

# Публикации и Цитирания (без автоцитати)

на Стефан Иванов

**Цитирания - 1881 в 1150 работи, h-index = 23;**

*g-index: (броят статии)<sup>2</sup> ≤ (броя на цитиранията им) = 40;*

**Сумарен Импакт Фактор: IF = 84,525**

10 юни 2021 г.

## Съдържание

<b>1 Публикации в първите 5% за годината на публикуване - 2:</b>	<b>1</b>
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## **1 Публикации в първите 5% за годината на публикуване - 2:**

*В категорията "Matematics" - 2:*

- Nonlinear Analysis: Theory - 2013, [61]
- Memoirs of the AMS - 2014, [M2]

## **2 Публикации в първите 10% за годината на публикуване - 9:**

*В категорията "Mathematics" - 5:*

- Journal of the European Mathematical Society - 2010, [44];
- Journal de Mathe'matiques Pures et Applique'es - 2010, [45];
- International Mathematics Research Notices IMRN - 2012, [55];
- Advances in Mathematics -2013, [58];
- Journal de Mathe'matiques Pures et Applique'es - 2018, [71].

*В категорията "Physics, Mathematical" - 1:*

- Communications in Mathematical Physics -2015, [67].

В категорията "Physics, Particles and Fields" - 1:

- J. High Energy Physics - 2014, [62].

В категорията "Physics, Multidisciplinary" - 2:

- Physics Letters B -2001, [23];
- Physics Letters B -2010, [51].

### 3 Монографии - IF - 1.727

- M1. 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.  
**цитирания - 35.**
- M2. "Quaternionic contact Einstein structures and quaternionic contact Yamabe problem (with I. Minchev and D. Vassilev), **Memoirs Amer. Math. Soc.** (2014), vol. 231, number 1086;  
IF - 1.727 **цитирания - 32.**

### 4 Обзорни Статии-Студии - IF - 1.125

- S1. "The Lichnerowicz and Obata first eigenvalue theorems and the Obata uniqueness result in the Yamabe problem on CR and quaternionic contact manifolds (with Dimitar Vassilev), **Nonlinear Analysis - Theory** 126 (2015), 262-323.  
IF - 1.125 **цитирания - 9.**

### 5 Публикации - IF - 81.673

0. On dual holomorphically projectively flat affine connections. **J. Geom.** 59 (1997), no. 1-2, 67-76.  
**цитирания - 2.**
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. Sofij, 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 - 34.**
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 **цитирования - 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, **цитирования - 14.**
9. "On the fundamental theorem for non-degenerate complex affine hypersurface immersions, **Monatshefte Mathematics** 123 (1997), 321-336.  
*IF*-0.326, **цитирования - 9.**
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, **цитирования - 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, **цитирования - 17.**
12. "Curvature properties of twistor spaces of quaternionic Kähler manifolds"(with B. Alexandrov and G. Grantcharov), **J. Geom.**, 62 (1998), 1-12.  
**цитирования - 43.**
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, **цитирования - 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, **цитирования - 23.**
15. "Hermitian structures on twistor spaces"(with V. Apostolov and G. Grantcharov), **Ann. Global Anal. Geom.**, 16 (1998), 291-308.  
*IF* - 0.542 **цитирования - 11.**
16. "Einstein-Weyl structures on certain compact conformal manifolds", **Quarterly J. Math. (Oxford)** (2), 50 (1999), 457-462.  
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17. "Dirac operators on Hermitian spin surfaces"(with B. Alexandrov) **Ann. Global Anal. Geom.**, 18 (2000), 529-539.  
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18. "Orthogonal complex structures on certain Riemannian 6-manifolds"(with V. Apostolov and G. Grantcharov), **Diff. Geom. Appl.**, 11 (1999) 279–296.  
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19. "Holomorphic and Killing vector fields on compact balanced Hermitian manifolds"(with G.Ganchev), **Int. J. Math.**, 11 (2000), 15-28.  
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20. "Harmonic and holomorphic 1-forms on compact balanced Hermitian manifold"(with G.Ganchev), **Diff. Geom. Appl.**, 14 (1) (2001), 79-93.  
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21. "Vanishing theorems on Hermitian manifolds"(with B. Alexandrov), **Diff. Geom. Appl.**, 14 (3) (2001), 251-265.  
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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, **цитирования** - 7.
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24. "Harmonic spinors of Dirac operator of connection with torsion in dimension 4"(with P.Dalakov), **Class. Quantum Grav.** 18 (2001), 253-265.  
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25. "Vanishing theorems and String Backgrounds"(with G.Papadopoulos), **Class. Quantum Grav.** 18 (2001), 1089-1110.  
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34. "On the geometry of closed  $G_2$ -structures"(with R. Cleyton), **Commun. Math. Phys.**, 270 (2007), 53-67.  
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35. "Para-Hermitian and Para-Quaternionic manifolds (with S. Zamkovoy), **Diff. Geom. Appl.**, 23 (2005), 205-234.  
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43. "Curvature decomposition of  $G_2$  manifolds"(with Richard Cleyton), **J. Geom. Phys** *58* (2008), 1429-1449.  
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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.  
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47. "Non-Kaehler Heterotic String Compactifications with non-zero fluxes and constant dilaton (with Marisa Ferna'ndez, Luis Ugarte and Raquel Villacampa), **Comm. Math. Phys.** *288* (2009), 677-697.  
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48. "Compact supersymmetric solutions of the heterotic equations of motion in dimensions 7 and 8 (with Marisa Ferna'ndez, Luis Ugarte and Raquel Villacampa), **Advances in Theoretical and Mathematical Physics**, *15* (2011), 245-284.  
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49. "Quaternionic contact manifolds with a closed fundamental 4-form (with Dimiter Vassilev), **Bull. London Math. Soc.** *42* (2010), 1021-1030.  
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51. "Heterotic supersymmetry, anomaly cancellation and equations of motion **Phys. Lett. B**, 685 (2010), 190-196.  
*IF* - 5.255, **цитирания** - 63.
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.  
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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** - 9.
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.  
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*IF* - 1.116, **цитирания** - 5.
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.  
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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.  
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60. "An Obata-type theorem on a three-dimensional CR manifold (with Dimiter Vassilev), **Glasgow Math. J.**, 56 (2014), 283-294.  
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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; <http://dx.doi.org/10.116/j.na.2013.07.011>; arXiv:1210.6932.  
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*IF* - 6.111 **цитирания** - 24
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.  
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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. (2016), DOI 10.1007/s10231-016-0571-x  
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*IF* - 0.716 **цитирования** - 8.
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** - 8.
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. (DOI) 10.1007/s00220-015-2397-6;  
*IF* - 2.375 **цитирования** - 5
68. "Connections on non-symmetric (generalized) Riemannian manifold and gravity (with Milan Zlatanovic), **Class. Quantum Grav.**, Volume 33, Number 7, 075016, (2016).  
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69. "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, DOI:10.2422/2036-2145.201702\_015.  
*IF* - 1.030 **цитирования** - 2.
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*IF* - 1.526 **цитирования** - 7.
73. "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  
*IF* - 0.924
74. "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>  
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75. "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  
*IF*-1.406 (2019)

## 6 Стефан Иванов-Цитируания

Book 1. **Extremals of the Sobolev inequality and the quaternionic contact Yamabe problem, (with D. Vassilev), World Scientific Publishing Co., Lecture Notes, 2011.**

цитируания - 35.

1. Diego Conti, Marisa Fernánde, 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, Jinggang 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
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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.
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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*, arXiv:1909.03532.
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
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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>
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