

LIST OF PUBLISHED PAPERS - 2018
Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences
Laboratory “Theory of Elementary Particles” (“TEP”)

| № | Publication | Correction coefficient | Percentage of “TEP” coauthors |
|----|--|------------------------|-------------------------------|
| 1 | 132. Nissimov, E., Pacheva, S., Guendelman, E. Cosmology via Metric-Independent Volume-Form Dynamics. Springer Proceedings in Physics: 2nd Karl Schwarzschild Meeting on Gravitational Physics, 208, Springer, 2018, ISSN:0930-8989 Международно академично издателство Линк | 1.000 | 66.67 |
| 2 | 139. Nissimov, E., Pacheva, S., Guendelman, E.. Quintessence in Multi-Measure Generalized Gravity Stabilized by Gauss-Bonnet/Inflaton Coupling. Bulgarian Journal of Physics, 45, Heron Press Ltd., Sofia, 2018, ISSN:1310-0157, 58-78 Международно академично издателство Линк | 1.000 | 66.67 |
| 3 | 140. Nissimov, E., Pacheva, S., Guendelman, E.. Wheeler-DeWitt Quantization of Gravity Models of Unified Dark Energy and Dark Matter. Springer Proceedings in Mathematics and Statistics: Quantum Theory and Symmetries with Lie Theory and Its Applications in Physics vol.2, 225, Springer, 2018, ISSN:2194-1009, DOI:https://doi.org/10.1007/978-981-13-2179-5_7, SJR:0.161 Без ISI IF – с SJR Линк | 1.000 | 66.67 |
| 4 | 141. Nissimov, E., Pacheva, S., Guendelman, E.. Quintessence, Unified Dark Energy and Dark Matter, and Confinement/Deconfinement Mechanism. 9th MATHEMATICAL PHYSICS MEETING: SUMMER SCHOOL AND CONFERENCE, Belgrade Institute of Physics Press, 2018, ISBN:978-86-82441-43-4 Международно академично издателство Линк | 1.000 | 66.67 |
| 5 | Alexander Ganchev. About Markov, Gibbs, ... Gauge Theory ... Finance. Springer Proceedings in Mathematics & Statistics, 263, Springer, 2018, ISBN:ISBN 978-981-13-2714-8, ISSN:ISSN 2194-1009, DOI:https://doi.org/10.1007/978-981-13-2715-5_28, 403-412 Друго | 1.000 | 0.00 |
| 6 | Anguelova, L, Suranyi, P, Wijewardhana, L.C.R.. Systematics of Constant Roll Inflation. JCAP, 02, 2018, DOI:10.1088/1475-7516/2018/02/004, 004. ISI IF:5.126 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 33.33 |
| 7 | Bozhilov, P.. Giant magnon-like solution in Sch ₅ x S ⁴ . Physical Review D, 98, 10, 2018, DOI:10.1103/PhysRevD.98.106005, 106005. ISI IF:4.394 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 50.00 |
| 8 | Bozhilov, P.. Some semiclassical structure constants for AdS ₄ x CP ³ . JHEP 1802 (2018) 110, 2018, DOI:10.1007/JHEP02, ISI IF:5.541 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 50.00 |
| 9 | Christova, E., Leader, E., Stoilov, M.. Consistency tests for the extraction of the Boer-Mulders and Sivers functions. Phys. Rev. D 97, 056018, D97, 5, APS, 2018, ISSN:2470-0010, DOI:10.1103/PhysRevD.97.056018, ISI IF:4.394 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 66.67 |
| 10 | Christova, E., Leader, E., Stoilov, M.. Tests for the extraction of the Boer-Mulders functions. Journal of Physics: Conference Series, Volume 938, conference 1, 012040, 938, conference 1, IoP, 2018, ISSN:1742-6588, DOI:10.1088/issn.1742-6596 Международно академично издателство | 1.000 | 66.67 |
| 11 | Daniela D. Doneva, Stella Kiorpelidi, Petya G. Nedkova, Eleftherios Papantonopoulos, Stoytcho S. Yazadjiev. Charged Gauss-Bonnet black holes with curvature induced scalarization in the extended scalar-tensor theories. Phys.Rev. D, 98, 2018, 104056. ISI IF:4.394 С ISI IF - оглавява ранглистата Линк | 1.000 | 20.00 |
| 12 | Daniela D. Doneva, Stoytcho S. Yazadjiev, Nikolaos Stergioulas, Kostas D. Kokkotas. Differentially rotating neutron stars in scalar-tensor theories of gravity. Phys. Rev. D, 98, 2018, 104039. ISI IF:4.394 С ISI IF - оглавява ранглистата Линк | 1.000 | 25.00 |
