K Niranjan

List of Publications by Year in descending order

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		236833	206029
67	2,407	25	48
papers	citations	h-index	g-index

67	67	67	1736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wintertime aerosol characteristics over the Indoâ€Gangetic Plain (IGP): Impacts of local boundary layer processes and longâ€range transport. Journal of Geophysical Research, 2007, 112, .	3.3	287
2	Temporal and spatial variations in TEC using simultaneous measurements from the Indian GPS network of receivers during the low solar activity period of 2004â€“2005. Annales Geophysicae, 2006, 24, 3279-3292.	0.6	221
3	Trends in aerosol optical depth over Indian region: Potential causes and impact indicators. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,794.	1.2	195
4	On the validity of the ionospheric pierce point (IPP) altitude of 350 km in the Indian equatorial and low-latitude sector. Annales Geophysicae, 2006, 24, 2159-2168.	0.6	124
5	Radiative forcing of black carbon over eastern India. Geophysical Research Letters, 2007, 34, .	1.5	90
6	Local time dependent response of postsunset ESF during geomagnetic storms. Journal of Geophysical Research, 2008, 113, .	3.3	86
7	Study of spatial and temporal characteristics of L-band scintillations over the Indian low-latitude region and their possible effects on GPS navigation. Annales Geophysicae, 2006, 24, 1567-1580.	0.6	83
8	Geomagnetic storm effects on GPS based navigation. Annales Geophysicae, 2009, 27, 2101-2110.	0.6	81
9	Wintertime spatial characteristics of boundary layer aerosols over peninsular India. Journal of Geophysical Research, 2005, 110, .	3.3	80
10	Aerosol optical depths over peninsular India and adjoining oceans during the INDOEX campaigns: Spatial, temporal, and spectral characteristics. Journal of Geophysical Research, 2001, 106, 28539-28554.	3.3	72
11	Response of the equatorial ionosphere in the Indian (midnight) sector to the severe magnetic storm of July 15, 2000. Geophysical Research Letters, 2002, 29, 29-1.	1.5	72
12	Micro pulse lidar observation of high altitude aerosol layers at Visakhapatnam located on the east coast of India. Geophysical Research Letters, 2007, 34, .	1.5	64
13	The role of post-sunset vertical drifts at the equator in predicting the onset of VHF scintillations during high and low sunspot activity years. Annales Geophysicae, 2006, 24, 1609-1616.	0.6	55
14	Characteristics of spectral aerosol optical depths over India during ICARB. Journal of Earth System Science, 2008, 117, 303-313.	0.6	55
15	Features of additional stratification in ionospheric F 2 layer observed for half a solar cycle over Indian low latitudes. Journal of Geophysical Research, 2005, 110, .	3.3	50
16	VHF and L-band scintillation characteristics over an Indian low latitude station, Waltair (17.7Â° N, 83.3Â°) Tj ETQq0 0 0 rgBT /Overlock 1	0.6	49
17	Wintertime aerosol characteristics at a north Indian site Kharagpur in the Indo-Gangetic plains located at the outflow region into Bay of Bengal. Journal of Geophysical Research, 2006, 111, .	3.3	49
18	Aerosol physical properties and Radiative forcing at the outflow region from the Indoâ€Gangetic plains during typical clear and hazy periods of wintertime. Geophysical Research Letters, 2007, 34, .	1.5	40

