theory*, Classical and Quantum Gravity, Volume 35, Number 8, 2018, 085012.
16. 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
17. 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
18. 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.
- 43. "Curvature decomposition of  $G_2$  manifolds"(with Richard Cleyton), J. Geom. Phys 58 (2008), 1429-1449. IF - 0.683  
цитирания - 27.**
  1. Ilka Agricola, *The Srni lectures on non-integrable geometries with torsion*, Arch. Math. (Brno) 42 (2006), suppl.,5–84.
  2. Ilka Agricola, *Non-integrable geometries, torsion and holonomy*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 277-346.
  3. Paul-Andi Nagy, *Connexions with totally skew-symmetric torsion and nearly-Kähler geometry*, IRMA Lectures in Mathematics and Theoretical Physics Vol. 16, Handbook of Pseudo-Riemannian Geometry and Supersymmetry, (Ed. Vicente Cortes), 347-398.



4. Karigiannis, S., McKay, B., Tsui, M.-P., *Soliton solutions for the Laplacian co-flow of some  $G_2$ -structures with symmetry*, Differential Geometry and its Application, Volume 30, Issue 4, August 2012, Pages 318-333.
5. Sebastian Stock, *Evolution of Geometries with torsion*, Inaugural-Dissertation zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen Fakultät der Universität zu Köln, available at: <http://www.igt.uni-stuttgart.de/LstGeo/Semmelmann/Diplomarbeiten/stock-diss.pdf>
6. Marisa Fernandez, Anna Fino, Victor Manero, *Laplacian flow of closed  $G_2$ -structures inducing nilsolitons*, J. Geom. Anal. 26 (2016), no. 3, 1808-1837.
7. Boris Doubrov, Dennis The, *Maximally degenerate Weyl tensors in Riemannian and Lorentzian signatures*, Differential Geometry and its Applications, volume 34, issue, year 2014, pp. 25-44.
8. Sergey Grigorian, *Modified Laplacian coflow of  $G_2$ -structures on manifolds with symmetry*, Differential Geometry and its Applications Volume 46, June 2016, Pages 39-78.
9. Sergey Grigorian,  *$G_2$ -structures and octonion bundles*, Advances in Mathematics, volume 308, year 2017, pp. 142 - 207.
10. Victor Manero, *Closed  $G_2$  forms and special metrics*, Ph.D Thesys, Universidad del Pais Vasco, Bilbao 2015.  
[https://addi.ehu.es/bitstream/10810/16773/1/TESIS\\_VICTOR\\_MANERO\\_GARCIA.pdf](https://addi.ehu.es/bitstream/10810/16773/1/TESIS_VICTOR_MANERO_GARCIA.pdf)
11. Victor Manero, *Einstein  $SU(3)$  and  $G_2$  structures*, arXiv:1607.07775.
12. 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.
13. Sergey Grigorian,  *$G_2$ -structures for  $N=1$  supersymmetric  $AdS_4$  solutions of  $M$ -theory*, Classical and Quantum Gravity, Volume 35, Number 8, 2018, 085012.
14. 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
15. 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.
16. 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
17. Jorge Lauret, Marina Nicolini, *Extremally Ricci pinched  $G_2$ -structures on Lie groups*, arXiv:1902.06375.
18. 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.
19. 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
20. Gavin Ball, *Closed  $G_2$ -structures with conformally flat metric*, arXiv:2002.01634.
21. 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.
22. 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.
23. 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>.
24. 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.
25. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a  $G_2$ -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.
26. Shubham Dwivedi, Panagiotis Gianniotis, Spiro Karigiannis, *Flows of  $G_2$ -structures, II: Curvature, torsion, symbols, and functionals*, arXiv:2311.05516.
27. **A. Payne, *Closed  $G_2$ -Structures with Negative Ricci Curvature*, March 2025, Bulletin of the London Mathematical Society DOI: 10.1112/blms.70029**
28. 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>.

44. "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. *IF* - 1.353

цитирания - 15.

1. Yang, QH, *Perturbation of Yamabe equation on Iwasawa  $N$  groups in presence of symmetry*, Acta mathematica Sinica-English Series, Volume: 26 Issue: 8 Pages: 1575 Published: AUG 2010.
2. Wang, Wei, *The tangential Cauchy-Fueter complex on the quaternionic Heisenberg group* J. Geom. Phys. **61** (2011), no. 1, 363-380.
3. Diego Conti, Marisa Ferna'ndez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Lie groups*, Forum Math. **26** (2014), no. 2, 547-576.
4. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) **16** (2016), no. 2, 625-674.
5. Wang, W., *On the tangential Cauchy-Fueter operators on nondegenerate quadratic hypersurfaces in equation image*, Math. Nachr., (2013). 286: 1353-1376. doi: 10.1002/mana.201000119.
6. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
7. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
8. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. **47** (2015), no. 1, 99-115.
9. Hiroyuki Kamada and Shin Nayatani, *Quaternionic CR geometry*, Hokkaido Math. J. Volume 42, Number 2 (2013), 159-329.
10. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. **101** (2013), 193-213.
11. Michael Christ, Heping Liu, An Zhang, *Sharp Hardy-Littlewood-Sobolev Inequalities on Quaternionic Heisenberg Groups*, Nonlinear Analysis: Theory, Methods & Applications, Volume 130, January 2016, Pages 361-395.
12. An Zhang, *Sharp Hardy-Littlewood-Sobolev inequalities on a class of  $H$ -type groups*, Seminaire Laurent-Schwartz — EDP et applications Institut des hautes etudes scientifiques, 2015-2016, Expose no XI, 1-8, DOI: 10.5802/slsedp.98
13. Liu Heping, Zhang An, *On sharp inequalities on nilpotent Lie groups*, SCIENTIA SINICA Mathematica, Volume 48 , Issue 10 : 1371-1386, (2018). <https://doi.org/10.1360/N012018-00149>.
14. Yun Shi, Wei Wang, *The Yamabe operator and invariants on octonionic contact manifolds and convex 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>
15. 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>.

45. "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. *IF* - 1.450

цитирания - 22.

1. Christopher S. Kunkel, *Quaternionic contact normal coordinates*, arXiv:0807.0465.
2. Erik van Erp, *Contact structures of arbitrary codimension and idempotents in the Heisenberg algebra*, arXiv:1001.5426.
3. Jesse Alt, *Weyl connections and the local sphere theorem for quaternionic contact structures*, Ann. Glob. Anal. Geom, **39** No. 2, 165-186 (2011). .
4. Diego Conti, Marisa Ferna'ndez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Lie groups*, Forum Math. **26** (2014), no. 2, 547-576.
5. Jesse Alt, *Essential Parabolic Structures and Their Infinitesimal Automorphisms*, SIGMA **7** (2011), 039, 16 pages.
6. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) **16** (2016), no. 2, 625-674.

7. Kunkel, Christopher S., *Quaternionic contact pseudohermitian normal coordinates*, Thesis (Ph.D.) - University of Washington. 2008. 72 pp. ISBN: 978-0549-81646-1, <https://mathscinet.ams.org/mathscinet/search/publdoc.html?pg1=MR&s1=2712235&loc=fromreflist>.
  8. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  9. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  10. Hiroyuki Kamada and Shin Nayatani, *Quaternionic CR geometry*, Hokkaido Math. J. Volume 42, Number 2 (2013), 159-329.
  11. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
  12. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. **47** (2015), no. 1, 99-115.
  13. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of  $Sp(n+1, 1)$* , Ann. Global Analysis Geom. (2016), pp 1-37, First online: 11 January 2016.
  14. A. Petkov, *An entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
  15. Ivan Minchev, Jan Slovak, *On the equivalence of quaternionic contact structures*, Ann. Global Ann. Geom., 53 (2018), no. 3, 331-375.
  16. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) Appl. Math. J. Chinese Univ. Ser. A 31 (2016), no. 1, 90-100.
  17. A. Petkov, *on some applications of the entropy formula for the heat equation on a quaternionic contact manifold*, Comp. R. Bulg. Sci 2019.
  18. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
  19. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, AUTOR'S SUMMARY OF A DISERTATION 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/>
  20. Yoshinobu Kamishima, *Quaternionic contact  $4n+3$ -manifolds and their  $4n$ -quotients*, March 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09758-5.
  21. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796.
  22. Oliver Baues, Yoshinobu Kamishima, *On the automorphism group of parabolic structures and closed aspherical manifolds*, arXiv:2309.13569.
- 46. "Conformal Paracontact curvature and the local flatness theorem (with D. Vassilev and S. Zamkovoy), Geom. Dedicata 144 (2010), 79-100. IF - 0.364**  
*цитирания - 56.*
1. Beniamino Cappelletti Montano, *Bi-Legendrian manifolds and paracontact geometry*, Int. J. Geom. Meth. Mod. Phys, 6, No. 3, 487-504 (2009).
  2. Joanna Welyczko, *Para-CR structures on almost paracontact metric manifolds*, J. Appl. Anal. 20 (2014), no. 2, 105-117.
  3. Beniamino Cappelletti Montano, Alfonso Carriazo, Veronica Martin-Molina, *Sasaki-Einstein and para Sasaki-Einstein metrics from  $(\kappa, \mu)$ -structures*, J. Geom. Phys. **73** (2013) , pp. 20-36.
  4. Selcen Yuksel Perkaës, Erol Käläë, *Biharmonic Curves in 3-dimensional Hyperbolic Heisenberg Group*, arXiv:1103.0684.
  5. E. Peyghan, A. Tayebi, E. Sharahi, *Almost Paracontact Finsler Structures on Vector Bundle*, Facta Universitatis, ser. Math and Inf. vol.33 (2018), 231-254. DOI Number <https://doi.org/10.22190/FUMI1802231P>
  6. Giovanni Calvaruso and Domenico Perrone, *Geometry of H-paracontact metric manifolds*, Publ. Math. Debrecen 86 (2015), no. 3-4, 325-346.

