

LIST OF PUBLISHED PAPERS - 2019
Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences

Laboratory “Theory of Elementary Particles” (“ТЕР”)

№	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, ISBN:978-981-12-0395-4, DOI:https://doi.org/10.1142/11373, 259-270 Международно академично издателство (Web of Science) 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, 36, 14, IOPscience, 2019, ISSN:0264-9381, 143001. ISI IF:3.283 Q1, не оглавява ранглистата (Web of Science) Линк	0.020	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, 2075, American Institute of Physics, 2019, ISSN:0094-243X, 090030. SJR:0.165 SJR, непопадащ в Q категория (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 Q2 (Web of Science) 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, 2, Heron Press, 2019 Международно академично издателство (Web of Science) Линк	1.000	66.67
6	147. Nissimov, E., Pacheva, S., Guendelman, E., Kaganovich, A., Benisty, D.. Modified Gravity Theories Based on the Non-Canonical Volume-Form Formalism. Springer Proceedings in Mathematics and Statistics, Springer, 2019, SJR:0.161 SJR, непопадащ в Q категория (Scopus) Линк	1.000	40.00
7	148. Nissimov, E., Pacheva, S., Guendelman, E., Benisty, D.. Dynamically Generated Inflation from Non-Riemannian Volume Forms. European Physical Journal C, 79, Springer, 2019, DOI:https://doi.org/10.1140/epjc/s10052-019-7310-6, 806. ISI IF:4.843 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
8	Boyka Aneva, Assen Kyuldjiev. Young Physicists' Tournament and Regional Cooperation. AIP Conference Proceedings, 2075, American Institute of Physics, 2019, 180010-1-180010-5. SJR (Scopus):0.165 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
9	D. Doneva, S. Staykov, Stoytcho S. Yazadjiev. Gauss-Bonnet black holes with a massive scalar field. Phys.Rev. D99 (2019) no.10, 104045., 2019, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата Линк	1.000	0.00
10	D. Doneva, Stoytcho S. Yazadjiev. Dark compact objects in massive tensor-multi-scalar theories of gravity. Phys. Rev. D, 2019, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата Линк	1.000	50.00
11	D. Doneva, Stoytcho S. Yazadjiev. Mixed configurations of tensor-multi-scalar solitons and neutron stars. Phys.Rev. D101 (2020) no.2, 024009., 2019, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата Линк	1.000	50.00
12	Dobrev, V.K., Marrani, A. Jordan Algebraic Interpretation of Maximal Parabolic Subalgebras : Exceptional Lie Algebras. J. Phys. A Math. Theor., IOP, 2019, ISSN:1751-8113, DOI:10.1088/1751-8121/ab5f84, JCR-IF (Web of Science):2.11 Q2 (Web of Science) Линк	1.000	0.00
13	Dobrev, V.K. Multiplet Classification of Reducible Verma Modules over the \mathfrak{sl}_2 Algebra. J. Phys.: Conf. Ser., 1194, IOP, 2019, ISSN:ISSN 17426588, DOI:10.1088/1742-6596/1194/1/012027, 012027. SJR (Scopus):0.22 SJR, непопадащ в Q категория (Scopus) Линк	1.000	0.00
14	Dobrev, Vladimir K. Invariant Differential Operators, Volume 4: AdS/CFT, (Super-)Virasoro and Affine (Super-)Algebras.. De Gruyter Studies in Mathematical Physics, 53, De Gruyter, Berlin, Boston, 2019, ISBN:ISBN-10: 3110609681, 234 Реномирано международно издателство Линк	1.000	100.00
15	Doneva, D., Jose L. Blázquez-Salcedo et al. Quasinormal modes of compact objects in alternative theories of gravity. arXiv:1810.09432 [gr-qc], Eur.Phys.J.Plus 134 (2019) no.1, 46., 2019, JCR-IF (Web of Science):2.612 Q1, не оглавява ранглистата (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	12.50