| 13 | Daniela D. Doneva, Stoytcho S. Yazadjiev. New Gauss-Bonnet Black Holes with Curvature-Induced Scalarization in Extended Scalar-Tensor Theories. Phys. Rev. Lett, 120, 2018, 131103. ISI IF:8.839 С ISI IF - оглавява ранглистата Линк | 1.000 | 50.00 |
| 14 | Daniela D. Doneva, Stoytcho S. Yazadjiev.. Neutron star solutions with curvature induced scalarization in the extended Gauss-Bonnet scalar-tensor theories. JCAP, 1804, 2018, 011. ISI IF:5.126 С ISI IF - оглавява ранглистата Линк | 1.000 | 50.00 |
| 15 | Dobrev, V.K.. Multiparameter Quantum Group and Quantum Minkowski Space-Time. Physics of Particles and Nuclei, 49, 5, Springer, 2018, ISSN:1063-7796, DOI:doi.org/10.1134/S1063779618050180, 818-822. ISI IF:0.786 С ISI IF - Q4 Линк | 1.000 | 100.00 |
| 16 | Dobrev, V.K.. Representations of Multiparameter Quantum Groups. Physics of Atomic Nuclei, 81, 6, Springer, 2018, ISSN:1063-7788, 792-797. ISI IF:0.524 С ISI IF - Q4 Линк | 1.000 | 100.00 |
| 17 | Dobrev, Vladimir K.. Invariant Differential Operators, Volume 3: Supersymmetry. De Gruyter Studies in Mathematical Physics, 49, De Gruyter, Berlin, Boston, 2018, ISBN:978-3-11-052-749-0, DOI:10.1515/9783110527490, 250 Реномирано международно | 1.000 | 100.00 |

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|------------------------|--|-------|--------|
| | издателство Линк | | |
| 18 | Hristov, Kiril , Hosseini, Seyed Morteza, Passias, Achilleas, Zaffaroni, Alberto. 6D attractors and black hole microstates. Journal of High Energy Physics, 12, 1, Springer Berlin Heidelberg, 2018, ISSN:1029-8479, DOI:https://doi.org/10.1007/JHEP12(2018)001, ISI IF:5.541 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 25.00 |
| 19 | Hristov, Kiril , Hosseini, Seyed Morteza, Zaffaroni, Alberto. A note on the entropy of rotating BPS AdS7 × S4 black holes. Journal of High Energy Physics, 5, 121, Springer Berlin Heidelberg, 2018, ISSN:1029-8479, DOI:1029-8479, ISI IF:5.541 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 33.33 |
| 20 | Hristov, Kiril , Katmadas, Stefanos, Toldo, Chiara. Rotating attractors and BPS black holes in AdS4. arXiv:1811.00292 [hep-th], 2018 В депозитна база (напр. arxiv) | 1.000 | 33.33 |
| 21 | Hristov, Kiril , Lodato, Ivano, Reys, Valentin. On the quantum entropy function in 4d gauged supergravity. Journal of High Energy Physics, 7, 72, Springer Berlin Heidelberg, 2018, ISSN:1029-8479, DOI:Springer Berlin Heidelberg, ISI IF:5.541 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 33.33 |
| 22 | Ivanov, B. V. . A conformally flat realistic anisotropic model for a compact star. Eur. Phys. J. C, 78, 4, Springer, 2018, ISSN:1434-6044, DOI:10.1140/epjc/s10052-018-5825-x, 332. ISI IF:5.172 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 100.00 |
| 23 | Lilia Anguelova , Peter Suranyi, L. C. Rohana Wijewardhana. On Non-slow Roll Inflationary Regimes. Springer Proc. Math. Stat., 255, 2018, DOI:10.1007/978-981-13-2179-5_11, 161-171. SJR:0.226 Без ISI IF – с SJR Линк | 1.000 | 33.33 |
| 24 | Marinov, K , Fiziev, P. Relation Between Dilatonic Pressure and Cosmological Pressure for Neutron Stars in Minimal Dilatonic Gravity. Springer Proceedings in Mathematics & Statistics, 255, 2, Springer, 2018, ISSN:2194-1009, DOI:10.1007/978-981-13-2179-5, 261-267. SJR:0.23 Без ISI IF – с SJR Линк | 1.000 | 50.00 |
| 25 | Stoilova, N.I. , Thierry-Mieg, J., Van der Jeugt, J.. On characters and superdimensions of some infinite-dimensional irreducible representations of osp(m n). Phys. Atom. Nucl. 81, № 6, 905-910 (2018), 2018, ISI IF:0.524 С ISI IF - Q3 Линк | 1.000 | 33.33 |