7. Giovanni Calvaruso and Veronica Martin-Molina, *Paracontact metric structures on the unit tangent sphere bundle*, Ann. Mat. Pura Appl. (4) 194 (2015), no. 5, 1359-1380.
8. Veronica Martin-Molina, *Paracontact metric manifolds without a contact metric counterpart*, Taiwanese J. Math. 19 (2015), no. 1, 175-191.
9. Adara M. Blaga,  *$\eta$ -Ricci solitons on para-Kenmotsu manifolds*, Balkan J. Geom. Appl. 20 (2015), no. 1, 1-13.
10. Cornelia Livia Bejan, Mircea Crasmareanu, *Second order parallel tensors and Ricci solitons in 3-dimensional normal paracontact geometry*, Ann. Glob. Anal. Geom., 46 (2014), no. 2, 117-127.
11. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
12. Adara M. Blaga, Mircea Crasmareanu, *Special connections in almost para-contact metric geometry*, Bull. Iranian Math. Soc. 41 (2015), no. 6, 1345-1353.
13. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
14. Giovanni Calvaruso, Antonella Perrone, *Ricci solitons in three-dimensional paracontact geometry*, J. Geom. Phys. 98 (2015), 1-12.
15. Veronica Martin-Molina, *Local classification and examples of an important class of paracontact metric manifolds*, Filomat 29 (2015), no. 3, 507-515.
16. Mircea Crasmareanu, Piscoran Laurian Ioan, *Invariant Distributions and Holomorphic Vector Fields in Paracontact Geometry*, Turk. J. Math. 39 (2015), no. 4, 467-476.
17. Adara M. Blaga, *Canonical connections on para-Kenmotsu manifolds*, Novi Sad J. math. 45 (2015), no. 2, 131-142.
18. Veronica Martin-Molina, *On a remarkable class of paracontact metric manifolds*, Int. J. Geom. Methods Mod. Phys. 12 (2015), no. 8, 1560024, 6 pp.
19. A. Bravetti and C S Lopez-Monsalvo, *Para-Sasakian geometry in thermodynamic fluctuation theory*, J. Phys. A: Math. Theor. 48 (2015) 125206 (21pp).
20. D.G. Prakasha, Kakasab K. Mirji, *On  $(\kappa, \mu)$ -Paracontact Metric Manifolds*, Gen. Math. Notes, Vol. 25, No. 2, December 2014, pp.68-77 ISSN 2219-7184; Copyright c ICSRS Publication, 2014 www.i-csrs.org Available free online at <http://www.geman.in>
21. Giovanni Calvaruso, Marian Ioan Munteanu, Antonella Perrone, *Killing magnetic curves in three-dimensional almost paracontact manifolds*, J. Math. Anal. Appl. 426 (2015) 423-439.
22. C. Calin, M. Crasmareanu, *Magnetic Curves in Three-Dimensional Quasi-Para-Sasakian Geometry*, Mediterranean Journal of Mathematics, 13 (2016), no. 4, 2087-2097.
23. A.M. Blaga, *Invariant and holomorphic distributions on para-Kenmotsu manifolds*, Ann. Univ. Ferrara Sez. VII Sci. Mat. 61 (2015), no. 2, 263-276.
24. A. Bravetti, C. S. Lopez-Monsalvo, F. Nettel, *Contact Symmetries and Hamiltonian Thermodynamics*, Annals of Physics 361, 377-400 (2015).
25. A. Bravetti, C.S. Lopez-Monsalvo, F. Nettel, *Conformal Gauge Transformations in Thermodynamics*, Entropy 2015, 17, 6150-6168.
26. D. G. Prakasha and K. K. Mirji, *On  $\phi$ -Symmetric  $N(k)$ -Paracontact Metric Manifolds*, Journal of Mathematics Volume 2015 (2015), Article ID 728298, 6 pages <http://dx.doi.org/10.1155/2015/728298>.
27. Adara Blaga, *Generalized dual connections on para-Kenmotsu manifolds*, BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE ISSN (p) 2303-4874, ISSN (o) 2303-4955 [www.imvibl.org/JOURNALS/BULLETIN](http://www.imvibl.org/JOURNALS/BULLETIN) Vol. 7(2017), 165-171.
28. Cristian Ida, *Vanishing of Pontryagin Classes of Para-Sasakian Space Forms*, Taiwanese Journal of Mathematics, (2016), Vol. 20, No. 3, pp. 569-576.
29. Bejan, CL., Eken Meric, S., Kilic, E., *Legendre Curves on Generalized Paracontact Metric Manifolds*, Bull. Malays. Math. Sci. Soc. (2017). doi:10.1007/s40840-017-0475-y
30. Crasmareanu, M., Frigioiu, C., *Space-Like Slant Curves in Three-Dimensional Normal Almost Paracontact Geometry*, Iran J. Sci. Technol. Trans. Sci. (2017). doi:10.1007/s40995-017-0232-y

31. Giovanni Calvaruso, Antonella Perrone, *Classification of 3-dimensional left-invariant almost paracontact metric structures*, Adv. Geom. 17 (2017), no. 3, 265-282.
32. Adara Blaga, Mircea Crasmareanu, *Statistical structures in almost paracontact geometry*, Bull. Iranian Math. Soc. 44 (2018), no. 6, 1407-1413.
33. Adara Blaga, *Invariant, anti-invariant and slant submanifolds of a para-Kenmotsu manifold*, BSG Proceedings, Vol. 24, 2017, pp. 19-28. Balkan Society of Geometers, Geometry Balkan Press 2017.
34. D.G. Prakasha, L. M. Fernandez, K. Mirji, *The M-projective curvature tensor field on generalized  $\kappa, \mu$ -paracontact metric manifolds*, Georgian Mathematical Journal, 27 (2020), no. 1, 141-147.
35. D. G. Prakasha, Pundikala Veerasha, *Para-Sasakian manifolds and \*-Ricci solitons*, Afr. Mat. 30 (2019), no. 7-8, 989-998.
36. Abhishek Singh and Shyam Kishor, *Certain results on para-Kenmotsu manifolds equipped with M-projective curvature tensor*, Tbilisi Math. J. Volume 11, Issue 3 (2018), 125-132.
37. E. Peyghan, A., E. Sharahi, *Vector bundles and paracontact Finsler structures*, Facta Universitatis, ser. Math and Inf. vol.33 (2018), 231-254. DOI Number <https://doi.org/10.22190/FUMI1802231P>
38. Mircea Crasmareanu, *General adapted linear connections in almost paracontact and contact geometries*, Balkan J. Geom. Appl. 25 (2020), no. 2, 12-29.
39. L. Uwimbabazi, *On Ricci Solitons as Quasi-einstein Metrics*, Ph.D Thesis, University of Nairobi, Kenia, 2016. <http://41.204.161.209/handle/11295/106683>
40. 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
41. Dhriti Sundar Patra, *Ricci Solitons and Paracontact Geometry*, Mediterr. J. Math. (2019) 16: 137. <https://doi.org/10.1007/s00009-019-1419-6>.
42. 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.
43. 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.
44. 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.
45. Dehe Li, Jiabin Yin, *Paracontact Metric  $(\kappa, \mu)$ -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>
46. 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.
47. 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.
48. D. G. Prakasha, M. R. Amruthalakshmi and P. Veerasha, *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>.
49. 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>.
50. H. Manev, **Natural connections on Riemannian P-manifolds** (in bulgarian), Plovdiv 2022
51. 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.
52. Pakize UYGUN,  *$(\kappa, \mu)$ -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>
53. Santu Dey, *Certain results of  $\kappa$ -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>.

54. 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>.
55. 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>.
56. Santu Dey and Akram Ali, *Certain paracontact metrics satisfying gradient  $\rho$ -Ricci-Bourguignon almost solitons*, International Journal of Geometric Methods in Modern Physics, 2024, <https://doi.org/10.1142/S0219887824502888>.
47. "Non-Kaehler Heterotic String Compactifications with non-zero fluxes and constant dilaton (with Marisa Fernandez, Luis Ugarte and Raquel Villacampa), *Comm. Math. Phys.* **288** (2009), **677-697**. *IF - 2.067*  
*цитированная - 83.*
1. Hiroshi Kunitomo, Mitsuhsa Ohta, *Supersymmetric  $AdS_3$  solutions in Heterotic Supergravity*, Prog. Theor. Phys. **122**:631-657, 2009, arXiv:0902.0655[hep-th].
  2. Katrin Becker, Savdeep Sethi, *Torsional Heterotic Geometries*, Nucl. Phys. B **820** (2009), pp 1. arXiv:0903.3769.
  3. Gueo Grantcharov, *Geometry of compact complex homogeneous spaces with vanishing first Chern class*, Adv. Math. **226** (2011), 3136-3159.
  4. Alexander D. Popov, *Hermitian-Yang-Mills equations and pseudo-holomorphic bundles on nearly Kaehler and nearly Calabi-Yau twistor 6-manifolds*, Nucl. Phys. B **828** (2010) pp. 594 - 624, arXiv:0907.0106.
  5. J. Gutowski, G. Papadopoulos, *Heterotic Black Horizons*, Journal of High Energy Physics 2010 (7); arXiv:0912.3472.
  6. Valentino Tosatti, Ben Weinkove, *Estimates for the complex Monge-Ampere equation on Hermitian and balanced manifolds*, Asian J. Math. **14** (2010), no. 1, 19-40.
  7. Olaf Lechtenfeld, Christoph Nöelle, Alexander D. Popov, *Heterotic compactifications on nearly Kähler manifolds*, JHEP1009:074, 2010; arXiv:1007.0236.
  8. Irina Bauer, Tatiana A. Ivanova, Olaf Lechtenfeld, Felix Lubbe, *Yang-Mills instantons and dyons on homogeneous  $G_2$ -manifolds*, Journal of High Energy Physics Volume 2010, Number 10 (2010), 44, DOI: 10.1007/JHEP10(2010)044; arXiv:1006.2388.
  9. Bjorn Andreas, Mario Garcia-Fernandez, *Solutions of the Strominger System via Stable Bundles on Calabi-Yau Threefolds*, Communications in Mathematical Physics, Volume 315, Issue 1, (2012), pp.153-168.
  10. Bjorn Andreas, Mario Garcia-Fernandez, *Heterotic Non-Kähler Geometries via Polystable Bundles on Calabi-Yau Three folds*, Journal of Geometry and Physics Volume 62, Issue 2, February 2012, Pages 183-188.
  11. Alexander D. Popov, Richard J. Szabo, *Double quiver gauge theory and nearly Kähler flux compactifications*, J. High Energy Phys. 2012, no. 2, 033, front matter+49 pp.
  12. Christoph Nolle, *Homogeneous heterotic supergravity solutions with linear dilaton*, J. Phys. A: Math. Theor. **45** (2012) 045402.
  13. Bjorn Andreas, Mario Garcia-Fernandez, *Solutions of the Strominger System via Stable Bundles on Calabi-Yau Threefolds*, VBAC 2011, Cambridge.
  14. O. P. Santillan, *Killing-Yano tensors and some applications*, Journal of mathematical physics, **53** (2012) 043509, arXiv:1108.0149.
  15. Indranil Biswas, *Principal bundles on compact complex manifolds with trivial tangent bundle*, Archiv der Mathematik Volume 96, Number 5 (2011), 409-416.
  16. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  17. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  18. Indranil Biswas, *Invariant and homogeneous bundles on  $G/\Gamma$* , Adv. Math. Volume 232, Issue 1, 15 January 2013, Pages 327-334.

19. Mario Garcia-Fernandez, *Generalized geometry and heterotic supergravity*, preprint Aarhus University 2012, available at:  
<http://pure.au.dk/portal/files/52568111/HeteroticGeometry.pdf>
20. V. Balastenko, P. Dubovik, *Левинвариантные  $f$ -структуры на 5-мерной группе Гейзенберга  $H(2, 1)$* , Вестник БГУ Сер.1.2013. no.3, pp. 112-117 available at:  
<http://elib.bsu.by/bitstream/123456789/102094/1/112-117.pdf>
21. Michael Klaput, Andre Lukas, Cyril Matti, Eirik E. Svanes, *Moduli Stabilising in Heterotic Nearly Kähler Compactifications*, Journal of High Energy Physics 2013 (1) , art. no. 015.
22. Mario Garcia-Fernandez, *Torsion-free generalized connections and Heterotic Supergravity*, Comm. Math. Phys., 332(1):89-115, 2014.
23. Lara B. Anderson, James Gray, Eric Sharpe, *Algebroids, Heterotic Moduli Spaces and the Strominger System*, JHEP 1407 (2014) 037 .
24. Severin Bunk, Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, *Instantons on conical half-flat 6-manifolds*, Journal of High Energy Physics January 2015, 2015:30,
25. Bjorn Andreas, Mario Garcia-Fernandez, *Note on Solutions of the Strominger System from Unitary Representations of Cocompact Lattices of  $SL(2, \mathbb{C})$* , Communications in Mathematical Physics, March 2014, DOI 10.1007/s00220-014-1920-5.
26. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
27. Teng Fei, *A Construction of Non-Kähler Calabi-Yau Manifolds and New Solutions to the Strominger System*, Advances in Mathematics, **302**, 2016, pp. 529 - 550.
28. S.W. Beck, J.B. Gutowski, G. Papadopoulos, *Geometry and supersymmetry of heterotic warped flux AdS backgrounds*, J. High Energy Phys. 2015, no. 7, 152, front matter+34 pp.
29. Fu, Ji-Xiang; Tseng, Li-Sheng; Yau, Shing-Tung, *Local heterotic torsional models*, Comm. Math. Phys. **289** (2009), no. 3, 1151–1169.
30. J. Fu, *On non-Kähler Calabi-Yau threefolds with balanced metrics*, Proceedings of the International Congress of Mathematics 2010, ICM 2010, Vol. II (Invited Lectures), Hyderabad, India 2010, Ed. Hindustan Book Agency, pp. 705-716.
31. Tseng, Li-Sheng; Yau, Shing-Tung, *Non-Kähler Calabi-Yau manifolds*, Proc. Symposia in Pure Math, **85** (2012), 241-254.
32. Teng Fei, Shing-Tung Yau, *Invariant Solutions to the Strominger System on Complex Lie Groups and Their Quotients*, Comm. Math. Phys. **338** (2015), 1183-1195.
33. Teng Fei, *Some Torsional Local Models of Heterotic Strings*, Communications in Analysis and Geometry 25(5), 941-968 (2017).
34. Victor Manero, *Closed  $G_2$  forms and special metrics*, Ph.D Thesys, Universidad del Pais Vasco, Bilbao 2015.  
[https://addi.ehu.es/bitstream/10810/16773/1/TESIS\\_VICTOR\\_MANERO\\_GARCIA.pdf](https://addi.ehu.es/bitstream/10810/16773/1/TESIS_VICTOR_MANERO_GARCIA.pdf)
35. Adela Latorre, *Geometry of nilmanifolds with invariant complex structures*, Ph. D Thesis, Universidad Zaragoza, 2016.
36. Teng Fei, *On the Geometry of the Strominger System* Ph.D Thesis MIT-2016, MR3593383 Submitted to the Department of Mathematics of MIT on April 29, 2016, in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Mathematics.  
<http://hdl.handle.net/1721.1/104598>  
<http://math.mit.edu/~tfei/Thesis.pdf>
37. Mario Garcia-Fernandez, *Lectures on the Strominger system*, Travaux Mathématiques, Special Issue: School GEOQUANT at the ICMAT, Vol. XXIV, 7-61 2016.
38. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *The anomaly flow and the Fu-Yau equation*, Ann. PDE 4 (2018), no. 2, Paper No. 13, 60 pp.
39. 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>.

