Inez Batista

List of Publications by Year
in descending order

217 papers	7,085 citations	47006 47 h-index	85541 71 g-index
230 all docs	230 docs citations	230 times ranked	2003 citing authors

#	Article	IF	Citations
1	Responses of intermediate layers to geomagnetic activity during the 2009 deep solar minimum over the Brazilian low-latitude sector. Annales Geophysicae, 2022, 40, 259-269.	1.6	4
2	Disconnection and Reconnection in Plasma Bubbles Observed by OI 630Ânm Airglow Images From Cariri Observatory. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
3	The Impact of the Disturbed Electric Field in the Sporadic E (Es) Layer Development Over Brazilian Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028598.	2.4	13
4	Variability of the lunar semidiurnal tidal amplitudes in the ionosphere over Brazil. Annales Geophysicae, 2021, 39, 151-164.	1.6	0
5	Observation of Postsunset OI 135.6Ânm Radiance Enhancement Over South America by the GOLD Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028108.	2.4	28
6	F Region Electric Field Effects on the Intermediate Layer Dynamics During the Evening Prereversal Enhancement at Equatorial Region Over Brazil. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028429.	2.4	4
7	A coupled model of the D and E regions of Mars' ionosphere for flare and non-flare electron density profiles. Icarus, 2021, 361, 114403.	2.5	9
8	New Findings of the Sporadic E (Es) Layer Development Around the Magnetic Equator During a Highâ€Speed Solar (HSS) Wind Stream Event. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029416.	2.4	7
9	Modeling and causative mechanism of OI 630.0Ânm nightglow emission over Cachoeira Paulista (22.7oS,) Tj ETQq1 1 0.784314 rgBT /O	2.6	0
10	Variability of the equatorial ionosphere induced by nonlinear interaction between an ultrafast Kelvin wave and the diurnal tide. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 208, 105397.	1.6	1
11	Why Do Equatorial Plasma Bubbles Bifurcate?. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028609.	2.4	6
12	Some Differences in the Dynamics of the Intermediate Descending Layers Observed During Periods of Maximum and Minimum Solar Flux. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027682.	2.4	10
13	Further complexities on the pre-reversal vertical drift modeling over the Brazilian region: A comparison between long-term observations and model results. Journal of Space Weather and Space Climate, 2020, 10, 20.	3.3	6
14	Atmospheric Gravity Waves Observed in the Nightglow Following the 21 August 2017 Total Solar Eclipse. Geophysical Research Letters, 2020, 47, e2020GL088924.	4.0	7
15	The Influence of Disturbance Dynamo Electric Field in the Formation of Strong Sporadic E Layers Over Boa Vista, a Lowâ€Latitude Station in the American Sector. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027519.	2.4	19
16	Semimonthly oscillation observed in the start times of equatorial plasma bubbles. Annales Geophysicae, 2020, 38, 437-443.	1.6	3
17	Postmidnight equatorial plasma irregularities on the June solstice during low solar activity â€“ a case study. Annales Geophysicae, 2019, 37, 657-672.	1.6	3
18	Superfountain Effect Linked With 17 March 2015 Geomagnetic Storm Manifesting Distinct F 3 Layer. Journal of Geophysical Research: Space Physics, 2019, 124, 6127-6137.	2.4	10

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19	Ionospheric Response to Disturbed Winds During the 29 October 2003 Geomagnetic Storm in the Brazilian Sector. Journal of Geophysical Research: Space Physics, 2019, 124, 9405-9419.	2.4	9
20	MELISSA: System description and spectral features of preâ€•and postâ€•midnight F â€•region echoes. Journal of Geophysical Research: Space Physics, 2019, 124, 10482-10496.	2.4	3
21	Ionospheric irregularity behavior during the September 6â€“10, 2017 magnetic storm over Brazilian equatorialâ€“low latitudes. Earth, Planets and Space, 2019, 71, .	2.5	34
22	Climatology of intermediate descending layers (or 150â€‰km echoes) over the equatorial and low-latitude regions of Brazil during the deep solar minimum of 2009. Annales Geophysicae, 2019, 37, 1005-1024.	1.6	12
