Umananda Dev Goswami

List of Publications by Year
in descending order

41	320	840776 11	888059 17
papers	citations	h-index	g-index

41	41	41	292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gravitational waves in $$mathbf {f(R)}$$ gravity power law model. Indian Journal of Physics, 2022, 96, 637-646.	1.8	16
2	Signature of anomalous Andreev bound states in magnetic Josephson junction of noncentrosymmetric superconductor on a topological insulator. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 135, 114967.	2.7	4
3	Cosmology with a new f(R) gravity model in Palatini formalism. International Journal of Modern Physics D, 2022, 31, .	2.1	9
4	Radial oscillations and gravitational wave echoes of strange stars with nonvanishing lambda. Astroparticle Physics, 2022, 143, 102744.	4.3	5
5	Quasinormal modes and Hawking radiation sparsity of GUP corrected black holes in bumblebee gravity with topological defects. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	5.4	24
6	Radial oscillations and gravitational wave echoes of strange stars for various equations of state. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1557-1568.	4.4	14
7	Large-scale cosmic ray anisotropy measured by the GRAPES-3 experiment. , 2021, , .		1
8	Cosmic ray energy spectrum and composition measurements from the GRAPES-3 experiment: Latest results. , 2021, , .		3
9	Search for gamma rays above 30 TeV from the Crab Nebula with the GRAPES-3 experiment. , 2021, , .		0
10	Zenith angle dependence of pressure effect in GRAPES-3 muon telescope. , 2021, , .		0
11	A study of the Moon shadow by using GRAPES-3 muon telescope. , 2021, , .		0
12	An Advanced Triggerless Data Acquisition System for GRAPES-3 Muon Detector. , 2021, , .		0
13	Measurement of large angle muon flux in GRAPES-3 experiment using triggerless DAQ system. , 2021, , .		0
14	The azimuthal distribution of thunderstorm events recorded by the GRAPES-3 experiment. , 2021, , .		0
15	Measurement of the improved angular resolution of GRAPES-3 EAS array by the observation of the Moon shadow. , 2021, , .		0
16	Vetoing the high energy showers in the GRAPES-3 experiment whose cores lie outside the array. , 2021, , .		0
17	An extensive study for correcting the nonlinear particle density measured by GRAPES-3 scintillator detectors. , 2021, , .		0
18	Characterizing the isotropic diffuse gamma-ray flux (10-300 TeV) by the GRAPES-3 experiment. , 2021, , .		0

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19	Quasinormal modes of black holes with non-linear-electrodynamic sources in Rastall gravity. Physics of the Dark Universe, 2021, 33, 100860.	4.9	28
20	Scalarons mimicking dark matter in the Huâ€“Sawicki model of f(Râ€Š) gravity. Modern Physics Letters A, 2021, 36, .	1.2	10
21	Spin transport and Spin Tunnelling Magneto-Resistance (STMR) of F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si54.svg"><mml:mrow><mml:mo stretchy="true">|</mml:mo></mml:mrow></mml:math>NCSC<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si55.svg"><mml:mrow><mml:mo stretchy="true">|</mml:mo></mml:mrow></mml:math>F spin valve. Journal of Magnetism and Magnetic Materials, 2020, 495, 165844.	2.3	6
22	A new f(R) gravity model and properties of gravitational waves in it. European Physical Journal C, 2020, 80, 1.	3.9	32
23	Supersymmetric hybrid inflation with non-minimal coupling to gravity. European Physical Journal Plus, 2020, 135, 1.	2.6	3
24	Effect of Rashba spinâ€“orbit coupling, magnetization, and mixing of gap parameter on tunneling conductance in Fâ£NCSC junction of an Fâ£NCSCâ£F spin valve. Superconductor Science and Technology, 2019, 32, 085004.	3.5	5
25	A simulation study on few parameters of Cherenkov photons in extensive air showers of different primaries incident at various zenith angles over a high altitude observation level. Astroparticle Physics, 2018, 100, 38-53.	4.3	4
26	Current induced magnetization dynamics and magnetization switching in superconducting ferromagnetic hybrid (F|S|F) structures. Journal of Applied Physics, 2016, 120, .	2.5	5
27	Shear dynamics in higher dimensional FLRW cosmology. Astrophysics and Space Science, 2015, 360, 1.	1.4	6
28	Lateral density and arrival time distributions of Cherenkov photons in extensive air showers: A simulation study. Astroparticle Physics, 2015, 68, 16-26.	4.3	7
29	Study on caustic formation in Dirac-Born-Infeld type scalar field systems. Journal of Physics: Conference Series, 2014, 484, 012059.	0.4	0
30	Primeval acceleration and bounce conditions within induced gravity. Gravitation and Cosmology, 2014, 20, 55-66.	1.1	0
31	f(R) gravity cosmology in scalar degree of freedom. Journal of Physics: Conference Series, 2014, 481, 012009.	0.4	0
32	COSMOLOGICAL DYNAMICS OF f(R) GRAVITY SCALAR DEGREE OF FREEDOM IN EINSTEIN FRAME. International Journal of Modern Physics D, 2013, 22, 1350083.	2.1	15
33	Anharmonic vibrations in pulsating stars. Indian Journal of Physics, 2012, 86, 849-853.	1.8	1
34	The angular resolution of the GRAPES-3 array from the shadows of the Moon and the Sun. Astroparticle Physics, 2010, 33, 97-107.	4.3	15
35	Formation of caustics in Dirac-Born-Infeld type scalar field systems. Physical Review D, 2010, 82, .	4.7	11
36	Measurement of some EAS properties using new scintillator detectors developed for the GRAPES-3 experiment. Astroparticle Physics, 2009, 31, 24-36.	4.3	29

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37	The current status of the GRAPES-3 extensive air shower experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 153-158.	0.4	16
38	Forbush decreases and turbulence levels at coronal mass ejection fronts. Astronomy and Astrophysics, 2009, 494, 1107-1118.	5.1	45
39	Charmed hadron production in pp collision. Astroparticle Physics, 2007, 28, 251-261.	4.3	4
40	Reanalysis of GU miniarray data using CORSIKA. Astroparticle Physics, 2005, 22, 421-429.	4.3	2
41	Search for Higgs Boson in UHE Cosmic Rays. European Physical Journal D, 2005, 55, 657-672.	0.4	0