40. Slawomir Dinew, *Pluripotential theory on compact Hermitian manifolds*, Annales de la faculte des sciences de Toulouse Ser. 6, 25 no. 1 (2016), p. 91-139, doi: 10.5802/afst.1488
41. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *Geometric flows and Strominger systems*, Math. Z. 288 (2018), no. 1-2, 101-113.
42. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *The Fu-Yau equation with negative slope parameter*, Inventiones mathematicae, **209** 2 (2017), 541-576, DOI:10.1007/s00222-016-0715-z
43. D. Angella, *SageMath experiments in Differential and Complex Geometry*, Proceedings of the talk by the author at the workshop "Geometry and Computer Science" held in Pescara in February 2017.
44. 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.
45. Samuel Beck, *Global and Local Aspects of Supersymmetric Anti-de Sitter Spaces*, A thesis presented for the degree of Doctor of Philosophy, Department of Mathematics Kings College London United Kingdom October 19, 2016.  
[https://kclpure.kcl.ac.uk/portal/files/73269081/2017\\_Beck\\_Samuel\\_thesis.pdf](https://kclpure.kcl.ac.uk/portal/files/73269081/2017_Beck_Samuel_thesis.pdf)
46. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *Anomaly flows*, Comm. Anal. Geom. 26 (2018), no. 4, 955-1008.
47. 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>
48. Duong Phong, Sebastien Picard, Xiangwen Zhang, *Supersymmetric String Vacua with Torsion and Geometric Flows*, Proceedings of Science (PoS) CORFU2016 (2017) 096.
49. 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
50. 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
51. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *New curvature flows in complex geometry*, Surveys in Differential Geometry 2017. Celebrating the 50th anniversary of the Journal of Differential Geometry, 331-364, Surv. Differ. Geom., 22, Int. Press, Somerville, MA, 2018.
52. 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].
53. Sebastien Picard, *The Hull-Strominger System in Complex Geometry*, Ph.D. Thesis in the Graduate School of Arts and Sciences, COLUMBIA UNIVERSITY 2018. file:///D:/Thesys/Picard\_columbia\_0054D\_14538.-StromingerSystempdf.pdf
54. 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.
55. Huang, Zhijie, *The coupled Ricci flow and the anomaly flow over Riemann surface*, PhD Thesis, Columbia University, 2018,  
<https://academiccommons.columbia.edu/doi/10.7916/D8WH4642>  
<https://doi.org/10.7916/D8WH4642>
56. Slawomir Dinew, *Lctures 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>
57. 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.
58. Duong H. Phong, *Geometric Partial Differential Equations from Unified String Theories*, International Press, Boston, MA, 2020, 67-87.
59. 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
60. 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](http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf).



61. Jun Wang, Xiaokui Yang, *Curvatures of real connections on Hermitian manifolds*, arXiv:1912.12024.
62. 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](https://www.staff.science.uu.nl/caval101/homepage/Students_files/SisakMaster.pdf)
63. 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.
64. 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.
65. 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.
66. 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.
67. **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>.
68. **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
69. **Tristan C. Collins, Sebastien Picard, Shing-Tung Yau**, *The Strominger system in the square of a Kähler class*, January 2025, Pure and Applied Mathematics Quarterly 21(3):1015-1035 DOI: 10.4310/PAMQ.250115044354,
70. 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.
71. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
72. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
73. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, March 2025, Journal für die reine und angewandte Mathematik (Crelle), DOI: 10.1515/crelle-2025-0008
74. **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.
75. Luis Alvarez-Consul, Andoni De Arriba de La Hera, Mario Garcia-Fernandez, *Vertex algebras from the Hull-Strominger system*, arXiv:2305.06836.
76. 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.
77. Andoni De Arriba De La Hera, *Supersymmetric Vertex Algebras and Killing Spinors*, Tesis Doctoral, Universidad Complutense de Madrid Facultad de Ciencias Matematicas, 2022.
78. Sebastien Picard, Pei-Lin Wu, *Balanced and Aeppli Parameters for the Heterotic Moduli*, INTERNATIONAL JOURNAL OF MATHEMATICS, (2024), DOI:10.1142/S0129167X24420023.
79. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
80. Peilin Wu, *Towards the Construction of the Heterotic Moduli*, A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS 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](file:///C:/Users/user/Downloads/ubc_2024_may_wu_peilin.pdf)
81. Anna Fino, *Canonical metrics in complex geometry*, Bollettino dell'Unione Matematica Italiana (2024) DOI: 10.1007/s40574-024-00421-y.
82. Javier Jose Murgas Ibarra, Eirik Eik Svanes, *Recent Developments in Heterotic Moduli*, arXiv:2409.16524.
83. Anna Fino, Gueo Grantcharov, Jose Medel, *Fibrations Over Singular K3 Surfaces and New Solutions to the Hull-Strominger System*, arXiv:2501.03384.

48. "Compact supersymmetric solutions of the heterotic equations of motion in dimensions 7 and 8 (with Marisa Ferná'ndez, Luis Ugarte and Raquel Villacampa), *Advances in Theoretical and Mathematical Physics*, vol. 15 (2011), 245-284. *IF* - 0.855

цитирањия - 28.

1. Hiroshi Kunitomo, Mitsuhsa Ohta , *Supersymmetric AdS<sub>3</sub> solutions in Heterotic Supergravity*, Prog. Theor. Phys. 122:631-657,2009, arXiv:0902.0655[hep-th].
2. Alexander D. Popov, *Hermitian-Yang-Mills equations and pseudo-holomorphic bundles on nearlyKähler and nearly Calabi-Yau twistor 6-manifolds*, Nucl. Phys. B **828** (2010) pp. 594 - 624,arXiv:0907.0106.
3. O. P. Santillan, *Killing-Yano tensors and some applications*, Journal of Mathematical Physics, 53 (2012) 043509, arXiv:1108.0149.
4. Marco Freibert, *Cocibrated G<sub>2</sub>-structures on products of four- and three-dimensional Lie groups*, Diff. Geom. Appl. **31** (3) 2013, pp. 349-373.
5. Marco Freibert, *Geometric structures on Lie algebras and the Hitchin flow*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, Hamburg 2013.
6. J. A. Santisteban, *Estructuras cuaternionicas contacto y métricas especiales*, Thesis of Dissertation, Universidad del País Vasco, November, 2013.
7. Kazuki Hinoue, Yukinori Yasui, *Heterotic Solutions with G<sub>2</sub> and Spin(7) Structures*, JP Journal of Geometry and Topology 17.1 (Feb 2015): 17-48.
8. Victor Manero, *Closed G<sub>2</sub> forms and special metrics*, Ph.D Thesys, Universidad del País Vasco, Bilbao 2015.  
[https://addi.ehu.es/bitstream/10810/16773/1/TESIS\\_VICTOR\\_MANERO\\_GARCIA.pdf](https://addi.ehu.es/bitstream/10810/16773/1/TESIS_VICTOR_MANERO_GARCIA.pdf)
9. Teng Fei, *On the Geometry of the Strominger System* Ph.D Thesis MIT-2016, MR3593383.  
Submitted to the Department of Mathematics of MIT on April 29, 2016, in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Mathematics.  
<http://hdl.handle.net/1721.1/104598>  
<http://math.mit.edu/~tfei/Thesis.pdf>
10. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *Moduli of G<sub>2</sub> structures and the Strominger system in dimension 7*, arXiv:1607.01219.
11. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of Spin (7)-instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.
12. Sergey Grigorian, *G<sub>2</sub>-structures for N=1 supersymmetric AdS<sub>4</sub> solutions of M-theory*, Classical and Quantum Gravity, Volume 35, Number 8, 2018, 085012.
13. Sebastien Picard, *The Hull-Strominger System in Complex Geometry*, Ph.D. Thesis in the Graduate School of Arts and Sciences, COLUMBIA UNIVERSITY 2018.  
file:///D:/Thesys/Picard\_columbia\_0054D\_14538.-StromingerSystempdf.pdf
14. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *T-Dual solutions and infinitesimal moduli of the G<sub>2</sub>-Strominger system*, Adv. Theor. Math. Phys. 26 (2022), no. 6, 1669-1704.
15. Viviana del Barco, Andrei Moroianu, Alberto Raffero, *Purely coclosed G<sub>2</sub>-structures on 2-step nilpotent Lie groups*, Rev Mat Complut (2021). <https://doi.org/10.1007/s13163-021-00392-0>
16. Jason D. Lotay, Henrique N. Sa Earp, *The heterotic G<sub>2</sub> system on contact Calabi-Yau 7-manifolds*, Trans. Amer. Math. Soc. Ser. B **10** (2023), 907-943.
17. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, *Almost contact structures on manifolds with a G<sub>2</sub> structure*, Adv. Theor. Math. Phys. **26** (2022), no. 1, 143-215.
18. Achilleas PassiasDaniel Prins, *On supersymmetric AdS<sub>3</sub> solutions of Type II*, August 2021, Journal of High Energy Physics 2021(8) DOI: 10.1007/JHEP08(2021)168.
19. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic G<sub>2</sub> system*, arXiv:2111.13221.
20. 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).

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. Andrew Clarke, Viviana del Barco, Andres J. Moreno, *G2-instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
  23. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
  24. Mateo Galdeano, Leander Stecker, *The heterotic G2 system with reducible characteristic holonomy*, arXiv:2403.00084.
  25. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled G2-instantons*, arXiv:2404.12937.
  26. Andres J. Moreno, Luis E. Portilla, *Homogeneous G2 and Sasakian instantons on the Stiefel 7-manifold*, arXiv:2406.06753.
  27. Xenia de la Ossa, Magdalena Larfors, Matthew Magill, Eirik E. Svanes, *Quantum aspects of heterotic G2 systems*, December 2024, DOI: 10.48550/arXiv.2412.14715.
  28. Anna Fino, Udhav Fowdar, *Some remarks on strong G2-structures with torsion*, arXiv:2502.06066.
49. "Quaternionic contact manifolds with a closed fundamental 4-form (with Dimiter Vassilev), *Bull. London Math. Soc.* 42 (2010), 1021-1030. *IF* - 0.630  
цитирания - 10.
1. Diego Conti, Marisa Fernandez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Lie groups*, *Forum Math.* 26 (2014), no. 2, 547-576.
  2. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, *Ann. Sc. Norm. Super. Pisa Cl. Sci.* (5) 16 (2016), no. 2, 625-674.
  3. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  4. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  5. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, *Annuaire Univ. Sofia Fac. Math. Inform.* 101 (2013), 193-213.
  6. I. Agricola, A. Ferreira, R. Storm, *Quaternionic Heisenberg groups as naturally reductive homogeneous spaces*, *Int. J. Geom. Methods Modern Phys (IJGMMP)*, 12 (2015), no. 8, 1560007, 10 pp.
  7. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of Sp(n + 1, 1)*, *Ann. Global Analysis Geom.* (2016), pp 1-37, First online: 11 January 2016.
  8. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) *Appl. Math. J. Chinese Univ. Ser. A* 31 (2016), no. 1, 90-100.
  9. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
  10. Yoshinobu Kamishima, *Quaternionic contact 4n+3-manifolds and their 4n-quotients*, March 2021, *Annals of Global Analysis and Geometry*, DOI: 10.1007/s10455-021-09758-5.
50. "Compact supersymmetric solutions of the heterotic equations of motion in dimension 5 (with Marisa Fernandez, Luis Ugarteand Raquel Villacampa), *Nuclear Physics B* 820 (2009),483-502. *IF* - 4.341  
цитирания - 7.
1. Hiroshi Kunitomo, Mitsuhsa Ohta , *Supersymmetric AdS3 solutions in Heterotic Supergravity*, *Prog. Theor. Phys.* 122:631-657,2009.
  2. Sonke Rollenske, *Dolbeault cohomology of nilmanifolds with left-invariant complex structure*, *Complex and differential geometry*, 369-392, Springer Proc. Math., 8, Springer, Heidelberg, 2011.
  3. O. P. Santillan, *Killing-Yano tensors and some applications*, *Journal of Mathematical Physics*, 53 (2012) 043509,

