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	Forbush decreases and turbulence levels at coronal mass ejection fronts. Astronomy and Astrophysics, 2009, 494, 1107-1118.	5.1	45
2	A new f(R) gravity model and properties of gravitational waves in it. European Physical Journal C, 2020, 80, 1.	3.9	32
3	Measurement of some EAS properties using new scintillator detectors developed for the GRAPES-3 experiment. Astroparticle Physics, 2009, 31, 24-36.	4.3	29
4	Quasinormal modes of black holes with non-linear-electrodynamic sources in Rastall gravity. Physics of the Dark Universe, 2021, 33, 100860.	4.9	28
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	The current status of the GRAPES-3 extensive air shower experiment. Nuclear Physics, Section B, Proceedings Supplements, 2009, 196, 153-158.	0.4	16
7	Gravitational waves in $$mathbf {f(R)}$$ gravity power law model. Indian Journal of Physics, 2022, 96, 637-646.	1.8	16
8	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
9	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
10	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
11	Formation of caustics in Dirac-Born-Infeld type scalar field systems. Physical Review D, 2010, 82, .	4.7	11
12	Scalarons mimicking dark matter in the Huâ€“Sawicki model of f(Râ€Š) gravity. Modern Physics Letters A, 2021, 36, .	1.2	10
13	Cosmology with a new f(R) gravity model in Palatini formalism. International Journal of Modern Physics D, 2022, 31, .	2.1	9
14	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
15	Shear dynamics in higher dimensional FLRW cosmology. Astrophysics and Space Science, 2015, 360, 1.	1.4	6
16	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
17	Current induced magnetization dynamics and magnetization switching in superconducting ferromagnetic hybrid (F|S|F) structures. Journal of Applied Physics, 2016, 120, .	2.5	5
18	Effect of Rashba spinâ€“orbit coupling, magnetization, and mixing of gap parameter on tunneling conductance in Fâˆ£NCSC junction of an Fâˆ£NCSCâˆ£F spin valve. Superconductor Science and Technology, 2019, 32, 085004.	3.5	5

#	Article	IF	Citations
19	Radial oscillations and gravitational wave echoes of strange stars with nonvanishing lambda. Astroparticle Physics, 2022, 143, 102744.	4.3	5
20	Charmed hadron production in pp collision. Astroparticle Physics, 2007, 28, 251-261.	4.3	4
21	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
22	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
23	Supersymmetric hybrid inflation with non-minimal coupling to gravity. European Physical Journal Plus, 2020, 135, 1.	2.6	3
24	Cosmic ray energy spectrum and composition measurements from the GRAPES-3 experiment: Latest results. , 2021, , .		3
25	Reanalysis of GU miniarray data using CORSIKA. Astroparticle Physics, 2005, 22, 421-429.	4.3	2
26	Anharmonic vibrations in pulsating stars. Indian Journal of Physics, 2012, 86, 849-853.	1.8	1
27	Large-scale cosmic ray anisotropy measured by the GRAPES-3 experiment. , 2021, , .		1
28	Search for Higgs Boson in UHE Cosmic Rays. European Physical Journal D, 2005, 55, 657-672.	0.4	0
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	Search for gamma rays above 30 TeV from the Crab Nebula with the GRAPES-3 experiment. , 2021, , .		0
33	Zenith angle dependence of pressure effect in GRAPES-3 muon telescope. , 2021, , .		0
34	A study of the Moon shadow by using GRAPES-3 muon telescope. , 2021, , .		0
35	An Advanced Triggerless Data Acquisition System for GRAPES-3 Muon Detector. , 2021, , .		0
36	Measurement of large angle muon flux in GRAPES-3 experiment using triggerless DAQ system. , 2021, , .		0

#	Article	IF	Citations
37	The azimuthal distribution of thunderstorm events recorded by the GRAPES-3 experiment. , 2021, , .		0
38	Measurement of the improved angular resolution of GRAPES-3 EAS array by the observation of the Moon shadow. , 2021, , .		0
39	Vetoing the high energy showers in the GRAPES-3 experiment whose cores lie outside the array. , 2021, , .		0
40	An extensive study for correcting the nonlinear particle density measured by GRAPES-3 scintillator detectors. , 2021, , .		0
41	Characterizing the isotropic diffuse gamma-ray flux (10-300 TeV) by the GRAPES-3 experiment. , 2021, , .		0