23	The influence of tidal winds in the formation of blanketing sporadic e-layer over equatorial Brazilian region. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 171, 64-71.	1.6	26
24	Response of the total electron content at Brazilian low latitudes to corotating interaction region and high-speed streams during solar minimum 2008. Earth, Planets and Space, 2018, 70, .	2.5	10
25	Wavenumber-4 structures observed in the low-latitude ionosphere during low and high solar activity periods using FORMOSAT/COSMIC observations. Annales Geophysicae, 2018, 36, 459-471.	1.6	11
26	Study of sporadic EÂlayers based on GPS radio occultation measurements and digisonde data over the Brazilian region. Annales Geophysicae, 2018, 36, 587-593.	1.6	28
27	Impact of disturbance electric fields in the evening on prereversal vertical drift and spread F developments in the equatorial ionosphere. Annales Geophysicae, 2018, 36, 609-620.	1.6	15
28	F₃ layer development during quiet and disturbed periods as observed at conjugate locations in Brazil: The role of the meridional wind. Journal of Geophysical Research: Space Physics, 2017, 122, 2361-2373.	2.4	20
29	Equatorial electrojet responses to intense solar flares under geomagnetic disturbance time electric fields. Journal of Geophysical Research: Space Physics, 2017, 122, 3570-3585.	2.4	18
30	Ionospheric F-region observations over American sector during an intense space weather event using multi-instruments. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 156, 1-14.	1.6	21
31	Observed effects in the equatorial and low-latitude ionosphere in the South American and African sectors during the 2012 minor sudden stratospheric warming. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 157-158, 78-89.	1.6	10
32	Lunar tides in total electron content over Brazil. Journal of Geophysical Research: Space Physics, 2017, 122, 7519-7529.	2.4	7
33	Electrodynamic disturbances in the Brazilian equatorial and lowâ€latitude ionosphere on St. Patrick's Day storm of 17 March 2015. Journal of Geophysical Research: Space Physics, 2017, 122, 4553-4570.	2.4	57
34	A scheme for forecasting severe space weather. Journal of Geophysical Research: Space Physics, 2017, 122, 2824-2835.	2.4	28
35	Ionospheric response to the 2006 sudden stratospheric warming event over the equatorial and low latitudes in the Brazilian sector using GPS observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 154, 92-103.	1.6	10
36	An Investigation of the Ionospheric Disturbances Due to the 2014 Sudden Stratospheric Warming Events Over Brazilian Sector. Journal of Geophysical Research: Space Physics, 2017, 122, 11,698.	2.4	15

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37	Equatorial Ionospheric Response to Different Estimated Disturbed Electric Fields as Investigated Using Sheffield University Plasmasphere Ionosphere Model at INPE. Journal of Geophysical Research: Space Physics, 2017, 122, 10,511.	2.4	6
38	Equatorial E Region Electric Fields and Sporadic E Layer Responses to the Recovery Phase of the November 2004 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2017, 122, 12,517.	2.4	17
39	Spread F modeling over Brazil. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 161, 98-104.	1.6	2
40	Automatic selection of Dst storms and their seasonal variations in two versions of Dst in 50Âyears. Earth, Planets and Space, 2017, 69, .	2.5	11
41	Effects of the midnight temperature maximum observed in the thermosphereâ€"ionosphere over the northeast of Brazil. Annales Geophysicae, 2017, 35, 953-963.	1.6	9
42	Unusual behavior of quiet-time zonal and vertical plasma drift velocities over Jicamarca during the recent extended solar minimum of 2008. Annales Geophysicae, 2017, 35, 1219-1229.	1.6	3
43	A Simple Data Assimilation Criterion to be Used by a Physical Model. , 2017, , .		0
44	Wave structures observed in the equatorial F-region plasma density and temperature during the sunset period. Advances in Space Research, 2016, 58, 2043-2051.	2.6	3
45	Flare Xâ€ray photochemistry of the E region ionosphere of Mars. Journal of Geophysical Research: Space Physics, 2016, 121, 6870-6888.	2.4	11