4. Tsuyoshi Houri, Hiroshi Takeuchi, Yukinori Yasui, *A Deformation of Sasakian Structure in the Presence of Torsion and Supergravity Solutions*, Class. Quant. Grav. 30:135008,2013,
  5. Diego Conti, Thomas Bruun Madsen, *The odd side of torsion geometry*, Annali di Matematica Pura ed Applicata (1923 -) August 2014, Volume 193, Issue 4, pp 1041-1067.
  6. Daniele Farotti, *Heterotic de-Sitter Solutions* DOI: 10.48550/arXiv.2206.05190.
  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.
51. "Heterotic supersymmetry, anomaly cancellation and equations of motion Phys. Lett. B, 685 (2010), 190-196. IF - 5.255  
цитирования - 91.
1. Luis Ugarte, Raquel Villacampa, *Non-nilpotent complex geometry of nilmanifolds and heterotic supersymmetry*, Asian J. Math. Volume 18, Number 2 (2014), 229-246.
  2. Olaf Lechtenfeld, Christoph Nölle, Alexander D. Popov, *Heterotic compactifications on nearly Kähler manifolds*, JHEP1009:074,2010;
  3. Bjorn Andreas, Mario Garcia-Fernandez, *Solutions of the Strominger System via Stable Bundles on Calabi-Yau Threefolds*, Communications in Mathematical Physics, Volume 315, Issue 1, (2012) pp.153-168.
  4. Alexander D. Popov, Richard J. Szabo, *Double quiver gauge theory and nearly Kahler flux compactifications*, J. High Energy Phys. 2012, no. 2, 033, front matter+49 pp.
  5. Christoph Nolle, *Homogeneous heterotic supergravity solutions with linear dilaton*, J. Phys. A: Math. Theor. 45 (2012) 045402.
  6. Dario Martelli, James Sparks, *Non-Kähler heterotic rotations*, Adv. Theor. Math. Phys. 15 (2011) 131-174,
  7. David Andriot, *Heterotic string from a higher dimensional perspective*, Nuclear Physics B Volume 855, Issue 2,11 February 2012, Pages 222-267.
  8. Luis Ugarte, Raquel Villacampa, *Balanced Hermitian geometry on 6-dimensional nilmanifolds*, Forum Math. 27 (2015), no. 2, 1025-1070.
  9. Derek Harland, Christoph Nölle, *Instantons and Killing spinors*, Journal of High Energy Physics 2012 (3) , art. no. 082.
  10. Bjorn Andreas, Mario Garcia-Fernandez, *Solutions of the Strominger System via Stable Bundles on Calabi-Yau Threefolds*, VBAC 2011, Cambridge.
  11. Karl-Philip Gemmer, Alexander S. Haupt, Olaf Lechtenfeld, Christoph Nölle, Alexander D. Popov, *Heterotic string plus five-brane systems with asymptotic AdS3*, Adv. Theor. Math. Phys. 17 (2013), no. 4, 771-827.
  12. Athanasios Chatzistavrakidis, Olaf Lechtenfeld, Alexander D. Popov, *Nearly Kähler heterotic compactifications with fermion condensates*, J. High Energy Phys. 2012, no. 4, 114, front matter+21 pp.
  13. Cyril Matti, *Generalized Compactification in Heterotic String Theory*, arXiv:1204.3247 (D.Phil. thesis, Lincoln College, University of Oxford).
  14. Mario Garcia-Fernandez, *Generalized geometry and heterotic supergravity*, preprint Aarhus University 2012, available at:  
<http://pure.au.dk/portal/files/52568111/HeteroticGeometry.pdf>
  15. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  16. C. Nolle, *Instantons, five-branes and fractional strings*, arXiv:1207.7268.
  17. Michael Klaput, Andre Lukas, Cyril Matti, Eirik E. Svanes, *Moduli Stabilising in Heterotic Nearly Kähler Compactifications*, Journal of High Energy Physics 2013 (1) , art. no. 015.
  18. Indranil Biswas, Avijit Mukherjee, *Solutions of Strominger system from unitary representations of cocompact lattices of  $SL(2, C)$* , Comm. Math. Phys. (2013), arXiv:1301.0375.
  19. Mario Garcia-Fernandez, *Torsion-free generalized connections and Heterotic Supergravity*, Comm. Math. Phys., 332(1):89-115, 2014.

20. Bjorn Andreas, Mario Garcia-Fernandez, *Note on Solutions of the Strominger System from Unitary Representations of Cocompact Lattices of  $SL(2, \mathbb{C})$* , Communications in Mathematical Physics, March 2014, DOI 10.1007/s00220-014-1920-5.
21. Ilarion V. Melnikov, Ruben Minasian, Savdeep Sethi, *Heterotic fluxes and supersymmetry*, J. High Energy Phys. 2014, no. 6, 174, front matter+20 pp.
22. Xenia de la Ossa, Eirik E. Svanes, *Holomorphic Bundles and the Moduli Space of  $N=1$  Heterotic Compactifications*, J. High Energy Phys. 2014, no. 10, 123, front matter+54 pp.
23. Travis Maxfield, Savdeep Sethi, *Domain Walls, Triples and Acceleration*, J. High Energy Phys. 2014, no. 8, 066, front matter+50 pp.
24. Xenia de la Ossa, Eirik Eik Svanes, *Connections, Field Redefinitions and Heterotic Supergravity*, JHEP 1412 (2014) 008.
25. A.S. Haupt, O. Lechtenfeld, E.T. Musaev, *Order  $\alpha'$  heterotic domain walls with warped nearly Kähler geometry*, Journal of High Energy Physics, (JHEP) Volume 2014, article id. #152, 28 pp.
26. Severin Bunk, *Heterotic Flux Compactifications with Sasakian Manifolds*, Master Thesis in Institut für Theoretische Physik Gottfried Wilhelm Leibniz Universität Hannover, 2014. available at <https://www.itp.uni-hannover.de/lechtenf/Theses/bunk.pdf>
27. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *Exploring  $SU(3)$  Structure Moduli Spaces with Integrable  $G_2$  Structures*, Adv. Theor. Math. Physics, Volume 19 (2015) Number 4, 837-903.
28. Kazuki Hinoue, Yukinori Yasui, *Heterotic Solutions with  $G_2$  and  $Spin(7)$  Structures*, JP Journal of Geometry and Topology 17.1 (Feb 2015): 17-48.
29. Eirik Eik Svanes, *Moduli in General  $SU(3)$ -Structure Heterotic Compactifications*, arXiv:1411.6696; A thesis submitted for the degree of Doctor of Philosophy, Trinity 2014, University of Oxford.
30. Severin Bunk, *A method of deforming  $G$ -structures*, Journal of Geometry and Physics Volume 96, October 2015, Pages 72-80.
31. Dan Israel, *Two-dimensional views into four-dimensional physics*. High Energy Physics - Theory. Université Pierre et Marie Curie, Habilitation Thesis, 2014. HAL Id: tel-01095636 <https://tel.archives-ouvertes.fr/tel-01095636>
32. Severin Bunk, Olaf Lechtenfeld, Alexander D. Popov, Marcus Sperling, *Instantons on conical half-flat 6-manifolds*, Journal of High Energy Physics January 2015, 2015:30, arXiv:1409.0030.
33. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
34. Xenia de la Ossa, Edward Hardy, Eirik Eik Svanes, *The Heterotic Superpotential and Moduli*, J. High Energy Phys. 2016, no. 1, 049, front matter+32 pp.
35. N. Halmagyi, D. Israel, E.E. Svanes, *The Abelian Heterotic Conifold*, J. High Energy Phys. 2016, no. 7, 029, front matter+42 pp.
36. Sergiu I. Vacaru, Klee Irwin *Off-Diagonal Deformations of Kerr Metrics and Black Ellipsoids in Heterotic Supergravity*, Eur. Phys. J. C (2017) 77: 17. doi:10.1140/epjc/s10052-016-4583-x.
37. A. Otal, L. Ugarte, R. Villacampa, *Invariant solutions to the Strominger system and the heterotic equations of motion*, Nuclear Physics B, Volume 920, July 2017, Pages 442-474.
38. P Candelas, X de la Ossa, J McOrist, *A Metric for Heterotic Moduli*, Communications in Mathematical Physics December 2017, Volume 356, Issue 2, pp 567- 612. <https://doi.org/10.1007/s00220-017-2978-7>
39. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *Moduli of  $G_2$  structures and the Strominger system in dimension 7*, arXiv:1607.01219.
40. Laurentiu Bubuianu, Klee Irwin, Sergiu I Vacaru, *Heterotic supergravity with internal almost-Kähler spaces; instantons for  $SO(3,2)$ , or  $E_8 \times E_8$ , gauge groups; and deformed black holes with soliton, quasiperiodic and/or pattern-forming structures* Classical and Quantum Gravity, 34 (2017), no. 7, 075012, 42 pp.
41. Mario Garcia-Fernandez, *Lectures on the Strominger system*, Travaux Mathématiques, Special Issue: School GEOQUANT at the ICMAT, Vol. XXIV, 7-61 2016.
42. Vicente Munoz, Carlos S. Shahbazi, *Transversality of the moduli space of  $Spin(7)$ -instantons*, Rev. Math. Phys. 32 (2020), no. 5, 2050013, 47 pp.

43. 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>.
44. Xenia de la Ossa, Magdalena Larfors, Eirik E. Svanes, *The infinitesimal moduli space of heterotic G2 systems*, Comm. Math. Phys. 360 (2018), no. 2, 727-775.
45. Matthieu Sarkis, *Compactifications heterotiques avec flux*, THESE DE DOCTORAT, UNIVERSITE PIERRE ET MARIE CURIE-Paris VI Specialite : Physique Theorique Ecole doctorale : "Physique en Ile-de-France" realisee au Laboratoire de Physique Theorique et Hautes Energies, June 2017. <https://tel.archives-ouvertes.fr/tel-01666040/document>
46. Anthony Ashmore, Xenia de la Ossa, Ruben Minasian, Charles Strickland-Constable, Eirik Eik Svanes, *Finite deformations from a heterotic superpotential: holomorphic Chern-Simons and an  $L_\infty$  algebra*, J. High Energy Phys. 2018, no. 10, 179, front matter+58 pp.
47. Xenia de la Ossa, Marc-Antoine Fiset, *G-structure symmetries and anomalies in (1,0) non-linear  $\sigma$ -models*, Journal of High Energy Physics 2019(1) DOI: 10.1007/JHEP01(2019)062
48. 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.
49. 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.
50. Marc-Antoine Fiset, *G-structures and Superstrings from the Worldsheet*, Ph.D Thesis, Trinity College University of Oxford (2019), arXiv:1909.07936.
51. 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](http://epubs.surrey.ac.uk/852878/1/PhDThesis_RSisca.pdf).
52. 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)
53. 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](https://www.staff.science.uu.nl/caval101/homepage/Students_files/SisakMaster.pdf)
54. Mattia Pujia, Luis Ugarte, *The Anomaly flow on nilmanifolds*, June 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09781-6.
55. 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.
56. 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>
57. 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)
58. 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>.
59. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *New curvature flows in complex geometry*, Surveys in Differential Geometry 2017. Celebrating the 50th anniversary of the Journal of Differential Geometry, 331-364, Surv. Differ. Geom., 22, Int. Press, Somerville, MA, 2018.
60. 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.
61. Andrei Moroianu, Angel Murcia, C. S. Shahbazi, *Heterotic solitons on four-manifolds*, New York J. Math. 28(2022), 1463-1497.
62. 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.
63. 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>

