

Rajesh Singh

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

764
citations

471509

17
h-index

552781

26
g-index

51
all docs

51
docs citations

51
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 21 June 2020 solar eclipse on the ionosphere using VLF and GPS observations and modeling. <i>Advances in Space Research</i> , 2022, 69, 254-265.	2.6	6
2	Rare observations of sprites and gravity waves supporting D, E, F-regions ionospheric coupling. <i>Scientific Reports</i> , 2022, 12, 581.	3.3	1
3	Effect of total Lunar Eclipse of 27th July 2018 on the D-region Ionosphere by using VLF observations. <i>Advances in Space Research</i> , 2021, 69, 121-121.	2.6	0
4	Ionospheric Perturbations Induced by a Very Severe Cyclonic Storm (VSCS): A Case Study of Phailin VSCS. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027197.	2.4	4
5	Abnormal behaviour of sporadic E-layer during the total solar eclipse of 22 July 2009 near the crest of EIA over India. <i>Advances in Space Research</i> , 2019, 64, 2145-2153.	2.6	5
6	Observation of Very Short Period Atmospheric Gravity Waves in the Lower Ionosphere Using Very Low Frequency Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9448-9461.	2.4	5
7	The 22 July 2009 Total Solar Eclipse: Modeling D Region Ionosphere Using Narrowband VLF Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 616-627.	2.4	10
8	Rare observation of daytime whistlers at very low latitude ($L = 1.08$). <i>Advances in Space Research</i> , 2018, 61, 1909-1918.	2.6	3
9	An investigation of the ionospheric F region near the EIA crest in India using OI 777.4 and 630.0 nm nightglow observations. <i>Annales Geophysicae</i> , 2018, 36, 809-823.	1.6	5
10	Anomalous variations of VLF sub-ionospheric signal and Mesospheric Ozone prior to 2015 Gorkha Nepal Earthquake. <i>Scientific Reports</i> , 2018, 8, 9381.	3.3	21
11	Effects of St. Patrick's Day Geomagnetic Storm of March 2015 and of June 2015 on Low Equatorial D Region Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6836-6850.	2.4	28
12	Profuse activity of blue electrical discharges at the tops of thunderstorms. <i>Geophysical Research Letters</i> , 2017, 44, 496-503.	4.0	55
13	Enhancement and modulation of cosmic noise absorption in the afternoon sector at subauroral location ($L = 5$) during the recovery phase of 17 March 2015 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9528-9544.	2.4	5
14	Assessment of Unusual Gigantic Jets observed during the Monsoon season: First observations from Indian Subcontinent. <i>Scientific Reports</i> , 2017, 7, 16436.	3.3	5
15	On the association of lightning activity and projected change in climate over the Indian sub-continent. <i>Atmospheric Research</i> , 2017, 183, 173-190.	4.1	50
16	The 25 April 2015 Nepal Earthquake: Investigation of precursor in VLF subionospheric signal. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,403.	2.4	27
17	22 July 2009 total solar eclipse induced gravity waves in ionosphere as inferred from GPS observations over EIA. <i>Advances in Space Research</i> , 2016, 58, 1755-1762.	2.6	17
18	Changes in the D region associated with three recent solar eclipses in the South Pacific region. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5930-5943.	2.4	19