| 26 | Stoilova, N.I. , Thierry-Mieg, J., Van der Jeugt, J.. On characters and superdimensions of some infinite-dimensional irreducible representations of osp(m n). Springer Proceedings in Mathematics and Statistics 263 (2018), 165-176, 2018, SJR:0.23 Без ISI IF – с SJR Линк | 1.000 | 33.33 |
| 27 | Stoilova, N.I. , Van der Jeugt, J.. The $Z_2 \times Z_2$ -graded Lie superalgebra $psl(2m+1 2n)$ and new parastatistics representations. J. Phys. A: Math. Theor., 51, 2018, 135201. ISI IF:1.963 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 50.00 |
| 28 | Stoimenov, S. . Infinite-Dimensional Meta-conformal Symmetries: 1D Diffusion-Limited Erosion and Ballistic Transport in 1+2 Dimensions. Quantum Theory and Symmetries with Lie Theory and Its Applications in Physics, 263, 1, Springer Proceedings in Mathematics and Statistics, 2018, ISBN:978-981-2715-5, ISSN:2194-1009, DOI:10.1007/978-981-13-2715-5, 113-135. SJR:0.161 Без ISI IF – с SJR Линк | 1.000 | 0.00 |
| 29 | Todor Popov . Jordan Algebra and Hydrogen Atom. Quantum Theory and Symmetries with Lie Theory and Its Applications in Physics, 1, Springer, Singapore, 2018, ISBN:https://doi.org/10.1007/978-981-13-2715-5_13, DOI:https://doi.org/10.1007/978-981-13-2715-5_13, 231-244 Друго Линк | 1.000 | 100.00 |
| 30 | Tonev, D , Goutev, N, Asova, G, Artinyan, A, Demerdjiev, A, Georgiev, L.S, Yavahchova, M, Bashev, V, Genchev, S.G, Geleva, E, Mincheva, M, Nikolov, A, Dimitrov, D.T. National cyclotron centre at the Institute for Nuclear Research and Nuclear Energy. Journal of Physics: Conference Series, 1023, 1, IOP Publishing, 2018, ISSN:1742-6596, DOI:10.1088/1742-6596/1023/1/012035, 012035. SJR:0.241 Без ISI IF – с SJR Линк | 1.000 | 92.31 |
| 31 | Furlan, P., Petkova, .V.B. . On some Coulomb gas integrals in higher dimensions, arxiv:1806.03270. 2018 В депозитна база (напр. arxiv) | 1.000 | 50.00 |
| 32 | Jose Luis Blázquez-Salcedo, Daniela D. Doneva , Jutta Kunz, Kalin V. Staykov, Stoytcho S. Yazadjiev. Axial quasinormal modes of neutron stars in R^2 gravity. Phys. Rev. D, 98, 2018, 104047. ISI IF:4.394 С ISI IF - оглавява ранглистата Линк | 1.000 | 20.00 |
| 33 | Jose Luis Blázquez-Salcedo, Daniela D. Doneva , Jutta Kunz, Stoytcho S. Yazadjiev. Radial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. Phys. Rev. D, 98, 2018, 084011. ISI IF:4.394 С ISI IF - оглавява ранглистата Линк | 1.000 | 25.00 |
| 34 | Kalin V. Staykov, Dimitar Popchev, Daniela D. Doneva , Stoytcho S. Yazadjiev. Static and slowly rotating neutron stars in scalar-tensor theory with self-interacting massive scalar field. Eur.Phys.J. C, 78, 2018, 586. ISI IF:5.172 С ISI IF - оглавява ранглистата Линк | 1.000 | 25.00 |
| 35 | Stoytcho S. Yazadjiev, Daniela D. Doneva , Kostas D. Kokkotas. Tidal Love numbers of neutron stars in $f(R)$ gravity. Eur.Phys.J. C, 78, 2018, 818. ISI IF:5.172 С ISI IF - оглавява ранглистата Линк | 1.000 | 33.33 |
| Коригиран брой: 35.000 | | | |

PAPERS PENDING PUBLICATION

| № | Публикация | Коригиращ Коефициент | Процент автори от звеното |
|----|---|----------------------|---------------------------|
| 1 | 142. Nissimov, E., Pacheva, S., Guendelman, E.. Confinement/Deconfinement and Gravity-Assisted Emergent Higgs Mechanism in Quintessential Cosmological Model. Jacob Bekenstein Memorial Volume, World Scientific, 2019 Международно академично издателство Линк | 1.000 | 66.67 |
| 2 | 143. Nissimov, E., Doneva, D., Guendelman, E., Barack L., Cardoso V., et.al.. Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, IOPscience, 2019, ISSN:0264-9381, ISI IF:3.283 С ISI IF - Q1, не оглавява ранглистата Линк | 1.000 | 0.99 |