64. 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>
65. Jock McOrist, Eirik Eik Svanes, *Heterotic Quantum Cohomology*, November 2022. Journal of High Energy Physics 2022(11) DOI: 10.1007/JHEP11(2022)096.
66. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic  $G_2$  system*, arXiv:2111.13221.
67. 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.
68. **Tristan C. Collins, Sebastien Picard, Shing-Tung Yau**, *The Strominger system in the square of a Kaehler class*, January 2025 Pure and Applied Mathematics Quarterly 21(3):1015-1035 DOI: 10.4310/PAMQ.250115044354,
69. 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.
70. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Harmonic metrics for the Hull-Strominger system and stability*, arXiv:2301.08236.
71. 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.
72. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
73. Mario Garcia-Fernandez, Raul Gonzalez Molina, *Futaki Invariants and Yau's Conjecture on the Hull-Strominger system*, March 2025, Journal für die reine und angewandte Mathematik (Crelle), DOI: 10.1515/crelle-2025-0008
74. **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
75. Andrew Clarke, Viviana del Barco, Andres J. Moreno,  *$G_2$ -instantons on 2-step nilpotent Lie groups*, arXiv:2304.04284.
76. 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.
77. 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.
78. Mateo Galdeano, Daniel Platt, Yuuji Tanaka, Luya Wang, *Spin(7)-instantons on Joyce's first examples of compact Spin(7)-manifolds*, arXiv:2310.03451.
79. 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.
80. Sebastien Picard, *The Strominger System and Flows by the Ricci Tensor*, arXiv:2402.17770.
81. Mateo Galdeano, Leander Stecker, *The heterotic  $G_2$  system with reducible characteristic holonomy*, arXiv:2403.00084.
82. Andres J. Moreno, Luis E. Portilla, *Homogeneous  $G_2$  and Sasakian instantons on the Stiefel 7-manifold*, arXiv:2406.06753.
83. Bernardo Araneda, Angel J. Murcia, *Generalized Siklos space-times*, January 2025, Journal of Physics A: Mathematical and Theoretical 58(4) DOI: 10.1088/1751-8121/adaa3b
84. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
85. Hannah de Lazari, Jason D. Lotay, Henrique Sa Earp, Eirik Eik Svanes, *Local descriptions of the heterotic  $SU(3)$  moduli space*, to appear in Comm. Math. Phys. 2025, arXiv:2409.04382.
86. Maki Takeuchi, Takanao Tsuyuki, Hikaru Uchida, *Three-generation solutions of equations of motion in heterotic supergravity* May 2023 Physical Review D 107(9) DOI: 10.1103/PhysRevD.107.095039
87. Jock McOrist, Martin Sticka, and Eirik Eik Svanes, *The physical moduli of heterotic  $G_2$  string compactifications*, arXiv:2409.13080 .

88. Jock McOrist, Martin Sticka, and Eirik Eik Svanes, *The physical moduli of heterotic G2 string compactifications*, arXiv:2409.13080.
89. Javier Jose Murgas Ibarra, Eirik Eik Svanes, *Recent Developments in Heterotic Moduli*, arXiv:2409.16524.
90. Jock McOrist, Martin Sticka and Eirik Eik Svanes, *The heterotic G2 moduli space metric*, arXiv:2502.16093.
91. Daniele Angella, *Hermitian metrics on complex non-Kähler manifolds*, arXiv:2503.16936.
- 52. "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; IF - 1.065**  
*цитированя* - 10.
1. Malin Goteman, Ulf Lindstrom, *Pseudo-hyperkahler Geometry and Generalized Kahler Geometry*, Lett. Math. Phys. **95** (2011), no. 3, 211-222.
  2. Marco Freibert, *Geometric structures on Lie algebras and the Hitchin flow*, Dissertation zur Erlangung des Doktorgrades der Fakultät für Mathematik, Informatik und Naturwissenschaften der Universität Hamburg, Hamburg 2013.
  3. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) **16** (2016), no. 2, 625-674.
  4. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of Sp(n + 1, 1)*, Ann. Global Analysis Geom. (2016), pp 1-37, First online: 11 January 2016.
  5. Malte Dyckmanns, *The hyper-Kähler/quaternionic Kähler correspondence and the geometry of the c-map* Dissertation zur Erlangung des Doktorgrades an der Fakultät für Mathematik, Informatik und Naturwissenschaften Fachbereich Mathematik der Universität Hamburg, Hamburg, 2015.  
<http://ediss.sub.uni-hamburg.de/volltexte/2015/7542/pdf/Dissertation.pdf>
  6. A. Santi, *Almost CR quaternionic manifolds and their immersibility in  $HP^n$* , Abh. Math. Semin. Univ. Hambg. **87** (2017), no. 1, 83-103.
  7. Marco Freibert, *SU(4)-holonomy via the left-invariant hypo and Hitchin flow*, Ann. Mat. Pura Appl. (4) **197** (2018), no. 4, 1051-1087.
  8. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
  9. Udhav Fowdar, *Einstein metrics on bundles over hyperKähler manifolds*, Commun. Math. Phys. (2023).  
<https://doi.org/10.1007/s00220-023-04809-3>
  10. Vicente Cortes, Alejandro Gil-Garcia, Markus Roser. *Quaternionic Kähler manifolds fibered by solvsolitons*, arXiv:2501.12225.
- 53. "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; IF - 0.683**  
*цитированя* - 14
1. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  2. A. Petkov, *Riemannian and sub-Riemannian manifolds with additional structures*, Thesis of Dissertation, Sofia University "St.Kl.Ohridski", 2014.
  3. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. **47** (2015), no. 1, 99-115.
  4. Hiroyuki Kamada and Shin Nayatani, *Quaternionic CR geometry*, Hokkaido Math. J. Volume 42, Number 2 (2013), 159-329.
  5. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. **101** (2013), 193-213.
  6. Michael Christ, Heping Liu, An Zhang, *Sharp Hardy-Littlewood-Sobolev Inequalities on Quaternionic Heisenberg Groups*, Nonlinear Analysis: Theory, Methods & Applications, Volume 130, January 2016, Pages 361-395.



7. An Zhang, *Sharp Hardy-Littlewood-Sobolev inequalities on a class of H-type groups*, Seminaire Laurent-Schwartz — EDP et applications Institut des hautes etudes scientifiques, 2015-2016, Expose no XI, 1-8, DOI: 10.5802/slsedp.98
  8. 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
  9. 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
  10. Liu Heping, Zhang An, *On sharp inequalities on nilpotent Lie groups*, SCIENTIA SINICA Mathematica, Volume 48 , Issue 10 : 1371-1386, (2018). <https://doi.org/10.1360/N012018-00149>.
  11. 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
  12. Qiaohua Yang , *The optimal constant in the L2 Folland-Stein inequality on the H-type group*, J. Funct. Anal. (2023), 110209, doi: <https://doi.org/10.1016/j.jfa.2023.110209>.
  13. Adrian Andrada, Maria Laura Barberis, *Applications of the quaternionic Jordan form to hypercomplex geometry*, September 2024, Journal of Algebra, DOI: 10.1016/j.jalgebra.2024.10.023.
  14. Yaojun Wang, Qiaohua Yang, *Sharp fractional Sobolev and related inequalities on H-type groups*, arXiv:2406.16278.
- 54. "The twistor space of a quaternionic contact manifold (with Johan Davidov and Ivan Minchev), Quart. J. Math. Oxford 63 (2012), no. 4, 873-890. IF - 0.617**  
*цитирования - 4.*
1. Jesse Alt, *On the twistor space of a quaternionic contact manifold*, J. Geom. Phys. 61, No. 10, 1783-1788 (2011).
  2. Diego Conti, Marisa Ferna'ndez, Jose' A. Santisteban, *On seven dimensional quaternionic contact solvable Lie groups*, Forum Math. 26 (2014), no. 2, 547-576.
  3. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  4. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. 47 (2015), no. 1, 99-115.
- 55. "HKT manifolds with holonomy SL(n,H) (with Alexander Petkov), Int. Math. Res. Notices IMRN 2012, no. 16, 3779-3799 IF - 1.116**  
*цитирования - 17.*
1. F. Delduca, E. Ivanov, *N=4 mechanics of general (4,4,0) multiplets*, Nuclear Physics B Volume 855, Issue 3, 21 February 2012, Pages 815-853.
  2. Gueo Grantcharov, Misha Verbitsky, *Calibrations in hyperkahler geometry*, Commun. Contemp. Math. 2013. Vol. 15, no. 2. P. 1250060, 27.
  3. Andrei Soldatenkov, *Geometry of hyper-complex manifolds (in russian)*, Ph.D Dissertation, Moscow, 2014. [http://www.iitp.ru/upload/content/1104/Dis\\_Soldatenkov.pdf](http://www.iitp.ru/upload/content/1104/Dis_Soldatenkov.pdf)
  4. T. Kimura, S. Sasaki, M. Yata, *Hyper-Kaehler with torsion, T-duality, and defect (p, q) five-branes - Journal of High Energy Physics, (JHEP) 03 (2015) 076.*
  5. 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>.
  6. Gentili, G., Zhang, J. *Fully Non-linear Elliptic Equations on Compact Manifolds with a Flat Hyperkahler Metric*, J Geom Anal 32, 229 (2022). <https://doi.org/10.1007/s12220-022-00964-6>.
  7. Adrian Andrada, Maria Laura Barberis, *Hypercomplex almost abelian solvmanifolds*, The Journal of Geometric Analysis volume 33, Article number: 213 (2023).
  8. 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
  9. Lucio Bedulli, Giovanni Gentili, Luigi Vezzoni , *The parabolic quaternionic Calabi-Yau equation on hyperKaehler manifolds*, Revista Matematica Iberoamericana 40(6), pp. 2291–2310. DOI: 10.4171/rmi/1499.

10. Adrian Andrada, Alejandro Tolcachier, *On the canonical bundle of complex solvmanifolds and applications to hypercomplex geometry*, July 2024, Transformation Groups DOI: 10.1007/s00031-024-09866-z
11. Zhang Jiaogen,  *$L^\infty$  estimate for a complex Monge-Ampere type equation from hypercomplex geometry*, arXiv:2310.12597.
12. Elia Fusi, Giovanni Gentili, *Special metrics in hypercomplex geometry*, arXiv:2401.13056.
13. Adrian Andrada, Maria Laura Barberis, *Applications of the quaternionic Jordan form to hypercomplex geometry*, arXiv:2405.18656.
14. Adrian Andrada, Agustin Garrone, Alejandro Tolcachier, *Hypercomplex structures on special linear groups*, arXiv:2408.14715.
15. Zhang Jiaogen, *A Uniform Estimate for the Quaternionic Gauduchon Metric With Prescribed Volume Form*, February 2025, International Mathematics Research Notices 2025(5) DOI: 10.1093/imrn/rnaf032.
16. Giovanni Gentili, Zhang Jiaogen, *Fully non-linear parabolic equations on compact manifolds with a flat hyperkaehler metric*, Israel Journal of Mathematics (2025) DOI: 10.1007/s11856-025-2734-1
17. Elia Fusi, *Some developments in balanced and SKT Geometry*, Doctoral dissertation, Politecnico di Torino 2024.  
<https://tesidottorato.depositolegale.it/bitstream/20.500.14242/190211/1/Tesi%20Elia%20Fusi%20modificata.pdf>
- 56. "Bianchi type A hyper-symplectic metrics and hyper-Kaehler metrics in 4d (with Luis C. de Andre's, Marisa Ferna'ndez, Jose A. Santisteban, Luis Ugarte and Dimiter Vassilev), Class. Quantum Grav., 29 (2012) 025003, arXiv:1102.1518. IF - 3.562**  
*цитирания - 2*
1. A.M. Ghezelbash and R. Oraji, *Supergravity solutions of two M2 branes*, JHEP 10 (2013), 012.
  2. P. Antunes and J. M. Nunes da Costa, *Induced hypersymplectic and hyperkähler structures on the dual of a Lie algebroid*, Int. J. Geom. Methods Mod. Phys. 11, 1460030 (2014) [9 pages] DOI: 10.1142/S0219887814600305
- 57. "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. IF - 0.867 (2013)**  
*цитирания - 9*
1. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) 16 (2016), no. 2, 625-674.
  2. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  3. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. 47 (2015), no. 1, 99-115.
  4. Fabrice Baudoin, Bumsik Kim, *The Lichnerowicz-Obata theorem on sub-Riemannian manifolds with transverse symmetries*, J. Geom. Anal. January 2016, Volume 26, Issue 1, pp 156-170.
  5. Feifan Wu and Wei Wang, *The Bochner-Type Formula and The First Eigenvalue of the sub-Laplacian on a Contact Riemannian Manifold*, Differential Geom. Appl. 37 (2014), 66-88.
  6. Bumsik Kim, *Functional inequalities and the curvature dimension inequality on totally geodesic foliations*, (2015). Open Access Dissertations . 487. [http://docs.lib.purdue.edu/open\\_access\\_dissertations/487](http://docs.lib.purdue.edu/open_access_dissertations/487)
  7. 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.
  8. Ivan Minchev, *The geometry of quaternionic-contact manifolds and the Yamabe problem*, Thesis for "doctor of science" degree in mathematics, Sofia 2020.
  9. 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.
- 58. "Vanishing theorems on  $(l|k)$ -strong Kaehler manifolds with torsion (with George Papadopoulos), Adv. Math. 237 (2013), 147-164. IF - 1.353**  
*цитирания - 30.*