#	ARTICLE	IF	CITATIONS
19	Very Low Latitude Whistlers (L = 1.08):Arrival Azimuth Determination. Current Science, 2016, 111, 198.	0.8	0
20	Very low latitude (L =1.08) whistlers and correlation with lightning activity. Journal of Geophysical Research: Space Physics, 2015, 120, 6694-6706.	2.4	8
21	Estimation of interplanetary electric field conditions for historical geomagnetic storms. Journal of Geophysical Research: Space Physics, 2015, 120, 7307-7317.	2.4	19
22	Subionospheric VLF perturbations observed at a low latitude station Varanasi (L=1.07). Advances in Space Research, 2015, 55, 576-585.	2.6	1
23	Solar flares induced D-region ionospheric and geomagnetic perturbations. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 123, 102-112.	1.6	35
24	Lightning and convective rain over Indian peninsula and Indo-China peninsula. Advances in Space Research, 2015, 55, 1085-1103.	2.6	27
25	Response of the low latitude D region ionosphere to extreme space weather event of 14 th December 2006. Journal of Geophysical Research: Space Physics, 2015, 120, 788-799.	2.4	38
26	Low mid latitude D region ionospheric perturbations associated with 22 July 2009 total solar eclipse: Wave like signatures inferred from VLF observations. Journal of Geophysical Research: Space Physics, 2014, 119, 8512-8523.	2.4	32
27	Solar flare induced D-region ionospheric perturbations evaluated from VLF measurements. Astrophysics and Space Science, 2014, 350, 1-9.	1.4	32
28	Waves-like signatures in the D-region ionosphere generated by solar flares. , 2014, , .		2
29	Response of the mid-latitude D-region ionosphere to the total solar eclipse of 22 July 2009 studied using VLF signals in South Korean peninsula. Advances in Space Research, 2014, 54, 961-968.	2.6	17
30	Whistlers detected and analyzed by Automatic Whistler Detector (AWD) at low latitude Indian stations. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 221-228.	1.6	11
31	One-to-one relationship between low latitude whistlers and conjugate source lightning discharges and their propagation characteristics. Advances in Space Research, 2013, 52, 1966-1973.	2.6	7
32	Very low latitude (L = 1.08) whistlers. Geophysical Research Letters, 2012, 39, .	4.0	10
33	Response of low latitude D-region ionosphere to the total solar eclipse of 22 July 2009 deduced from ELF/VLF analysis. Advances in Space Research, 2012, 50, 1352-1361.	2.6	17
34	Nighttime D region electron density measurements from ELF-VLF tweek radio atmospherics recorded at low latitudes. Journal of Geophysical Research, 2012, 117, .	3.3	37
35	Morphological features of tweeks and nighttime D region ionosphere at tweek reflection height from the observations in the low latitude Indian sector. Journal of Geophysical Research, 2012, 117, .	3.3	12
36	D-region ionosphere response to the total solar eclipse of 22 July 2009 deduced from ELF-VLF tweek observations in the Indian sector. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37

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37	Thunderstorms, Lightning, Sprites and Magnetospheric Whistler-Mode Radio Waves. Surveys in Geophysics, 2008, 29, 499-551.	4.6	46
38	An explanation of the observation of pulsing hiss at low latitude. Advances in Space Research, 2008, 41, 1695-1698.	2.6	2
39	Propagation Characteristics and Generation Mechanism of ELF/VLF Hiss Observed at Low-latitude Ground Station (L = 1.17). Earth, Moon and Planets, 2007, 100, 17-29.	0.6	3
40	Review of electromagnetic coupling between the Earth's atmosphere and the space environment. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 637-658.	1.6	42
41	Application of matched filtering to short whistlers recorded at low latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 407-413.	1.6	16
42	Hisslers: Quasi-periodic VLF noise forms observed at low latitude ground station Jammu (L = 1.17). Geophysical Research Letters, 2004, 31, .	4.0	12
43	Synchronized whistlers recorded at Varanasi. Pramana - Journal of Physics, 2003, 60, 1273-1277.	1.8	4
44	Damping of ion-cyclotron whistler waves through ionospheric plasma. Earth, Planets and Space, 2003, 55, 203-213.	2.5	0
45	An experimental study of hiss-triggered chorus emissions at low latitude. Earth, Planets and Space, 2000, 52, 37-40.	2.5	21
46	Title is missing!. Earth, Moon and Planets, 1999, 84, 151-162.	0.6	2
47	Characteristics of whistler ducts recorded at Gulmarg. Earth, Moon and Planets, 1996, 73, 181-186.	0.6	1
48	Whistler observations of the quiet time plasmasphere-ionosphere coupling fluxes at low latitude. Earth, Moon and Planets, 1996, 74, 7-15.	0.6	5
49	An Estimate of Quiet Time Plasmaspheric Electric Fields from Whistler Observations at Low Latitude.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 211-220.	0.9	2