List of publications in peer reviewed Journals
Bijan Saha

Last updated September 20, 2022

Journal Publications

[1] Bijan Saha:
Time-dependent Spinor field in a static cylindrically symmetric space-time
The European Physical Journal Plus **137** 1063 (2022)
DOI 10.1140/epjp/s13360-022-03275-5 [Impact Factor: 2.24]
ArXiv: 2205.02603 [gr-qc] (2022)

[2] Bijan Saha:
Static spherically symmetric space-time: some remarks
Romanian Journal of Physics **66**, 113 (11 pages) (2021)
ArXiv: 2008.13058 [gr-qc] (2020)

[3] Bijan Saha:
Spinors in cylindrically symmetric space-time
Universe **6**, 152 (2020)
DOI:10.3390/universe6090152
ArXiv: 2008.02062 [gr-qc] (2020)

[4] Bijan Saha:
Non-minimally coupled nonlinear spinor field in FRW cosmology
Astrophysics and Space Science **365** 68 (2020)
DOI: 10.1007/s10509-020-03780-y [Impact Factor: 2.263]
ArXiv: 1908.05109 [gr-qc] (2019)

[5] Bijan Saha:
Interacting self-consistent system of spinor and gravitational fields
International Journal of Modern Physics A **35** 2040047 (2020)
DOI: 10.1142/S0217751X20400473 [Impact Factor: 1.699]

[6] K.A. Bronnikov, Yu.P. Rybakov, and Bijan Saha:
Spinor fields in spherical symmetry: Einstein-Dirac and other space-times
The European Physical Journal Plus **135** 124 (2020)
DOI 10.1140/epjp/s13360-020-00150-z [Impact Factor: 2.24]
ArXiv: 1909.04789 [gr-qc] (2019)

[7] Bijan Saha:
Non-minimally coupled nonlinear spinor field in Bianchi type-I cosmology

The European Physical Journal Plus **134** 491 (2019)
DOI 10.1140/epjp/i2019-12859-7 [Impact Factor: 2.24]
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[8] Yuri P. Rybakov and Bijan Saha:
Surface Electromagnetic TM Waves along the Boundary between Two Nonlinear Anisotropic Dielectrics
Journal of Mechanics of Continua and Mathematical Sciences. Special Issue, 429 - 437 (2019)
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The European Physical Journal Plus **133** 461 (8 pages) (2018)
DOI 10.1140/epjp/i2018-12273-9 [Impact Factor: 2.24]
ArXiv: 1806.09151 [gr-qc] (2018)

[10] Bijan Saha:
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Canadian Journal of Physics **96** 1074 - 1084 (2018)
DOI 10.1139/cjp-2017-0711 [Impact Factor: 0.964]
ArXiv: 1705.07773 [gr-qc] (2017)

[11] Bijan Saha:
Spinor field nonlinearity and space-time geometry
Нелинейность спинорного поля и геометрия пространства-времени
Physics of Particles and Nuclei **49**(2), 146 - 212 (2018)
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Nonlinear spinor field in non-diagonal Bianchi type space-time
EPJ Web of Conferences **173** 02018 (4 pages) (2018)
DOI 10.1051/epjconf/201817302018

[13] Bijan Saha:
Bianchi type-VIII spinor solutions
The European Physical Journal Plus **132** 547 (12 pages) (2017)
DOI 10.1140/epjp/i2017-11830-0 [Impact Factor: 2.24]

[14] Bijan Saha and Victor S Rikhvitsky:
Nonlinear Spinor Fields in LRS Bianchi type-I space-time: Theory and observation
Gravitation & Cosmology **23** 329 - 336 (2017)
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[15] Bijan Saha:
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DOI 10.1140/epjp/i2016-16242-0 [Impact Factor: 2.24]
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Spinor Field with Polynomial Nonlinearity in LRS Bianchi type-I space-time
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Interacting Scalar and Electromagnetic Fields in $f(R, T)$ Theory of Gravity
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[22] Farook Rahman, Anirudh Pradhan, Nasr Ahmed, Saibal Ray, Bijan Saha and Moshiur Rahman:
Fluid Sphere: Stability Problem and Dimensional Constraint

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[23] Anirudh Pradhan and Bijan Saha:
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Physics of Particles and Nuclei **46**(3) 310 - 346 (2015)
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[29] Victor Rikhvitsky, Bijan Saha and Mihai Visinescu:
Magnetic Bianchi type II string cosmological model in loop quantum cosmology
Astrophysics and Space Science **352** 255 - 261 (2014)

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