Gohar Rastegarzadeh

List of Publications by Year
in descending order

22 papers	43 citations	1684188 5 h-index	1872680 6 g-index
22 all docs	22 docs citations	22 times ranked	16 citing authors

#	Article	IF	Citations
1	An investigation on the rise time characteristics of particles in extensive air showers. Advances in Space Research, 2021, , .	2.6	0
2	On the behaviour of functions at the boundary conditions in the domain of the generalised momentum operators. Pramana - Journal of Physics, 2021, 95, 1.	1.8	0
3	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
4	SURA: Semnan University Radio Array. Experimental Astronomy, 2020, 49, 21-41.	3.7	2
5	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
6	Linear analysis of the non-axisymmetric secular gravitational instability. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5405-5415.	4.4	1
7	Investigation on the UHECR sources using CR-neutrino spectrum: A CRPropa3 simulation. European Physical Journal Plus, 2019, 134, 1.	2.6	2
8	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
9	Estimating primary energy of cosmic rays by calculating secondary particles density in optimum distance from shower core. International Journal of Modern Physics D, 2018, 27, 1750190.	2.1	0
10	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
11	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
12	Mass discrimination of cosmic rays by topological multi-parametric patterns. New Astronomy, 2017, 57, 30-36.	1.8	0
13	The effect of geomagnetic field on radio signal patterns from cosmic ray air showers. , 2017, , .		1
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	Comparison of the performance of various light enclosures for extensive air shower experiments. Experimental Astronomy, 1998, 8, 211-229.	3.7	5