46	Disturbance zonal and vertical plasma drifts in the Peruvian sector during solar minimum phases. Journal of Geophysical Research: Space Physics, 2016, 121, 2503-2521.	2.4	21
47	Storm time equatorial plasma bubble zonal drift reversal due to disturbance Hall electric field over the Brazilian region. Journal of Geophysical Research: Space Physics, 2016, 121, 5594-5612.	2.4	25
48	Contrasting behavior of the F 2 peak and the topside ionosphere in response to the 2 October 2013 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2016, 121, 10,549-10,563.	2.4	20
49	A new parameter of geomagnetic storms for the severity of space weather. Geoscience Letters, 2016, 3, .	3.3	16
50	Effects of the intense geomagnetic storm of Septemberâ€"October 2012 on the equatorial, low- and mid-latitude F region in the American and African sector during the unusual 24th solar cycle. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 138-139, 93-105.	1.6	22
51	Low latitude ionospheric variability during solar minimum 2008: Impact of Solar Wind High Speed Streams. , 2015, , .		0
52	Lowâ€latitude scintillation weakening during sudden stratospheric warming events. Journal of Geophysical Research: Space Physics, 2015, 120, 2212-2221.	2.4	33
53	Prediction of the level of ionospheric scintillation at equatorial latitudes in Brazil using a neural network. Space Weather, 2015, 13, 446-457.	3.7	26
54	Dust storm and electron density in the equatorial D region ionosphere of Mars: Comparison with Earth's ionosphere from rocket measurements in Brazil. Journal of Geophysical Research: Space Physics, 2015, 120, 8968-8977.	2.4	10

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55	Wave structure and polarization electric field development in the bottomside F layer leading to postsunset equatorial spread F. Journal of Geophysical Research: Space Physics, 2015, 120, 6930-6940.	2.4	42
56	Thermospheric Neutral Wind Role on the Equatorial and Low-latitude Ionosphere During Conjugate Point Experiment Campaign. , 2015, , .		0
57	Fast and ultrafast Kelvin wave modulations of the equatorial evening F region vertical drift and spread F development. Earth, Planets and Space, 2015, 67, .	2.5	90
58	Modeling the equatorial and lowâ€latitude ionospheric response to an intense Xâ€class solar flare. Journal of Geophysical Research: Space Physics, 2015, 120, 3021-3032.	2.4	30
59	CME front and severe space weather. Journal of Geophysical Research: Space Physics, 2014, 119, 10,041.	2.4	35
60	The role of electric fields in sporadic E layer formation over low latitudes under quiet and magnetic storm conditions. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 115-116, 95-105.	1.6	28
61	Equatorial spread F initiation and growth from satellite traces as revealed from conjugate point observations in Brazil. Journal of Geophysical Research: Space Physics, 2014, 119, 375-383.	2.4	15
62	Equatorial ionization anomaly variability over the Brazilian region during boreal sudden stratospheric warming events. Journal of Geophysical Research: Space Physics, 2014, 119, 7649-7664.	2.4	24
63	Numerical simulation of equatorial plasma bubbles over Cachimbo: COPEX campaign. Advances in Space Research, 2014, 54, 443-455.	2.6	4
64	Equatorial broad plasma depletions associated with the enhanced fountain effect. Journal of Geophysical Research: Space Physics, 2014, 119, 402-410.	2.4	5
65	Correlation analysis between the occurrence of ionospheric scintillation at the magnetic equator and at the southern peak of the Equatorial Ionization Anomaly. Space Weather, 2014, 12, 406-416.	3.7	15
66	Equatorial ionization anomaly development as studied by GPS TEC and foF2 over Brazil: A comparison of observations with model results from SUPIM and IRI-2012. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 104, 45-54.	1.6	9
67	Longitudinal variation in Global Navigation Satellite Systems TEC and topside ion density over South American sector associated with the fourâ€peaked wave structures. Journal of Geophysical Research: Space Physics, 2013, 118, 7940-7953.	2.4	16
