

Alireza Mahmoudian

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

291
citations

933447

10
h-index

940533

16
g-index

36
all docs

36
docs citations

36
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of VLF Radio Sounding for Studying Semi-Diurnal Tide and Gravity Waves. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092949.	4.0	0
2	Geomagnetic field impacts on second harmonic generation during high power radio wave-ionosphere interaction. <i>Physics of Plasmas</i> , 2021, 28, 062901.	1.9	3
3	Detail study of time evolution of three thunderstorm events in Tehran area using observations and numerical simulations for lightning nowcasting. <i>Natural Hazards</i> , 2021, 109, 1481-1508.	3.4	1
4	Study of local ionospheric plasma perturbation induced by pre-seismic activities. <i>Acta Geophysica</i> , 2021, 69, 1585-1595.	2.0	3
5	A New Technique for Investigating Dust Charging in the PMSE Source Region. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089639.	4.0	2
6	Mutual relationship between surface atmospheric pollutants and CG lightning in Tehran area. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 809.	2.7	3
7	Multi-frequency SuperDARN radar observations of the modulated ionosphere by high-power radio-waves at EISCAT. <i>Advances in Space Research</i> , 2020, 65, 2791-2799.	2.6	0
8	Investigation of incoherent scatter radar spectra features with stimulated electromagnetic emissions at EISCAT. <i>Advances in Space Research</i> , 2019, 64, 159-170.	2.6	3
9	NSEE Yielding Electron Temperature Measurements at the Arecibo Observatory. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3699-3708.	2.4	9
10	Pump Power Effects on Second Harmonic Stimulated Electromagnetic Emissions During Ionosphere Heating. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9739-9754.	2.4	3
11	Initial results of stimulated radiation measurements during the HAARP campaign of September 2017. <i>Radiation Effects and Defects in Solids</i> , 2018, 173, 66-72.	1.2	2
12	Artificial Ionospheric GPS Phase Scintillation Excited During High-Power Radiowave Modulation of the Ionosphere. <i>Radio Science</i> , 2018, 53, 775-789.	1.6	3
13	First Observations of Narrowband Stimulated Electromagnetic Emissions at the Pump Frequency Second Harmonic During Ionosphere Interaction Experiments. <i>Geophysical Research Letters</i> , 2018, 45, 8690-8697.	4.0	12
14	Dusty Space Plasma Diagnosis Using the Behavior of Polar Mesospheric Summer Echoes During Electron Precipitation Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7697-7709.	2.4	5
15	Remote sensing of mesospheric dust layers using active modulation of PMWE by high-power radio waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 843-856.	2.4	6
16	Investigation of third gyro-harmonic heating at HAARP using stimulated radio emissions and the MUIR and Kodiak radars. <i>Advances in Space Research</i> , 2017, 59, 337-350.	2.6	7
17	Charged dust phenomena in the near-Earth space environment. <i>Reports on Progress in Physics</i> , 2016, 79, 106802.	20.1	13
18	Studies of the ionospheric turbulence excited by the fourth gyroharmonic at HAARP. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6646-6660.	2.4	12

#	ARTICLE	IF	CITATIONS
19	First modulation of high-frequency polar mesospheric summer echoes by radio heating of the ionosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5347-5353.	4.0	15
20	Impact of active geomagnetic conditions on stimulated radiation during ionospheric second electron gyroharmonic heating. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 548-565.	2.4	9
21	Investigation of the generation source of decameter-scale sub-auroral ionospheric irregularities during geomagnetically quiet periods. , 2014, , .		1
22	Investigation of temperature gradient instability as the source of mid-latitude decameter-scale quiet-time ionospheric irregularities. , 2014, , .		1
23	Investigation of the temperature gradient instability as the source of midlatitude quiet time decameter-scale ionospheric irregularities: 2. Linear analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4882-4893.	2.4	19
24	Electron gyroharmonic effects on ionospheric stimulated Brillouin scatter. <i>Geophysical Research Letters</i> , 2014, 41, 5710-5716.	4.0	17
25	Narrowband stimulated electromagnetic emissions (SEE) spectra: A new ionospheric diagnostic technique. , 2014, , .		4
26	On the signature of positively charged dust particles on plasma irregularities in the mesosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 104, 260-269.	1.6	10
27	Ion gyroharmonic structuring in the stimulated radiation spectrum and optical emissions during electron gyroharmonic heating. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1270-1287.	2.4	29
28	Ion gyro-harmonic structuring in the stimulated radiation spectrum during third electron gyro-harmonic heating. , 2013, , .		0
29	Investigation of ionospheric stimulated Brillouin scatter generated at pump frequencies near electron gyroharmonics. <i>Radio Science</i> , 2013, 48, 685-697.	1.6	28
30	Stimulated Brillouin scatter and stimulated ion Bernstein scatter during electron gyroharmonic heating experiments. <i>Radio Science</i> , 2013, 48, 607-616.	1.6	28
31	Irregularity excitation associated with charged dust cloud boundary layers. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
32	Temporal evolution of radar echoes associated with mesospheric dust clouds after turn-on of radio wave heating. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
33	Dusty space plasma diagnosis using temporal behavior of polar mesospheric summer echoes during active modification. <i>Annales Geophysicae</i> , 2011, 29, 2169-2179.	1.6	22
34	Irregularities Associated With Creation of Dusty Plasmas in the Near-Earth Space Environment. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 880-885.	1.3	7
35	Neutral air turbulence in the mesosphere and associated polar mesospheric summer echoes (PMSEs). <i>Radio Science</i> , 0, , .	1.6	0
36	Earthquake prediction assessment using VLF radio signal sounding and space-based ULF emission observation. <i>Acta Geophysica</i> , 0, , .	2.0	0