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19	On the fresh development of equatorial plasma bubbles around the midnight hours of June solstice. Journal of Geophysical Research: Space Physics, 2016, 121, 9051-9062.	0.8	40
20	Ionospheric response to the 26 August 2018 geomagnetic storm using GPS-TEC observations along 80Â° E and 120Â° E longitudes in the Asian sector. Advances in Space Research, 2020, 66, 1427-1440.	1.2	37
21	Aerosol characterization during the summer monsoon period over a tropical coastal Indian station, Visakhapatnam. Journal of Geophysical Research, 2008, 113, .	3.3	35
22	On the variabilities of the Total Electron Content (TEC) over the Indian low latitude sector. Advances in Space Research, 2012, 49, 898-913.	1.2	34
23	Explicit characteristics of evolutionaryâ€type plasma bubbles observed from Equatorial Atmosphere Radar during the low to moderate solar activity years 2010â€“2012. Journal of Geophysical Research: Space Physics, 2015, 120, 1371-1382.	0.8	33
24	Interannual Variations of Aerosol Optical Depth over Coastal India: Relation to Synoptic Meteorology. Journal of Applied Meteorology and Climatology, 2005, 44, 1066-1077.	1.7	28
25	Measurements of aerosol intensive properties over Visakhapatnam, India for 2007. Annales Geophysicae, 2011, 29, 973-985.	0.6	26
26	Post midnight spread-F occurrence over Waltair (17.7Â° N, 83.3Â° E) during low and ascending phases of solar activity. Annales Geophysicae, 2003, 21, 745-750.	0.6	24
27	Size segregated aerosol mass concentration measurements over the Arabian Sea during ICARB. Journal of Earth System Science, 2008, 117, 315-323.	0.6	23
28	Gradients in PM2.5 over India: Five city study. Urban Climate, 2018, 25, 99-108.	2.4	21
29	Spatial characteristics of aerosol physical properties over the northeastern parts of peninsular India. Annales Geophysicae, 2005, 23, 3219-3227.	0.6	19
30	Study of TEC, slab-thickness and neutral temperature of the thermosphere in the Indian low latitude sector. Annales Geophysicae, 2011, 29, 1635-1645.	0.6	19
31	Daytime descending intermediate layers observed over a sub-tropical Indian station Waltair during low-solar activity period. Annales Geophysicae, 2010, 28, 807-815.	0.6	18
32	Vertical rise velocity of equatorial plasma bubbles estimated from Equatorial Atmosphere Radar (EAR) observations and HIRB model simulations. Journal of Geophysical Research: Space Physics, 2017, 122, 6584-6594.	0.8	18
33	Satellite remote sensing of fine particulate air pollutants over Indian mega cities. Advances in Space Research, 2017, 60, 2268-2276.	1.2	17
34	Fresh and evolutionaryâ€type fieldâ€aligned irregularities generated near sunrise terminator due to overshielding electric fields. Journal of Geophysical Research: Space Physics, 2015, 120, 5922-5930.	0.8	16
35	Evaluation of MERRAero PM2.5 over Indian cities. Advances in Space Research, 2019, 64, 328-334.	1.2	16
36	Spatial distribution of ionization in the equatorial and low-latitude ionosphere of the Indian sector and its effect on the pierce point altitude for GPS applications during low solar activity periods. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	14