68	Abnormal fb Es enhancements in equatorial Es layers during magnetic storms of solar cycle 23. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 102, 228-234.	1.6	26
69	Day-time F region echoes observed by the SÃ£o LuÃs radar. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 103, 48-55.	1.6	12
70	Longitudinal variation of the equatorial ionosphere: Modeling and experimental results. Advances in Space Research, 2013, 51, 654-660.	2.6	14
71	Sporadic E layer development and disruption at low latitudes by prompt penetration electric fields during magnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 2639-2647.	2.4	24
72	The ultra-fast Kelvin waves in the equatorial ionosphere: observations and modeling. Annales Geophysicae, 2013, 31, 209-215.	1.6	19

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73	A global view of the atmospheric lunar semidiurnal tide. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,128.	3.3	27
74	A Simple Method to Calculate the Maximum Usable Frequency. , 2013, , .		0
75	Estimation of the initial amplitude of plasma bubble seed perturbation from ionograms. Radio Science, 2012, 47, .	1.6	8
76	Equatorial range spread F echoes from coherent backscatter, and irregularity growth processes, from conjugate point digital ionograms. Radio Science, 2012, 47, .	1.6	25
77	Ionospheric response to 2-day planetary wave in the equatorial and low latitude regions. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 90-91, 164-171.	1.6	4
78	Equatorial ionosphere responses to two magnetic storms of moderate intensity from conjugate point observations in Brazil. Journal of Geophysical Research, 2012, 117, .	3.3	26
79	Radio occultation electron density profiles from the FORMOSAT-3/COSMIC satellites over the Brazilian region: A comparison with Digisonde data. Advances in Space Research, 2012, 49, 1553-1562.	2.6	23
80	Early morning enhancement in ionospheric electron density during intense magnetic storms. Advances in Space Research, 2012, 49, 1544-1552.	2.6	9
81	A statistical study of the response of the dayside equatorialF2layer to the main phase of intense geomagnetic storms as an indicator of penetration electric field. Journal of Geophysical Research, 2011, 116, .	3.3	24
82	Spread F occurrence over a southern anomaly crest location in Brazil during June solstice of solar minimum activity. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
83	Equatorial Ionization Anomaly: The Role of Thermospheric Winds and the Effects of the Geomagnetic Field Secular Variation. , 2011, , 317-328.		16
84	Longitudinal variation of equatorial spread F occurrence over South America. , 2011, , .		0
85	Spaced transmitter measurements of medium scale traveling ionospheric disturbances near the equator. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	21
86	Equatorial ionization anomaly and thermospheric meridional winds during two major storms over Brazilian low latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1535-1543.	1.6	22
87	Equatorial spread F echo and irregularity growth processes from conjugate point digital ionograms. , 2011, , .		0
88	Tomographic imaging of the equatorial and low-latitude ionosphere over central-eastern Brazil. Earth, Planets and Space, 2011, 63, 129-138.	2.5	16
89	Mesosphereâ€"Ionosphere Coupling Processes Observed in the F Layer Bottom-Side Oscillation. , 2011, , 163-175.		0
90	Measurements of the plasma vertical and zonal drift velocities: comparison of the results from Digisondes and Incoherent Scatter Radar during the COPEX campaign. , 2011, , .		0

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91	Parameterized Regional Ionospheric Model: a new version. , 2011, , .		0
92	Longitudinal differences in the equatorial spread F characteristics between Vietnam and Brazil. Advances in Space Research, 2010, 45, 351-360.	2.6	25
93	Parameterized Regional Ionospheric Model and a comparison of its results with experimental data and IRI representations. Advances in Space Research, 2010, 46, 1032-1038.	2.6	20