1. Dan Popovici, *Aeppli Cohomology Classes Associated with Gauduchon Metrics on Compact Complex Manifolds*, Bull. Soc. Math. France 143 (2015), no. 4, 763-800.
2. Jixiang Fu, Xianchao Zhou, *Twistor geometry of Riemannian 4-manifolds by moving frames*, Comm. Anal. Geom. 23 (2015), no. 4, 819-839.
3. Kefeng Liu, Xiaokui Yang, *Ricci curvatures on Hermitian manifolds*, Trans. Amer. Math. Soc. 369 (2017), no. 7, 5157-5196. DOI: <https://doi.org/10.1090/tran/7000> Published electronically: March 17, 2017
4. Lucia Alessandrini, *Holomorphic submersions onto Kaehler or balanced manifolds*, Tohoku Math. J. (2) 68 (2016), no. 4, 607-619.
5. Daniele Angella, Luis Ugarte, *Locally conformal Hermitian metrics on complex non-Kähler manifolds*, Mediterranean Journal of Mathematics (2015), pp 1-41.
6. Anna Fino, Luigi Vezzoni, *On the existence of balanced and SKT metrics on nilmanifolds*, Proc. American Math. Soc. (PAMS) 144 (2016), 2455-2459.
7. Adela Latorre, *Geometry of nilmanifolds with invariant complex structures*, Ph. D Thesis, Universidad Zaragoza, 2016.
8. Adela Latorre, Luis Ugarte, *On non-Kähler compact complex manifolds with balanced and astheno-Kähler metrics*, Comptes Rendus Mathématique Volume 355, Issue 1, January 2017, Pages 90-93.
9. Fu, J., *A survey on balanced metrics*, 2016 Springer Proceedings in Mathematics and Statistics 154, pp. 127-138 .
10. Marco Freibert, Andrew Swann, *The shear construction*, Geometriae Dedicata 198, 71-101 (2019). <https://doi.org/10.1007/s10711-018-0330-9>.
11. A. Latorrea, L. Ugarte, R. Villacampa, *On generalized Gauduchon nilmanifolds*, Differential Geometry and its Applications 54 (2017), part A, 150-164. <http://dx.doi.org/10.1016/j.difgeo.2017.03.016>
12. Adela Latorre, Luis Ugarte, Raquel Villacampa, *A family of complex nilmanifolds with infinitely many real homotopy types*, Complex manifolds, vol 5, (1) (2018), p. 89-102. DOI: <https://doi.org/10.1515/coma-2018-0004>
13. Otal A., Ugarte L., Villacampa R. (2017) *Hermitian Metrics on Compact Complex Manifolds and Their Deformation Limits* In: Chiossi S., Fino A., Musso E., Podesta F., Vezzoni L. (eds) Special Metrics and Group Actions in Geometry. Springer INdAM Series, vol 23. Springer, Cham, pp. 269-290.
14. 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.
15. 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.
16. 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.
17. 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.
18. Mattia Pujia, Luis Ugarte, *The Anomaly flow on nilmanifolds*, June 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09781-6.
19. Slawomir Dinew, Dan Popovici, *A Generalised Volume Invariant for Aeppli Cohomology Classes of Hermitian-Symplectic Metrics*, December 2021, Advances in Mathematics 393(1):108056, DOI: 10.1016/j.aim.2021.108056.
20. 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
21. 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,
22. 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.

23. Latorre, A, Ugarte, L, Villacampa, R, *Frölicher spectral sequence of compact complex manifolds with special Hermitian metrics*, September 2024 *Annals of Global Analysis and Geometry* 66(3):14 DOI: 10.1007/s10455-024-09972-x.
  24. 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.
  25. 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>.
  26. Dan Popovici, *Pluriclosed Star Split Hermitian Metrics*, *Math. Z.* 305, 7 (2023). <https://doi.org/10.1007/s00209-023-03344-0>.
  27. Liviu Ornea, Misha Verbitsky, **Principles of Locally Conformally Kähler Geometry**, arXiv:2208.07188.
  28. Xiaokui Yang, *Manifolds with non-positive second Chern-Ricci curvature*, arXiv:2407.05660.
  29. Liviu Ornea, Misha Verbitsky, *Balanced metrics and Gauduchon cone of locally conformally Kähler manifolds*, *International Mathematics Research Notices* 2025(3) DOI: 10.1093/imrn/rnaf014arXiv:2407.04623.
  30. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
- 59. "An Obata type result for the first eigenvalue of the sub-Laplacian on a CR manifold with a divergence free torsion (with Dimiter Vassilev), *J. Geom.*, Volume 103, Issue 3 (2012), Page 475-504.**
- цитированя - 13.*
1. Song-Ying Li, Xiaodong Wang, *An Obata-type Theorem in CR Geometry*, *J. Diff. Geom.* **95** (2013), 483-502; rXiv:1207.4033.
  2. F. Baudoin, J. Wang, *Curvature dimension inequalities and subelliptic heat kernel gradient bounds on contact manifolds*, *Potential Anal.* **40** (2014), 163-193.
  3. Fabrice Baudoin, Bumsik Kim, *The Lichnerowicz-Obata theorem on sub-Riemannian manifolds with transverse symmetries*, *J. Geom. Anal.* January 2016, Volume 26, Issue 1, pp 156-170.
  4. Amine Aribi, Sorin Dragomir1, Ahmad El Soufi, *A lower bound on the spectrum of the sublaplacian*, *J. Geom. Anal.* 25 (2015), no. 3, 1492-1519.
  5. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, *Annuaire Univ. Sofia Fac. Math. Inform.* 101 (2013), 193-213.
  6. Asma Hassannezhad, Gerasim Kokarev, *Sub-Laplacian eigenvalue bounds on sub-Riemannian manifolds*, *Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)* 16 (2016), no. 4, 1049-1092.
  7. Feifan Wuand Wei Wang, *The Bochner-Type Formula and The First Eigenvalue of the sub-Laplacian on a Contact Riemannian Manifold*, *Differential Geom. Appl.* **37** (2014), 66-88.
  8. Duong Ngoc Son, *The Schwarzian derivative and Mobius equation on strictly pseudo-convex CR manifolds*, *Comm. Anal. Geom.* 26 (2018), no. 2, 237-269.
  9. Amine Aribi, Ahmad El Soufi, *The first positive eigenvalue of the sub-Laplacian on CR spheres*, *Ann Glob Anal Geom* (2017) 51: 1. doi:10.1007/s10455-016-9519-z.
  10. Song-Ying Li, Guijuan Lin, Duong Ngoc Son, *The sharp upper bounds for the first positive eigenvalue of Kohn-Laplacian on compact strictly pseudoconvex hypersurfaces*, *Math. Z.* (2018) 288: 949-963. <https://doi.org/10.1007/s00209-017-1922-z>
  11. Bumsik Kim, *Functional inequalities and the curvature dimension inequality on totally geodesic foliations*, (2015). Open Access Dissertations . 487. [http://docs.lib.purdue.edu/open\\_access\\_dissertations/487](http://docs.lib.purdue.edu/open_access_dissertations/487)
  12. Christoph Martin Stadtmüller, *Horizontal Dirac Operators in CR Geometry*, PH.D. Thesis, Humboldt University Berlin, July 2017. <https://edoc.hu-berlin.de/bitstream/handle/18452/18801/stadtmueller.pdf?sequence=1&isAllowed=y>
  13. Guijuan Lin, Sujuan Long, Qiqi Zhang, *The upper bound for the first positive eigenvalue of Sub-Laplacian on a compact strictly pseudoconvex hypersurface*, January 2024, *AIMS Mathematics* 9(9):25376-25395 DOI: 10.3934/math.20241239

60. "An Obata-type theorem on a three-dimensional CR manifold (with Dimiter Vassilev), Glasgow Math. J. 56 (2014), 283-294. IF - 0.309 (2013)

цитирания - 4.

1. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
2. Fabrice Baudoin, Bumsik Kim, *The Lichnerowicz-Obata theorem on sub-Riemannian manifolds with transverse symmetries*, J. Geom. Anal. January 2016, Volume 26, Issue 1, pp 156-170.
3. Asma Hassannezhad, Gerasim Kokarev, *Sub-Laplacian eigenvalue bounds on sub-Riemannian manifolds*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) 16 (2016), no. 4, 1049-1092.
4. Amine Aribi, Ahmad El Soufi, *The first positive eigenvalue of the sub-Laplacian on CR spheres*, Ann Glob Anal Geom (2017) 51: 1. doi:10.1007/s10455-016-9519-z.

61. "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 IF - 1.612

цитирания - 4.

1. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
2. Fabrice Baudoin, Bumsik Kim, *The Lichnerowicz-Obata theorem on sub-Riemannian manifolds with transverse symmetries*, J. Geom. Anal. January 2016, Volume 26, Issue 1, pp 156-170.
3. Paul-Andi Nagy, Uwe Semmelmann, *The G2 geometry of 3-Sasaki structures*. January 2024, Journal of Geometric Analysis 34(2), DOI: 10.1007/s12220-023-01494-5.
4. Paul-Andi Nagy, Uwe Semmelmann, **Eigenvalue estimates for 3-Sasaki structures**, July 2023, Journal fur die reine und angewandte Mathematik (Crelle) , DOI: 10.1515/crelle-2023-0044.

62. "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, arXiv:1402.6107. IF - 6.220

цитирания - 31.

1. Ilarion V. Melnikov, Ruben Minasian, Savdeep Sethi, *Heterotic fluxes and supersymmetry*, J. High Energy Phys. 2014, no. 6, 174, front matter+20 pp. [hep-th].
2. A.S. Haupt, O. Lechtenfeld, E.T. Musaev, *Order  $\alpha'$  heterotic domain walls with warped nearly Kähler geometry*, Journal of High Energy Physics, (JHEP), Volume 2014, article id. #152, 28 pp.
3. Mario Garcia-Fernandez, Roberto Rubio, Carl Tipler, *Infinitesimal moduli for the Strominger system and Killing spinors in generalized geometry*, Mathematische Annalen, Volume 369 (2017), Issue 1-2, pp 539-595, <https://doi.org/10.1007/s00208-016-1463-5>
4. Teng Fei, *Some Torsional Local Models of Heterotic Strings*, Communications in Analysis and Geometry 25(5), 941-968 (2017) .
5. Teng Fei, *On the Geometry of the Strominger System*. Ph.D Thesis MIT-2016, MR3593383. Submitted to the Department of Mathematics of MIT on April 29, 2016, in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Mathematics.  
<http://hdl.handle.net/1721.1/104598>  
<http://math.mit.edu/~tfei/Thesis.pdf>
6. Mario Garcia-Fernandez, *Lectures on the Strominger system*, Travaux Mathématiques, Special Issue: School GEOQUANT at the ICMAT, Vol. XXIV, 7-61 2016.
7. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *Anomaly flows*, Comm. Anal. Geom. 26 (2018), no. 4, 955-1008.
8. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *The anomaly flow and the Fu-Yau equation*, Ann. PDE 4 (2018), no. 2, Paper No. 13, 60 pp.
9. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *Geometric flows and Strominger systems*, Math. Z. 288 (2018), no. 1-2, 101-113.