| 3 | 144. Nissimov, E., Pacheva, S., Guendelman, E.. Modified Gravity and Inflation Assisted Dynamical Generation of Charge Confinement and Electroweak Symmetry Breaking in Cosmology. AIP Conference Proceedings: 10th Jubilee Conference of Balkan Physical Union, American Institute of Physics, 2019, ISSN:0094-243X Без ISI IF и без SJR – индексирано в WoS или Scopus Линк | 1.000 | 66.67 |
| 4 | 145. Nissimov, E., Pacheva, S., Guendelman, E.. Gauss-Bonnet Gravity in D=4 Without Gauss-Bonnet Coupling to Matter - Cosmological Implications. Modern Physics Letters A, 34, 1, World Scientific, 2019, ISSN:0217-7323, ISI IF:1.308 С ISI IF - Q2 Линк | 1.000 | 66.67 |
| 5 | 146. Nissimov E., Pacheva, S., Guendelman, E.. Four-Dimensional Gauss-Bonnet Gravity Without Gauss-Bonnet Coupling to Matter – Spherically Symmetric Solutions, Domain Walls and Spacetime Singularities. Bulgarian Journal of Physics, 46, 1, Heron Press, 2019 Международно академично издателство Линк | 1.000 | 66.67 |
| 6 | Hadjiivanov, L. Neutrino, parity violation, V-A: a historical survey. 2019 В депозитна база (напр. arXiv) Линк | 1.000 | 100.00 |
| 7 | Todor Попов. A Jordan Algebra for Hydrogen Atom and Space-Time Symmetries. AIP Conference Proceedings: 10th Jubilee Conference of Balkan Physical Union, American Institute of Physics, 2019 Без ISI IF и без SJR – индексирано в WoS или Scopus | 1.000 | 100.00 |
| 8 | Boyka Aneva, Assen Kyuldjiev. Young Physicists' Tournament and Regional Cooperation. AIP Conference Proceedings, American Institute of Physics, приета за печат: 2018, SJR:0.165 Без ISI IF – с SJR Линк | 1.000 | 100.00 |
| 9 | Doneva, D., Yazadjiev, S., Kokkotas, K., Sotiriou, T., Pappas, G.. Multipole moments and universal relations for scalarized neutron stars. arXiv:1812.01117 [gr-qc], приета за печат: 2018 В депозитна база (напр. arXiv) Линк | 1.000 | 0.00 |
| 10 | Doneva, D., Yazadjiev, S., Popchev, D., Staykov, K.. Moment of inertia - mass universal relations for neutron stars in scalar-tensor theory with self-interacting massive scalar field. arXiv:1812.00347 [gr-qc], приета за печат: 2018 В депозитна база (напр. arXiv) Линк | 1.000 | 0.00 |
| 11 | Doneva, D. Quasinormal modes of compact objects in alternative theories of gravity. arXiv:1810.09432 [gr-qc], приета за печат: 2018 В депозитна база (напр. arXiv) Линк | 1.000 | 0.00 |
| 12 | E. Christova, E. Leader, M. Stoilov. Boer–Mulders Functions— A Test of the Assumptions Made in Their Determination. AIP Conference Proceedings, AIP, приета за печат: 2018 Международно академично издателство | 1.000 | 66.67 |
| 13 | Lilia Anguelova, Elena Mirela Babalic, Calin Iuliu Lazaroiu. Two-field Cosmological alpha-attractors with Noether Symmetry. arXiv:1809.10563 [hep-th], приета за печат: 2018 В депозитна база (напр. arXiv) Линк | 1.000 | 33.33 |
| 14 | Stoilova, N.I., Van der Jeugt, J.. Clebsch-Gordan Coefficients for Covariant Representations of the Lie Superalgebra $gl(n n)$ in Odd Gelfand-Zetlin Basis. AIP Conference Proceedings, приета за печат: 2018, SJR:0.16 Без ISI IF – с SJR Линк | 1.000 | 50.00 |
| 15 | Stoimenov, S.. Construction of meta-conformal algebra in d spatial dimensions. AIP Conference Proceedings: 10th Jubilee Conference of Balkan Physical Union, American Institute of Physics, приета за печат: 2018, SJR:0.165 Без ISI IF – с SJR Линк | 1.000 | 100.00 |
| 16 | Stoimenov, S.. Infinite-dimensional meta-conformal Lie algebras in one and two spatial dimensions. arXiv: 1810.09855, приета за печат: 2018 Международно неакадемично издателство | 1.000 | 0.00 |

Коригиран брой: 16.000