16	Doneva, D. , Pappas, G.. Universal Relations and Alternative Gravity Theories. Invited chapter of the book "Physics and Astrophysics of Neutron Stars", NewCompStar COST Action 1304, 2019 Международно академично издателство Линк	1.000	50.00
17	Doneva, D. , Yazadjiev, S., Kokkotas, K., Sotiriou, T., Pappas, G.. Multipole moments and universal relations for scalarized neutron stars. arXiv:1812.01117 [gr-qc], Phys.Rev. D99 (2019) no.10, 104014., 2019, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	20.00
18	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], Eur.Phys.J. C79 (2019) no.2, 178., 2019, JCR-IF (Web of Science):4.843 Q1 - оглавява ранглистата (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	25.00
19	E. Christova , E. Leader, M. Stoilov . Boer–Mulders Functions— A Test of the Assumptions Made in Their Determination. AIP Conference Proceedings, 2075, 1, AIP, 2019, ISBN:978-0-7354-1803-5, DOI:https://doi.org/10.1063/1.5091204, 080003. SJR (Scopus):0.16 SJR, непопадащ в Q категория (Scopus) Линк	1.000	66.67
20	Ganchev, Alexander . On bulk/boundary duality and deep networks. AIP Conference Proceedings, 2075, AIP, 2019, ISBN:978-0-7354-1803-5, DOI:doi.org/10.1063/1.5091246, 100002. SJR (Scopus):0.16 Друго (Scopus) Линк	1.000	100.00
21	Hristov, Kiril , Bobev, Nikolay, Gautason, Fridrik Freyr. Holographic dual of the Omega-background. Physical Review D, 100, 2, American Physical Society, 2019, ISSN:2470-0029, DOI:10.1103/PhysRevD.100.021901, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата (Web of Science) Линк	1.000	0.00
22	Hristov, Kiril , Hosseini, Seyed Morteza, Zaffaroni, Alberto. Gluing gravitational blocks for AdS black holes. Journal of High Energy Physics, 12, 168, Springer Berlin Heidelberg, 2019, ISSN:1029-8479, DOI:10.1007/JHEP12(2019)168, JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	0.00
23	Hristov, Kiril , Hosseini, Seyed Morteza, Zaffaroni, Alberto. Microstates of rotating AdS5 strings. Journal of High Energy Physics, 19, 90, Springer Berlin Heidelberg, 2019, ISSN:1029-8479, DOI:10.1007/JHEP11(2019)090, JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	0.00
24	Hristov, Kiril , Katmadas, Stefanos, Toldo, Chiara. Matter-coupled supersymmetric Kerr-Newman-AdS4 black holes. Physical Review D, 100, 6, American Physical Society, 2019, ISSN:2470-0029, DOI:10.1103/PhysRevD.100.066016, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата (Web of Science) Линк	1.000	33.33
25	Hristov, Kiril , Katmadas, Stefanos, Toldo, Chiara. Rotating attractors and BPS black holes in AdS4. Journal of High Energy Physics, 1, 199, Springer Berlin Heidelberg, 2019, ISSN:1029-8479, DOI:10.1007/JHEP01(2019)199, JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
26	Hristov, Kiril , Lodato, Ivano, Reys, Valentin. One-loop determinants for black holes in 4d gauged supergravity. Journal of High Energy Physics, 11, 105, Springer Berlin Heidelberg, 2019, ISSN:1029-8479, DOI:10.1007/JHEP11(2019)105, JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	0.00
27	Ivanov, B. V. . Generating solutions for charged geodesic anisotropic spherical collapse with shear and heat. Eur. Phys. J. C, 79, 3, Springer, 2019, ISSN:1434-6044, DOI:10.1140/epjc/s10052-019-6772-x, 255. ISI IF:4.843 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
28	Ivanov, B. V. . On general spherical fluid collapse. Eur. Phys. J. C 79 (2019) 520, 79, 6, Springer, 2019, ISSN:ISSN 1434-6044, DOI:10.1140/epjc/s10052-019-7039-2, 520. ISI IF:4.843 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
29	Lilia Anguelova , Elena Mirela Babalic, Calin Iuliu Lazaroiu. Hidden symmetries of two-field cosmological models. JHEP, 09, 2019, 007. JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата Линк	1.000	0.00
30	Lilia Anguelova , Elena Mirela Babalic, Calin Iuliu Lazaroiu. Two-field Cosmological alpha-attractors with Noether Symmetry. JHEP, 04, 2019, 148. JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата Линк	1.000	33.33
31	Lilia Anguelova . On two-field inflationary α -attractors with Noether symmetry. AIP Conference Proceedings, 2075, 2019, 090023. SJR (Scopus):0.182 SJR, непопадащ в Q категория Линк	1.000	0.00
32	Nikolov, N.M. . Semi-Differential Operators and the Algebra of Operator Product Expansion of Quantum Fields. arXiv:1911.01412, 2019 В депозитна база (напр. arXiv) Линк	1.000	0.00
33	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, 2075, 2019, DOI:https://doi.org/10.1063/1.5091236, 090022-090022-8. SJR (Scopus):0.16 SJR, непопадащ в Q категория (Scopus) Линк	1.000	50.00
34	Stoilova, N.I. , Van der Jeugt, J.. Parabosons, parafermions and representations of $Z_2 \times Z_2$ -graded Lie superalgebras. J. Phys.: Conf. Ser., 1194, 2019, SJR (Scopus):0.22 Q3 (Scopus) Линк	1.000	50.00
35	Stoilova, N.I. , Van der Jeugt, J.. Representations of the Lie superalgebra $\mathcal{B}(\infty, \infty)$ and parastatistics Fock spaces. J. Phys. A: Math. Theor., 52, 13, IOPscience, 2019, DOI:https://doi.org/10.1088/1751-8121/ab09bc, 135201. JCR-IF (Web of	1.000	50.00