10. Phong, D.H., Picard, S., Zhang, X., *The Fu-Yau equation with negative slope parameter*, Invent. Math. **209** 2 (2017), doi:10.1007/s00222-016-0715-z
11. Fernando Etayo, Rafael Santamaria, *The canonical involution in the space of connections of a  $(J^2 = \pm 1)$ -metric manifold*, arXiv:1705.11135.
12. 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>
13. Duong Phong, Sebastien Picard, Xiangwen Zhang, *Supersymmetric String Vacua with Torsion and Geometric Flows*, Proceedings of Science (PoS) CORFU2016 (2017) 096.
14. Fernando Etayo, Araceli deFrancisco, Rafael Santamaria *The Chern Connection of a  $(J^2 = \pm 1)$ -Metric Manifold of Class  $\mathcal{G}_1$* , Mediterr. J. Math. 15 (2018), no. 4, Paper No. 157, 20 pp. DOI: 10.1007/s00009-018-1207-8
15. Duong H. Phong, Sebastien Picard, Xiangwen Zhang, *New curvature flows in complex geometry*, Surveys in Differential Geometry 2017. Celebrating the 50th anniversary of the Journal of Differential Geometry, 331-364, Surv. Differ. Geom., 22, Int. Press, Somerville, MA, 2018.
16. 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].
17. Sebastien Picard, *The Hull-Strominger System in Complex Geometry*, Ph.D. Thesis in the Graduate School of Arts and Sciences, COLUMBIA UNIVERSITY 2018. file:///D:/Thesys/Picard\_columbia\_0054D\_14538.-StromingerSystempdf.pdf
18. 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.
19. Huang, Zhijie, *The coupled Ricci flow and the anomaly flow over Riemann surface*, PhD Thesis, Columbia University, 2018, <https://academiccommons.columbia.edu/doi/10.7916/D8WH4642>  
<https://doi.org/10.7916/D8WH4642>
20. Duong H. Phong, *Geometric Partial Differential Equations from Unified String Theories*, International Press, Boston, MA, 2020, 67-87.
21. 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
22. 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.
23. 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.
24. 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.
25. 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.
26. Anthony Ashmore, Ruben Minasian, Yann Proto, *Geometric flows and supersymmetry*, Communications in Mathematical Physics (2024) 405(1) DOI: 10.1007/s00220-023-04910-7.
27. **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.
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. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
30. Elia Fusi, *Some developments in balanced and SKT Geometry*, Doctoral dissertation, Politecnico di Torino 2024.  
<https://tesidottorato.depositolegale.it/bitstream/20.500.14242/190211/1/Tesi%20Elia%20Fusi%20modificata.pdf>

31. Daniele Angella, *Hermitian metrics on complex non-Kähler manifolds*, arXiv:2503.16936.
- 63. "The Obata sphere theorems on a quaternionic contact manifold of dimension bigger than seven (with Alexander Petkov and Dimiter Vassilev), to appear in J. Spectral Theory, ; arXiv:1303.0409.IF - 1.231 (2014)**  
*цитирания - 3.*
1. F. Baudoin, J. Wang, *The subelliptic heat kernels of the quaternionic Hopf fibration*, Potential Analysis, October 2014, Volume 41, Issue 3, pp 959-982.
  2. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  3. Fabrice Baudoin, Bumsik Kim, *The Lichnerowicz-Obata theorem on sub-Riemannian manifolds with transverse symmetries*, J. Geom. Anal. January 2016, Volume 26, Issue 1, pp 156-170.
- 64. "Quaternionic contact hypersurfaces in hyper-Kähler manifolds (with Ivan Minchev, Dimiter Vassilev), to appear in Annali di matematica Pura ed Applicata, arXiv:1406.4256. IF - 1.065 (2014)**
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>
- 65. "Quaternionic contact Einstein manifolds (with Ivan Minchev and Dimiter Vassilev), Math. Res. Lett., 23 (5) (2016), 1405-1432. IF - 0.411 (2014)**  
*цитирания - 9.*
1. Diego Conti, *Intrinsic torsion in quaternionic contact geometry*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) 16 (2016), no. 2, 625-674.
  2. J. A. Santisteban, *Estructuras cuaternionicas contacto y metricas especiales*, Thesis of Dissertation, Universidad del Pais Vasco, November, 2013.
  3. Robert K. Hladky, *The topology of quaternionic contact manifolds*, Ann. Global Anal. Geom. **47** (2015), no. 1, 99-115.
  4. Alexander Petkov, *A Lichnerowicz-type result on a seven-dimensional quaternionic contact manifold*, Annuaire Univ. Sofia Fac. Math. Inform. 101 (2013), 193-213.
  5. Ilka Agricola and Giulia Dileo, *New classes of almost 3-contact metric manifolds and their remarkable connections* Preprint, April 17, 2017.
  6. 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.
  7. 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
  8. Yoshinobu Kamishima, *Quaternionic contact  $4n+3$ -manifolds and their  $4n$ -quotients*, March 2021, Annals of Global Analysis and Geometry, DOI: 10.1007/s10455-021-09758-5.
  9. Yoshinobu Kamishima, *Quaternionic contact structures with integrable complementary distributions*, arXiv:1902.08796
- 66. "Sasaki-like almost contact complex Riemannian manifolds (with H. Manev and M. Manev), to appear in J. Geom. Physics arXiv:1402.5426.**  
*цитирания - 12.*
1. Miroslava Ivanova, *Lie groups as 3-dimensional almost contact B-metric manifolds in the main vertical classes*, arXiv:1504.01094.
  2. Cristian Ida, *On complex Riemannian foliations*, Journal of Physics: Conference Series 670 (2016) 012025, doi:10.1088/1742-6596/670/1/012025. <http://iopscience.iop.org/article/10.1088/1742-6596/670/1/012025/pdf>
  3. 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. Babeş-Bolyai Math. **64** (2019), no. 4, 593-599.

4. A. Devgan, R.K. Nagaich, *Totally Contact Umbilical Radical Transversal Lightlike Submanifolds Of An Almost Contact Manifold With B-Metric*, J. Adv. Math. vol. 13, 4 (2017), 7286-7294. DOI: <https://doi.org/10.24297/jam.v13i4.6234>
  5. R. K. Nagaich, Anu Devgan, *Constancy of  $\rho$ -holomorphic sectional curvature of an indefinite Sasaki-like almost contact manifold with B-metric*, New Trends in Mathematical Sciences 4(6) (2018), 87-95, DOI: 10.20852/ntmsci.2018.319
  6. 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.
  7. 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>.
  8. 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
  9. 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.
  10. Mehmet Solgun, *On constructing almost complex Norden metric structures*, 2022 AIMS Mathematics 7(10):17942-17953, DOI: 10.3934/math.2022988.
  11. Nulifer Ozdemir, Sirin Aktay, Mehmet Solgun, *Some results on normal almost contact manifolds with B-metric*, Kraguevaz J Math. (2024)
  12. Nulifer Ozdemir, Elanur Eren, *Some Results on Almost Contact Manifolds with B-Metric*, Fundamentals of Contemporary Mathematical Sciences doi:10.54974/fcmathsci.1581680 (2025) 6(1) 81-92.
- 67. "The quaternionic Heisenberg group and Heterotic String Solutions with non-constant dilaton in dimensions 7 and 5 (with Marisa Fernandez, Luis Ugarte, Dimiter Vassilev), to appear in Comm. Math. Phys., arXiv:1410.4130.**

*цитирания - 11.*

1. Victor Manero, *Closed  $G_2$  forms and special metrics*, Ph.D Thesys, Universidad del Pais Vasco, Bilbao 2015.  
[https://addi.ehu.es/bitstream/10810/16773/1/TESIS\\_VICTOR\\_MANERO\\_GARCIA.pdf](https://addi.ehu.es/bitstream/10810/16773/1/TESIS_VICTOR_MANERO_GARCIA.pdf)
2. Andrew Clarke, Mario Garcia-Fernandez, Carl Tipler, *Moduli of  $G_2$  structures and the Strominger system in dimension 7*, arXiv:1607.01219.
3. U. Gran, J. Gutowski, G. Papadopoulos, *Classification, geometry and applications of supersymmetric backgrounds*, Physics Reports Volume 794, 3 March 2019, Pages 1-87.
4. 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.
5. 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>
6. Xenia de la Ossa, Mateo Galdeano, *Families of solutions of the heterotic  $G_2$  system*, arXiv:2111.13221.
7. Mateo Galdeano, *The Geometry and Superconformal Algebras of String Compactifications with a  $G_2$ -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. Mateo Galdeano, Leander Stecker, *The heterotic  $G_2$  system with reducible characteristic holonomy*, arXiv:2403.00084.
9. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled  $G_2$ -instantons*, arXiv:2404.12937.
10. Caleb Suan, *Anomaly Flow: Shi-Type Estimates and Long-time Existence*, arXiv:2408.15514.
11. Anna Fino, Udhav Fowdar, *Some remarks on strong  $G_2$ -structures with torsion*, arXiv:2502.06066.

- 68 Connections on non-symmetric (generalized) Riemannian manifold and gravity, (with Milan Zlatanovic), Class. Quantum Grav., Volume 33, Number 7, 075016, (2016).**

*цитирания - 20.*

1. Nenad O. Vesic, *Basic Invariants of Geometric Mappings*, Miskolc Math. Notes 21 (2020), no. 1, 473-487.



2. Nenad O. Vesic, *Projective Curvature Tensors of Second Type Almost Geodesic Mappings*, arXiv:1609.08649.
3. Nenad O. Vesic, *Nonunique Invariants of Third Type Almost Geodesic Mappings*, arXiv:1710.04504.
4. Nenad Vesic, Mica S. Stankovic, *Invariants of Special Second Type Almost Geodesic Mappings of Generalized Riemannian Space*, *Mediterr. J. Math.* 15 (2018), no. 2, Paper No. 60, 12 pp. DOI 10.1007/s00009-018-1110-3
5. Abraao J. S. Capistrano, *On Nearly Newtonian Potentials and Their Implications to Astrophysics*, *Galaxies* 2018,6, 48; doi:10.3390/galaxies6020048.
6. Peter Gilkey, JeongHyeong Park, *Moduli spaces of oriented Type A manifolds of dimension at least 3*, *J. Korean Math. Soc.* 54 (2017), no. 6, 1759-1786.
7. Vesic, N.O., *Weyl projective objects  $W_1, W_2, W_3$  for equitorsion geodesic mappings*, 2018 *Miskolc Mathematical Notes* 19(1), pp. 665-675.
8. Vesic, N.O., *Some invariants of conformal mappings of a generalized riemannian space*, 2018 *Filomat* 32(4), pp. 1465-1474.
9. Berezovskii, V., Hinterleitner, I., Mikes, J., *Geodesic mappings of manifolds with affine connection onto the ricci symmetric manifolds*, 2018 *Filomat* 32(2), pp. 379-385.
10. Vesic, N.O. *Linear Independence of Covariant Derivatives and Space-Curvatures*, Preprint, July 2019, [https://www.researchgate.net/publication/334161389\\_Linear\\_Independence\\_of\\_Covariant\\_Derivatives\\_and\\_Space-Curvatures](https://www.researchgate.net/publication/334161389_Linear_Independence_of_Covariant_Derivatives_and_Space-Curvatures)
11. Nenad O. Vesic, *Cosmological Meaning of Geometric Curvatures*, January 2020, *Filomat* 34(12):4107-4121, DOI: 10.2298/FIL2012107V
12. V.M. Stankovic, *Certain properties of generalized Einstein spaces*, January 2018, *Filomat* 32(13):4803-4810. DOI: 10.2298/FIL1813803S
13. 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
14. 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>
15. 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>.
16. Miroslav Maksimovic, *Quarter-symmetric non-metric connection*, arXiv:2210.01509.
17. M. I. Wanas, Samah Nabil, Kyrillos ElAbd and Nouran E. Abdelhamid, *New Path Equations in Einstein Non-symmetric Geometry*, November 2024, *Gravitation and Cosmology* 30(4):489-495 DOI: 10.1134/S0202289324700385.
18. Milos Z. Petrovic, *On generalized almost para-Hermitian spaces*, *Filomat* 37:25 (2023), 8719–8724.
19. Marko Stefanovic, Nenad Vesic, Dusan Simjanovic and Branislav Randjelovic, *Special Geometric Objects in Generalized Riemannian Spaces*, *Axioms* 2024, 13(7), 463; <https://doi.org/10.3390/axioms13070463>.
20. Vladislava M. Milenkovic, Mica S. Stankovic, *Quasi-Canonical Biholomorphically Projective Mappings of Generalized Riemannian Space in the Eisenhart Sense*, Aug 2024, *Axioms* 13(8):528, DOI: 10.3390/axioms13080528