94	Solar flux effects on the equatorial evening vertical drift and meridional winds over Brazil: A comparison between observational data and the IRI model and the HWM representations. Advances in Space Research, 2010, 46, 1078-1085.	2.6	25
95	Equatorial ionosphere bottomâ€type spread F observed by OI 630.0 nm airglow imaging. Geophysical Research Letters, 2010, 37, .	4.0	27
96	Scintillationâ€producing Fresnelâ€scale irregularities associated with the regions of steepest TEC gradients adjacent to the equatorial ionization anomaly. Journal of Geophysical Research, 2010, 115, .	3.3	47
97	Magnetic conjugate point observations of kilometer and hundredâ€meter scale irregularities and zonal drifts. Journal of Geophysical Research, 2010, 115, .	3.3	25
98	AnÃ¡lise da ionosfera usando dados de receptores GPS durante um perÃodo de alta atividade solar e comparaÃ§Ã£o com dados de Digissondas. Revista Brasileira De Geofisica, 2009, 27, 565-582.	0.2	1
99	Overview and summary of the Spread F Experiment (SpreadFEx). Annales Geophysicae, 2009, 27, 2141-2155.	1.6	48
100	Simultaneous observation of ionospheric plasma bubbles and mesospheric gravity waves during the SpreadFEx Campaign. Annales Geophysicae, 2009, 27, 1477-1487.	1.6	115
101	The spread F Experiment (SpreadFEx): Program overview and first results. Earth, Planets and Space, 2009, 61, 411-430.	2.5	11
102	Possible influence of ultra-fast Kelvin wave on the equatorial ionosphere evening uplifting. Earth, Planets and Space, 2009, 61, 455-462.	2.5	21
103	On the responses to solar Xâ€ray flare and coronal mass ejection in the ionospheres of Mars and Earth. Geophysical Research Letters, 2009, 36, .	4.0	39
104	Equatorial evening prereversal vertical drift and spread F suppression by disturbance penetration electric fields. Geophysical Research Letters, 2009, 36, .	4.0	74
105	Zonal wave structures in the nighttime tropospheric density and temperature and in the D region ionosphere over Mars: Modeling and observations. Journal of Geophysical Research, 2009, 114, .	3.3	7
106	D, E, and F layers in the daytime at highâ€latitude terminator ionosphere of Mars: Comparison with Earth's ionosphere using COSMIC data. Journal of Geophysical Research, 2009, 114, .	3.3	42
107	Conjugate Point Equatorial Experiment (COPEX) campaign in Brazil: Electrodynamics highlights on spread F development conditions and dayâ€toâ€day variability. Journal of Geophysical Research, 2009, 114, .	3.3	90
108	Ionospheric zonal velocities at conjugate points over Brazil during the COPEX campaign: Experimental observations and theoretical validations. Journal of Geophysical Research, 2009, 114, .	3.3	59

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109	Gravity wave initiation of equatorial spread F/plasma bubble irregularities based on observational data from the SpreadFEx campaign. Annales Geophysicae, 2009, 27, 2607-2622.	1.6	183
110	OscilaÃ§Ãµes de 6-7 dias na mesosfera e ionosfera equatorial. , 2009, , .		0
111	F2 Peak parameters, drifts and spread F derived from digisonde ionograms for the COPEX campaign in Brazil. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1144-1158.	1.6	19
112	Equatorial spread F and sporadic E-layer connections during the Brazilian Conjugate Point Equatorial Experiment (COPEX). Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1133-1143.	1.6	34
113	GPS L-band scintillations and ionospheric irregularity zonal drifts inferred at equatorial and low-latitude regions. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1261-1272.	1.6	64
114	Solar flux effects on equatorial ionization anomaly and total electron content over Brazil: Observational results versus IRI representations. Advances in Space Research, 2008, 42, 617-625.	2.6	21
115	Abnormal evening vertical plasma drift and effects on ESF and EIA over Brazilâ€South Atlantic sector during the 30 October 2003 superstorm. Journal of Geophysical Research, 2008, 113, .	3.3	72
116	Gravity wave and tidal influences on equatorial spread F based on observations during the Spread F Experiment (SpreadFEx). Annales Geophysicae, 2008, 26, 3235-3252.	1.6	96
