Sridharan R

List of Publications by Year
in descending order

35 papers	950 citations	430843 18 h-index	434170 31 g-index
35 all docs	35 docs citations	35 times ranked	812 citing authors

#	Article	IF	Citations
1	Further refinements to the spatiotemporal forecast model for Lâ€band scintillation based on comparison with C/NOFS observations. Journal of Geophysical Research: Space Physics, 2017, 122, 5643-5652.	2.4	3
2	Impact of the perturbation zonal velocity variation on the spatio/temporal occurrence pattern of L band scintillationâ€"A case study. Journal of Geophysical Research: Space Physics, 2015, 120, 5882-5889.	2.4	9
3	Refinement of the background ionospheric conditions and plausible explanation based on neutral dynamics for the occurrence/non-occurrence of L-band scintillation patches against forecast.. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 133, 18-24.	1.6	6
4	First results on forecasting the spatial occurrence pattern of L-band scintillation and its temporal evolution. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 119, 53-62.	1.6	10
5	Critical assessment of the forecasting capability of L-band scintillation over the magnetic equatorial region â€“ Campaign results. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 110-111, 15-22.	1.6	9
6	Preâ€assessment of the â€œstrengthâ€•and â€œlatitudinal extentâ€•of Lâ€band scintillation: A case study. Journal of Geophysical Research: Space Physics, 2013, 118, 488-495.	2.4	20
7	A novel method based on GPS TEC to forecast L band scintillations over the equatorial region through a case study. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 80, 230-238.	1.6	26
8	Daytime upper mesospheric energetics over a tropical station, Trivandrum (8.5Â°N, 77Â°E): An investigation using the multiwavelength dayglow photometry. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1
9	Low-latitude ionospheric-thermospheric response to storm time electrodynamical coupling between high and low latitudes. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
10	Scattering function for energetic neutral hydrogen atoms off the lunar surface. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	30
11	Evolutionary phases of equatorial spreadFincluding L band scintillations and plumes in the context of GPS total electron content variability: A case study. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	17
12	First observation of a miniâ€magnetosphere above a lunar magnetic anomaly using energetic neutral atoms. Geophysical Research Letters, 2010, 37, .	4.0	114
13	Protons in the nearâ€lunar wake observed by the Subâ€keV Atom Reflection Analyzer on board Chandrayaanâ€1. Journal of Geophysical Research, 2010, 115, .	3.3	42
14	Signatures of low latitudeâ€"high latitude coupling in the tropical MLT region during sudden stratospheric warming. Geophysical Research Letters, 2009, 36, .	4.0	25
15	Response of the equatorial and lowâ€latitude ionosphere in the Indian sector to the geomagnetic storms of January 2005. Journal of Geophysical Research, 2009, 114, .	3.3	27
16	Additional stratifications in the equatorial F region at dawn and dusk during geomagnetic storms: Role of electrodynamics. Journal of Geophysical Research, 2009, 114, .	3.3	24
17	Investigation of the response of equatorial MLTI region during a partial solar eclipse through groundâ€based daytime optical technique. Journal of Geophysical Research, 2008, 113, .	3.3	3
18	Local time dependent response of postsunset ESF during geomagnetic storms. Journal of Geophysical Research, 2008, 113, .	3.3	86

#	Article	IF	Citations
19	Determination of dayâ€¢time OH emission heights using simultaneous meteor radar, dayâ€¢glow photometer and TIMED/SABER observations over Thumba (8.5Â°N, 77Â°E). Geophysical Research Letters, 2008, 35, .	4.0	9
20	Seasonal dependence of the "forecast parameter" based on the EIA characteristics for the prediction of Equatorial Spread F (ESF). Annales Geophysicae, 2008, 26, 1751-1757.	1.6	14
21	An additional layer in the low-latitude ionosphere in Indian longitudes: Total electron content observations and modeling. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	20
22	Atmosphere-Ionosphere coupling observed over the dip equatorial MLTI region through the quasi 16-day wave. Geophysical Research Letters, 2007, 34, .	4.0	48
23	Investigation on the mesopause energetics and its possible implications on the equatorial MLTI processes through coordinated daytime airglow and radar measurements. Geophysical Research Letters, 2007, 34, .	4.0	11
24	Highly localized cooling in daytime mesopause temperature over the dip equator during counter electrojet events: First results. Geophysical Research Letters, 2007, 34, .	4.0	33
25	Deterministic prediction of post-sunset ESF based on the strength and asymmetry of EIA from ground based TEC measurements: Preliminary results. Geophysical Research Letters, 2006, 33, .	4.0	34
26	Low energy neutral atom imaging on the Moon with the SARA instrument aboard Chandrayaan-1 mission. Journal of Earth System Science, 2005, 114, 749-760.	1.3	35
27	Simultaneous radar observations of meter-scaleFregion irregularities at and off the magnetic equator over India. Journal of Geophysical Research, 2005, 110, .	3.3	19
28	First observation of topside ionization ledges using radio beacon measurements from low Earth orbiting satellites. Geophysical Research Letters, 2005, 32, .	4.0	17
29	A comparative study of daytime mesopause temperatures obtained using unique ground based optical and meteor wind radar techniques over the magnetic equator. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	22
30	East-west asymmetries of the equatorial electrojet 8.3 m type-2 echoes observed over Trivandrum and a possible explanation. Journal of Geophysical Research, 2005, 110, .	3.3	10
31	On the role of vertical electron density gradients in the generation of type II irregularities associated with blanketing ES(ESb) during counter equatorial electrojet events: A case study. Radio Science, 2004, 39, n/a-n/a.	1.6	11
32	Threshold height (hâ€²F)cfor the meridional wind to play a deterministic role in the bottom side equatorial spread F and its dependence on solar activity. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	41
33	Simultaneous radar observations of the electrojet plasma irregularities at 18 and 54.95 MHz over Trivandrum, India. Journal of Geophysical Research, 2003, 108, .	3.3	10
34	Equatorial ionosphere-thermosphere system during geomagnetic storms. Geophysical Monograph Series, 2003, , 185-203.	0.1	19
35	Precursor to equatorial spread-Fin OI 630.0 nm dayglow. Geophysical Research Letters, 1994, 21, 2797-2800.	4.0	90