**69 Solution of the qc Yamabe equation on a 3-Sasakian manifold and the quaternionic Heisenberg group, (with Ivan Minchev, Dimiter Vassilev), to appear in Analysis and PDE (2021).**

*цитирования - 4.*

1. Yun Shi, Wei Wang, *On Conformal Qc Geometry, Spherical Qc Manifolds and Convex Cocompact Subgroups of  $Sp(n+1, 1)$* , *Ann. Global Analysis Geom.* (2016), pp 1-37, First online: 11 January 2016.
2. Giuseppe Pipoli, *Inverse mean curvature flow in quaternionic hyperbolic space*, *Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl.* 29 (2018), no. 1, 153-171. DOI: 10.4171/RLM/798
3. Shi, Yun, *Chain and R-circle on quaternionic Heisenberg group and their properties*, (Chinese) *Appl. Math. J. Chinese Univ. Ser. A* 31 (2016), no. 1, 90-100.
4. Giuseppe Pipoli, *A survey on Inverse mean curvature flow in ROSSes*, *Complex Manifolds* 2017; 4: 245-262, <https://doi.org/10.1515/coma-2017-0016>.

**70 Formality of 7-dimensional 3-Sasakian manifolds, (with Marisa Fernandez and Vicente Munoz), to appear in Ann. Scuola. Norm. Super. Pisa Cl. Sci., arXiv:1511.08930.**

цитирания - 3.

1. Svjetlana Terzic, *On geometric formality of rationally elliptic manifolds in dimensions 6 and 7*, Publ. Inst. Math. (Beograd) (N.S.) 103(117) (2018), 211-222.
2. I. A. Taimanov, *Generalised Kummer construction and the cohomology rings of G2-manifolds*, (in Russian) Sbornik: Mathematics, 2018, Volume 209, Issue 12, 1803-1811., DOI: 10.1070/SM8999
3. Charles P. Boyer, *Contact Structures of Sasaki Type and their Associated Moduli*, Complex Manifolds 6 (2019), no. 1, 1-30.

**71 A heat equation on a quaternionic contact manifold, (with A. Petkov), arXiv:1608.00460.**

цитирания - 1.

1. Dimiter Vassilev, *The monotonicity of an entropy like energy for the heat equation on a quaternionic contact manifold*, Pacific J. Math., Vol. 289 (2017), No. 1, 189-201. DOI: 10.2140/pjm.2017.289.189

**72 Non-umbilical quaternionic contact hypersurfaces in hyper-Kähler manifolds (with Ivan Minchev and Dimiter Vassilev), to appear in Intern. Math. Research. Notices (IMRN), arXiv:1609.02838.**

**73 "The qc Yamabe problem on non-spherical quaternionic contact manifolds (with Alexander Petkov), to appear in Journal de Mathématiques Pures et Appliquées, arXiv:1612.02406.**

цитирания - 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  $F4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>

**74 "A sub-Riemannian Bonnet-Myers theorem for quaternionic contact structures (with Davide Barilari), to appear in Calculus of Variations and PDE, arXiv:1703.04340.**

цитирания - 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*, Calc. Var. Partial Differential Equations to appear (2025).
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  $F4(-20)$* , Ann. Mat. Pura Appl., Annali di Matematica (2021), **200**, 2597-2630 (2021), <https://doi.org/10.1007/s10231-021-01093-7>

**75 "On the Strominger system and holomorphic deformations (with Luis Ugarte), J. Geom. Anal. (2019)**

цитирания - 2

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.
2. Sebastien Picard, Pei-Lin Wu, *Balanced and Aeppli Parameters for the Heterotic Moduli*, INTERNATIONAL JOURNAL OF MATHEMATICS, (2024), DOI:10.1142/S0129167X24420023.

- 76 "Non-symmetric Riemannian gravity and Sasaki-Einstein 5-manifolds"**(with Milan Zlatanovic), *Classical Quantum Gravity*, volume **37**, number **2**, 25002 (2020), <http://dx.doi.org/10.1088/1361-6382/ab5cc3>

цитирания - 3

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
3. Marko Stefanovic, Nenad Vesic, Dusan Simjanovic and Branislav Randjelovic, *Special Geometric Objects in Generalized Riemannian Spaces*, *Axioms* 2024, 13(7), 463; <https://doi.org/10.3390/axioms13070463>.

- 77 "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*, (2021), DOI: 10.1007/s13398-021-01053-z

цитирания - 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.
5. Rabia Cakan Akpınar and Esen Kemer Kansu, *Metallic deformation on para-Sasaki-like para-Norden manifold*, *AIMS Mathematics*, (2024) 9(7): 19125-19136; DOI: 10.3934/math.2024932.

- 78 "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.

- 79 "The Almost Schur Lemma in Quaternionic Contact Geometry"**, (with A. Petkov), *Rev. Real Acad. Cienc. Exactas Fis. Nat. Ser. A-Mat.* (2023) 117:77, <https://doi.org/10.1007/s13398-023-01403-z>

IF- 2.276 (2021).

цитирания - 1

1. Milovanovic, Gradimir V.; Mir, Abdullah, *On zeros of the regular power series of a quaternionic variable*, *Rev. R. Acad. Cienc. Exactas Fis. Nat. Ser. A Mat. RACSAM* 118 (2024), no.2, Paper No. 47, 16 pp.

- 80 "The Riemannian Bianchi identities of metric connections with skew torsion and generalized Ricci solitons"**, with (N. Stanchev), arXiv:2307.03986.

цитирания - 1

1. Giuseppe Barbaro, Francesco Pediconi, Nicoletta Tardini, *Pluriclosed manifolds with parallel Bismut torsion*, arXiv:2406.07039.

- 81 "The Riemannian curvature identities on almost Calabi-Yau with torsion 6-manifold and generalized Ricci solitons"**, with (N. Stanchev), (2024) *Annali di Matematica Pura ed Applicata (1923 -)*, DOI10.1007/s10231-024-01494-4, arXiv:2307.05001.

цитирания - 4

1. Beatrice Brienza, Anna Fino, Gueo Grantcharov, *CYT and SKT manifolds with parallel Bismut torsion*, November 2024, *Proceedings of the Royal Society of Edinburgh Section A Mathematics* DOI: 10.1017/prm.2024.115arXiv:2401.07800.
2. Vestislav Apostolov, Giuseppe Barbaro, Kuan-Hui Lee, Jeffrey Streets, *The classification of non-Kähler Calabi-Yau threefolds*, arXiv:2408.09648.
3. Georgios Papadopoulos, *Geometry and symmetries of Hermitian-Einstein and instanton connection moduli spaces*, (2025) *Journal of Geometry and Physics* DOI: 10.1016/j.geomphys.2025.105474

4. Anna Fino, Udhav Fowdar, *Some remarks on strong  $G_2$ -structures with torsion*, arXiv:2502.06066.
- 82 "The Riemannian curvature identities of a  $G_2$  connection with skew-symmetric torsion and generalized Ricci solitons"**, with (N.Stanchev), arXiv:2307.05619.  
цитування - 2
1. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled  $G_2$ -instantons*, arXiv:2404.12937.
  2. Anna Fino, Udhav Fowdar, *Some remarks on strong  $G_2$ -structures with torsion*, arXiv:2502.06066.
- 83 "The Riemannian curvature identities for the torsion connection on Spin(7)-manifold and generalized Ricci solitons"**, with (A. Petkov), arXiv:2307.06438.  
цитування - 1
1. Agnaldo A. da Silva Jr., Mario Garcia-Fernandez, Jason D. Lotay, Henrique N. Sa Earp, *Coupled  $G_2$ -instantons*, arXiv:2404.12937.
- 84 "Geometry of paraquaternionic contact structures"**, with (Marina Tchomakova and Simeon Zamkovoy), arXiv:2404.16713.
- 85 "Conformal paraquaternionic contact curvature and the local flatness theorem"**, with (Marina Tchomakova and Simeon Zamkovoy), to appear in **Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas**, arXiv:2404.16703.
- 86 "Li-Yau sub-gradient estimates and Perelman-type entropy formulas for the heat equation in quaternionic contact geometry"**, with (A. Petkov), arXiv:2405.14845.
- 87 "Twistor and Reflector spaces for paraquaternionic contact manifolds (with I. Minchev and M. Tchomakova)**, **Mathematics** 2024, 12, 3355. <https://doi.org/10.3390/math12213355>
- 88 Conformally flat Einstein-like 4-manifolds and conformally flat Riemannian 4-manifolds all of whose Jacobi operators have parallel eigenspaces along every geodesic (with I. Petrova)**, arXiv preprint [dg-ga/9702019](https://arxiv.org/abs/2402.12319)  
цитування - 4.
1. Novica Blazic, Neda Bokan, Peter Gilkey, Zoran Rakic, *Pseudo-Riemannian Ossermann Manifolds*, Balkan Journal of Geometry and Its Applications (BJGA) Vol. 2, No. 2, pp. 1-12 (1997).
  2. Zhang, Tan, *Manifolds with indefinite metrics whose skew-symmetric curvature operator has constant eigenvalues*, Steps in differential geometry (Debrecen, 2000), 401–407, Inst. Math. Inform., Debrecen, 2001.
  3. Tan Zhang, *Manifolds with indefinite metrics whose skew-symmetric curvature operator has constant eigenvalues*, A DISSERTATION Presented to the Department of Mathematics and the Graduate School of the University of Oregon in partial fulfillment of the requirements for the degree of Doctor of Philosophy, June 2000.  
[https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/150/Manifolds\\_with\\_indefinite\\_metrics.pdf?sequence=4](https://scholarsbank.uoregon.edu/xmlui/bitstream/handle/1794/150/Manifolds_with_indefinite_metrics.pdf?sequence=4)
  4. P. Gilkey, *Geometric properties of the curvature operator*, Geometry and Topology of Submanifolds X, eds. W.H. Chen et al. (pp. 62-70), 2000 World Scientific Publishing Co.
- 89. "Complex product structures on some simple Lie groups (with V. Tsanov)**, [math.DG/0405584](https://arxiv.org/abs/2405.04584).  
цитування - 5.
1. Fernando Etayo, Rafael Santamaria, *Connections functorially attached to almost complex product structures*, Houston J. Math. 35 (2009), no. 2, 411–434.
  2. Zamkovoy, Simeon *Geometry of paraquaternionic Kähler manifolds with torsion*, J. Geom. Phys. **57** (2006), 69–87.
  3. Angelo V. Caldarella, *On paraquaternionic submersions between paraquaternionic Kähler manifolds*, Acta Applicandae Mathematicae **112** (2010) (1), pp. 1-14.
  4. Varun Thakre, *Hypersymplectic manifolds and associated geometries*, arXiv:1901.05629.
  5. Adrian Andrada, Agustin Garrone, Alejandro Tolcachier, *Hypercomplex structures on special linear groups*, arXiv:2408.14715.

90. "Supersymmetric strings and special( $SU(3)$ ,  $G_2$ ,  $Spin(7)$ )-holonomy geometries XIV FallWorkshop on Geometry and Physics, 108–126, Publ. R. Soc. Mat.Esp., 10, R. Soc. Mat. Esp., Madrid, 2006.

91 "Locally conformal flat Riemannian manifolds with constant principal Ricci curvatures and locally conformal flat C-spaces" (with I.Petrova) , arXiv:dg-ga/9702009v1

*цитирования* - 1.

1. Huiya He Haizhong Li *Locally conformally flat manifolds with constant scalar curvature*, August 2018, Proceedings of the American Mathematical Society 146(12):1, DOI: 10.1090/proc/14148