117	Simulation of the sporadicElayer response to prereversal associated evening vertical electric field enhancement near dip equator. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	33
118	Ionospheric responses to the October 2003 superstorm: Longitude/local time effects over equatorial low and middle latitudes. Journal of Geophysical Research, 2007, 112, .	3.3	73
119	Signatures of ultra fast Kelvin waves in the equatorial middle atmosphere and ionosphere. Geophysical Research Letters, 2007, 34, .	4.0	71
120	Correction to â€œSimulation of the sporadic E layer response to prereversal associated evening vertical electric field enhancement near dip equatorâ€• Journal of Geophysical Research, 2007, 112, .	3.3	0
121	Ultra Fast Kelvin waves in the equatorial upper atmosphere. , 2007, , .		0
122	Thermospheric meridional wind control of equatorial spread F and evening prereversal electric field. Geophysical Research Letters, 2006, 33, .	4.0	46
123	Planetary wave oscillations in mesospheric winds, equatorial evening prereversal electric field and spread F. Geophysical Research Letters, 2006, 33, .	4.0	49
124	Unusual early morning development of the equatorial anomaly in the Brazilian sector during the Halloween magnetic storm. Journal of Geophysical Research, 2006, 111, .	3.3	50
125	Two-day wave coupling of the low-latitude atmosphere-ionosphere system. Journal of Geophysical Research, 2006, 111, .	3.3	84
126	Signatures of 3â€“6 day planetary waves in the equatorial mesosphere and ionosphere. Annales Geophysicae, 2006, 24, 3343-3350.	1.6	61

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127	Numerical simulation of nighttime electron precipitation in the lower ionosphere over a sub-auroral region. Advances in Space Research, 2006, 37, 1051-1057.	2.6	7
128	Magnetic storm associated disturbance dynamo effects in the low and equatorial latitude ionosphere. Geophysical Monograph Series, 2006, , 283-304.	0.1	36
129	Equatorial F region evening vertical drift, and peak height, during southern winter months: A comparison of observational data with the IRI descriptions. Advances in Space Research, 2006, 37, 1007-1017.	2.6	32
130	Planetary wave signatures in the equatorial atmosphereâ€"ionosphere system, and mesosphere- E- and F-region coupling. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 509-522.	1.6	74
131	A comparison of ionospheric vertical drift velocities measured by Digisonde and Incoherent Scatter Radar at the magnetic equator. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 669-678.	1.6	41
132	Resultados Preliminares de Estudo do Comportamento da Camada F IonosfÃ©rica sob o Equador MagnÃ©tico a partir de Dados de Digissonda. , 2005, , .		0
133	The prereversal enhancement in the vertical drift for Fortaleza and the sporadic E layer. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1610-1617.	1.6	12
134	Study of the March 31, 2001 magnetic storm effects on the ionosphere using GPS data. Advances in Space Research, 2005, 36, 534-545.	2.6	21
135	7th Latin-American Conference on Space Geophysics, Atibaia, SP, Brazil, March 29â€"April 2, 2004. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1641.	1.6	0
136	South Atlantic magnetic anomaly ionization: A review and a new focus on electrodynamic effects in the equatorial ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1643-1657.	1.6	108
137	Evidence on 2-4 day oscillations of the equatorial ionosphere hâ€²F and mesospheric airglow emissions. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	38
138	Multistation digisonde observations of equatorial spread F in South America. Annales Geophysicae, 2004, 22, 3145-3153.	1.6	51
139	Equatorial F-layer heights, evening prereversal electric field, and night E-layer density in the American sector: IRI validation with observations. Advances in Space Research, 2004, 34, 1953-1965.	2.6	54
140	Ionospheric variability at Brazilian low and equatorial latitudes: comparison between observations and IRI model. Advances in Space Research, 2004, 34, 1894-1900.	2.6	76
141	Sporadic structures in the atmospheric sodium layer. Journal of Geophysical Research, 2004, 109, .	3.3	23