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37	On the occurrence and strength of multi-frequency multi-GNSS Ionospheric Scintillations in Indian sector during declining phase of solar cycle 24. Advances in Space Research, 2018, 61, 1761-1775.	1.2	13
38	Signatures of equatorial midnight temperature maximum as observed from in situ and ground-based ionospheric measurements in the Indian sector. Journal of Geophysical Research, 2006, 111, .	3.3	12
39	Relationship Between Presunset Wave Structures and Interbubble Spacing: The Seeding Perspective of Equatorial Plasma Bubble. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028122.	0.8	12
40	On the Conditions for Onset and Development of Fog Over New Delhi: An Observational Study from the WiFEX. Pure and Applied Geophysics, 2021, 178, 3727-3746.	0.8	12
41	Aerosol spectral optical depths and size characteristics at a coastal industriallocation in India - effect of synoptic and mesoscale weather. Annales Geophysicae, 2004, 22, 1851-1860.	0.6	11
42	Temporal characteristics of aerosol physical properties at Visakhapatnam on the east coast of India during ICARB â€" Signatures of transport onto Bay of Bengal. Journal of Earth System Science, 2008, 117, 421-427.	0.6	11
43	First observational evidence for opposite zonal electric fields in equatorial E and F region altitudes during a geomagnetic storm period. Journal of Geophysical Research, 2012, 117, .	3.3	11
44	Interhemispheric Asymmetry in Response of Lowâ€Latitude Ionosphere to Perturbation Electric Fields in the Main Phase of Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 7256-7282.	0.8	11
45	Mesospheric gravity wave characteristics and identification of their sources around spring equinox over Indian low latitudes. Atmospheric Measurement Techniques, 2016, 9, 93-102.	1.2	10
46	Morphological studies on ionospheric VHF scintillations over an Indian low latitude station during a solar cycle period (2001â€“2010). Advances in Space Research, 2012, 50, 56-69.	1.2	9
47	Multi-instrument investigation of troposphere-ionosphere coupling and the role of gravity waves in the formation of equatorial plasma bubble. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 189, 65-79.	0.6	9
48	Investigation on seasonal variations of aerosol properties and its influence on radiative effect over an urban location in central India. Atmospheric Environment, 2016, 133, 41-48.	1.9	8
49	L-band scintillation and TEC variations on St. Patrickâ€™s Day storm of 17 March 2015 over Indian longitudes using GPS and GLONASS observations. Journal of Earth System Science, 2019, 128, 1.	0.6	8
50	Evening enhancements in F-region electron temperature at subtropical latitudes during June solstice in the Indian SROSS C2 RPA data. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 813-819.	0.6	7
51	Thermospheric gravity wave modes over low and equatorial latitudes during daytime. Journal of Geophysical Research, 2004, 109, .	3.3	7
52	On the Assessment of Dayâ€Toâ€Day Occurrence of Equatorial Plasma Bubble. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029129.	0.8	7
53	Aerosol spectral optical depths and typical size distributions at a coastal urban location in India. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 439.	0.8	6
54	Aerosol spectral optical depths and typical size distributions at a coastal urban location in India. Tellus, Series B: Chemical and Physical Meteorology, 1997, 49, 439-446.	0.8	6

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55	Evidence for control of black carbon and sulfate relative mass concentrations on composite aerosol radiative forcing: Case of a coastal urban area. Journal of Geophysical Research, 2012, 117, .	3.3	6
56	Loss of lock on GNSS signals and its association with ionospheric irregularities observed over Indian low latitudes. GPS Solutions, 2022, 26, 1.	2.2	6
57	Pinatubo volcanic aerosol characteristics as observed from a low latitude location in india using a ground-based multiwavelength solar radiometer. Journal of Aerosol Science, 1999, 30, 1181-1189.	1.8	5
58	Optical properties of the South Asian winter haze at a tropical coastal site in India. Atmospheric Environment, 2012, 54, 449-455.	1.9	5
59	Local time dependant response of Indian equatorial ionosphere to the moderate geomagnetic storms. Advances in Space Research, 2007, 39, 1304-1312.	1.2	4
60	Advection induced short period anomalies and seasonal features in aerosol optical depth over Bay of Bengal in the W-ICARB region. Atmospheric Environment, 2012, 51, 175-186.	1.9	4
61	GPS TEC variations under quiet and disturbed geomagnetic conditions during the descending phase of 24th solar cycle over the Indian equatorial and low latitude regions. Advances in Space Research, 2021, 68, 1836-1849.	1.2	4
62	Temporal Characteristics of Aerosol Optical Depths and Size Distribution at Visakhapatnam, India. Aerosol Science and Technology, 2000, 32, 284-292.	1.5	3
63	Evaluation of the ion-density measurements by the Indian satellite SROSS-C2. Radio Science, 2010, 45, n/a-n/a.	0.8	3
64	HF Doppler radar observations of lowâ€latitude spread F. Radio Science, 2009, 44, .	0.8	2
65	Onset Conditions and Features of Equatorial F Region Irregularities: New Insight From Collocated Digisonde and Radar Observations From Gadanki. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	2
66	Distinct ionospheric response to three different geomagnetic storms during 2016 using GPS-TEC observations over the Indian equatorial and low latitude sectors. Advances in Space Research, 2022, 70, 1089-1103.	1.2	2
67	Group-Path Delays in the Trans-Ionospheric Radio Wave Propagation Derived from TEC. IETE Journal of Research, 1985, 31, 132-135.	1.8	0