

Gohar Rastegarzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

43
citations

1684188

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h-index

1872680

6
g-index

22
all docs

22
docs citations

22
times ranked

16
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochemical Synthesis of CdS Nanoparticles and Investigation on Luminescence Properties. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2007, 37, 387-390.	0.6	7
2	Study of the extensive air shower mass sensitive parameters in prototype of ALBORZ array. Advances in Space Research, 2015, 55, 1734-1740.	2.6	6
3	Comparison of the performance of various light enclosures for extensive air shower experiments. Experimental Astronomy, 1998, 8, 211-229.	3.7	5
4	Energy, altitude, and mass dependence of steepness of the lateral distribution function of electrons and muons in extensive air showers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 197-201.	1.6	5
5	Dependence of the muon pseudorapidity on the cosmic ray mass composition around the knee. International Journal of Modern Physics D, 2015, 24, 1550010.	2.1	5
6	Neutrino-hadron spectrum from the propagation of UHE cosmic rays: A simulation with CRPropa 2.0. European Physical Journal Plus, 2015, 130, 1.	2.6	2
7	Investigation on the UHECR sources using CR-neutrino spectrum: A CRPropa3 simulation. European Physical Journal Plus, 2019, 134, 1.	2.6	2
8	SURA: Semnan University Radio Array. Experimental Astronomy, 2020, 49, 21-41.	3.7	2
9	Primary mass discrimination of high energy cosmic rays using PNN and k-NN methods. Advances in Space Research, 2018, 61, 1181-1191.	2.6	2
10	Mass discrimination using the inferred depth of maximum through the particle densities measured at observation level. International Journal of Modern Physics D, 2015, 24, 1550080.	2.1	1
11	Measurement of muon production depth in cosmic ray induced extensive air showers by time structure of muons at observation level. New Astronomy, 2016, 44, 45-50.	1.8	1
12	Linear analysis of the non-axisymmetric secular gravitational instability. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5405-5415.	4.4	1
13	Effects of different source characteristics on the propagated CR and secondary neutrino spectra: A CRPropa3 simulation. Advances in Space Research, 2019, 63, 4058-4065.	2.6	1
14	An approach to identify the mass and energy of the primary cosmic rays around the knee region using arrival time distribution of secondary charged particles in extensive air showers. Advances in Space Research, 2020, 65, 2456-2466.	2.6	1
15	Investigating the features of a pentagon array for studying Extensive Air Showers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 962, 163703.	1.6	1
16	The effect of geomagnetic field on radio signal patterns from cosmic ray air showers. , 2017, , .		1
17	Study of single and combined mass-sensitive observables of cosmic ray induced extensive air showers. Astrophysics and Space Science, 2016, 361, 1.	1.4	0
18	Application of CORSIKA Simulation Code to Study Lateral and Longitudinal Distribution of Fluorescence Light in Cosmic Ray Extensive Air Showers. Journal of Astrophysics and Astronomy, 2017, 38, 1.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Mass discrimination of cosmic rays by topological multi-parametric patterns. <i>New Astronomy</i> , 2017, 57, 30-36.	1.8	0
20	Estimating primary energy of cosmic rays by calculating secondary particles density in optimum distance from shower core. <i>International Journal of Modern Physics D</i> , 2018, 27, 1750190.	2.1	0
21	An investigation on the rise time characteristics of particles in extensive air showers. <i>Advances in Space Research</i> , 2021, , .	2.6	0
22	On the behaviour of functions at the boundary conditions in the domain of the generalised momentum operators. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	1.8	0