142	Equatorial electrojet 3-M irregularity dynamics during magnetic disturbances over Brazil: results from the new VHF radar at SÃ£o LuÃ±Ìs. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 1293-1308.	1.6	26
143	Ionospheric F3 layer: Implications for the IRI model. Advances in Space Research, 2003, 31, 607-611.	2.6	16
144	Spread-F at anomaly crest regions in the Indian and American longitudes. Advances in Space Research, 2003, 31, 717-727.	2.6	21

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145	Comparisons of IRI model and electron density data for the sub-equatorial station, Natal. Advances in Space Research, 2003, 31, 557-561.	2.6	3
146	An empirical model for the ionospheric electron content at low latitude in Brazil and a comparison with IRI95. Advances in Space Research, 2003, 31, 629-634.	2.6	7
147	Equatorial spread F statistics and empirical representation for IRI: A regional model for the Brazilian longitude sector. Advances in Space Research, 2003, 31, 703-716.	2.6	50
148	Comparison of low latitude F region peak densities, heights and equatorial EÃ—B drift from IRI with observational data and the Sheffield University plasmasphere ionosphere model. Advances in Space Research, 2003, 31, 501-505.	2.6	12
149	Equatorial evening prereversal electric field enhancement and sporadicElayer disruption: A manifestation ofEandFregion coupling. Journal of Geophysical Research, 2003, 108, .	3.3	87
150	Magnetospheric disturbance induced equatorial plasma bubble development and dynamics: A case study in Brazilian sector. Journal of Geophysical Research, 2003, 108, .	3.3	152
151	An investigation of ionospheric responses, and disturbance thermospheric winds, during magnetic storms over South American sector. Journal of Geophysical Research, 2002, 107, SIA 12-1.	3.3	27
152	Long term trends in the frequency of occurrence of the F3 layer over Fortaleza, Brazil. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1409-1412.	1.6	55
153	Equatorial electrojet irregularities investigations using a back-scatter radar and a digisonde at SÃ£o LuÄ±ìs: some initial results. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1425-1434.	1.6	28
154	Simultaneous lidar observation of a sporadic sodium layer, a â€œwallâ€•event in the OH and OI5577 airglow images and the meteor winds. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1327-1335.	1.6	24
155	Responses of the low-latitude ionosphere to very intense geomagnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 965-974.	1.6	80
156	Ionospheric modelling at low latitudes over Brazil during summer solar minimum. Advances in Space Research, 2000, 25, 133-138.	2.6	6
157	Equatorial spread F statistics in the American longitudes: Some problems relevant to ESF description in the IRI scheme. Advances in Space Research, 2000, 25, 113-124.	2.6	41
158	Variability of an additional layer in the equatorial ionosphere over Fortaleza. Journal of Geophysical Research, 2000, 105, 10603-10613.	3.3	44
159	Determination of vertical plasma drift and meridional wind using the Sheffield University Plasmasphere Ionosphere Model and ionospheric data at equatorial and low latitudes in Brazil: Summer solar minimum and maximum conditions. Journal of Geophysical Research, 2000, 105, 12813-12821.	3.3	27
160	F₃ layer observations at low and equatorial latitudes in Brazil. Geofisica International, 2000, 39, 57-64.	0.2	8
161	Occurrence of an additional layer in the ionosphere over Fortaleza. Advances in Space Research, 1999, 24, 1481-1484.	2.6	8
162	Observations of day-to-day variability in precursor signatures to equatorial F-region plasma depletions. Annales Geophysicae, 1999, 17, 1053-1063.	1.6	44

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163	Equatorial spread-F occurrence statistics in the American longitudes: Diurnal, seasonal and solar cycle variations. Advances in Space Research, 1998, 22, 851-854.	2.6	62
164	Lidar observations of atmospheric sodium at an equatorial location. Journal of Atmospheric and Solar-Terrestrial Physics, 1998, 60, 1773-1778.	1.6	13
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