	Science):2.11 Q1, не оглавява ранглистата (Web of Science) Линк		
36	Stoimenov, S. . Construction of meta-conformal algebra in d spatial dimensions. AIP Conference Proceedings: 10th Jubilee Conference of Balkan Physical Union, 2019, American Institute of Physics, 2019, 090026. SJR (Scopus):0.165 SJR, непопадац в Q категория (Scopus) Линк	1.000	100.00
37	Stoimenov, S. . Infinite-dimensional meta-conformal Lie algebras in one and two spatial dimensions. Journal of Statistical Mechanics: Theory and Experiment, 2019, 8, IOP Publishing, 2019, DOI:10.1088/1742-5468/ab3282, 084009. JCR-IF (Web of Science):2.371 Международно академично издателство (Web of Science) Линк	1.000	100.00
38	Todor Popov . 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, SJR:0.165 SJR, непопадац в Q категория (Scopus) Линк	1.000	100.00
39	Zahra Altaha Motahar , Jose Luis Blázquez-Salcedo, Daniela D. Doneva , Jutta Kunz, Stoytcho S. Yazadjiev. Axial quasinormal modes of scalarized neutron stars with massive self-interacting scalar field. Phys.Rev. D99 (2019) no.10, 104006., 2019, JCR-IF (Web of Science):4.368 Q1 - оглавява ранглистата Линк	1.000	20.00
40	Isaac, P. S., Stoilova, N.I. , Van der Jeugt, J.. The $Z_2 \times Z_2$ -graded general linear Lie superalgebra. arXiv:1912.08636, 2019 В депозитна база (напр. arxiv) Линк	1.000	33.33
41	Kalin V. Staykov, D.Doneva , Stoytcho S. Yazadjiev. Orbital and epicyclic frequencies in massive scalar-tensor theory with self-interaction. Astrophys.Space Sci. 364 (2019) no.10, 178., 2019, JCR-IF (Web of Science):1.885 Q3 Линк	1.000	33.33
42	Kostov, I., Petkova, V.B. , Serban, D.. Determinant formula for the octagon form factor in $N = 4$ SYM. Phys. Rev. Lett., 122, 231601, 2019, DOI:DOI: 10.1103/PhysRevLett.122.231601, JCR-IF (Web of Science):9.227 Q1 - оглавява ранглистата Линк	1.000	33.33
43	Kostov, I., Petkova, V.B. , Serban, D.. The Octagon as a Determinant. JHEP, 11, 2019, DOI:DOI: 10.1007/JHEP11(2019)178, 178. JCR-IF (Web of Science):5.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
44	Leader, E., Christova, E. , Stoilov, M. , Stozik-Kotlorz, D.. Re-assessment of the nucleon Boer-Mulders function. PoS, 352, Sissa Medialab, 2019, DOI:DOI: https://doi.org/10.22323/1.352.0182 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	0.00
45	149. Nissimov, E, Pacheva, S. , Benisty, D., Guendelman, E.. Dynamically Generated Inflationary Two-Field Potential via Non-Riemannian Volume Forms. Nuclear Physics B, 951, Elsevier, 2020, ISSN:0550-3213, DOI:https://doi.org/10.1016/j.nuclphysb.2019.114907, 114907. JCR-IF (Web of Science):3.185 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
46	150. Nissimov, E., Pacheva, S. , Benisty, D., Guendelman, E.. Non-Riemannian Volume Elements Dynamically Generate Inflation. Proceedings "10th Meeting in Mathematical Physics", Belgrade 2019, 2020 Международно академично издателство (Scopus) Линк	1.000	50.00
47	Ganchev, A. Teaching Category Theory to Undergraduates. Трудове на 49та Пролетна конференция на Съюза на Математиците в България, 2020 Друго	1.000	0.00
Коригиран брой: 46.020			

LIST OF PAPERS ACCEPTED FOR PUBLICATION - 2019

№	Публикация	Коригирац Коефициент	Процент автори от звеното
1	Dobrev, V.K. . On Reducible Verma Modules over Jacobi Algebra., приета за печат: 2019 В депозитна база (напр. arxiv) Линк	1.000	0.00
2	Dobrev, V.K. . Parabolic Verma Modules and Invariant Differential Operators., приета за печат: 2019 В депозитна база (напр. arxiv) Линк	1.000	100.00
3	Lilia Anguelova , Elena Mirela Babalic, Calin Iuliu Lazaroiu. Noether Symmetries of Two-Field Cosmological Models. arXiv:1910.08441, приета за печат: 2019 В депозитна база (напр. arxiv) Линк	1.000	0.00
4	Nikolov, N.M. . Vertex algebras and renormalization. Springer Proceedings in Mathematics & Statistics, 314, Springer, приета за печат: 2019, ISBN:978-3-030-37030-5, DOI:10.1007/978-3-030-37031-2_12, SJR (Scopus):0.206 SJR, непопадац в Q категория (Scopus) Линк	1.000	100.00

5	Todor Popov. Quantum Diagonal Algebra and Pseudo-Plactic Algebra. приета за печат: 2019 Без JCR или SJR – индексирани в WoS или Scopus Линк	1.000	0.00
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