Eurico de Paula

List of Publications by Year
in descending order

61 papers	3,144 citations	172457 29 h-index	149698 56 g-index
61 all docs	61 docs citations	61 times ranked	1385 citing authors

#	Article	IF	Citations
1	Ionospheric Disturbances Observed Following the Ridgecrest Earthquake of 4 July 2019 in California, USA. Remote Sensing, 2022, 14, 188.	4.0	6
2	Conjugated asymmetry of the onset and magnitude of GPS scintillation driven by the vertical plasma drift. GPS Solutions, 2022, 26, 1.	4.3	3
3	A GPS signal-in-space simulation model for equatorial and low latitudes in the Brazilian longitude sector. GPS Solutions, 2022, 26, .	4.3	2
4	Performance of 6 Different Global Navigation Satellite System Receivers at Low Latitude Under Moderate and Strong Scintillation. Earth and Space Science, 2021, 8, e2020EA001314.	2.6	14
5	Investigating Ionospheric Scintillation Effects on Multifrequency GPS Signals. Surveys in Geophysics, 2021, 42, 999-1025.	4.6	25
6	Numerical Modeling of Coseismic Tropospheric Disturbances Arising from the Unstable Acoustic Gravity Wave Energetics. Atmosphere, 2021, 12, 765.	2.3	0
7	Lâ€Band Synthetic Aperture Radar Observation of Ionospheric Density Irregularities at Equatorial Plasma Depletion Region. Geophysical Research Letters, 2021, 48, e2021GL093541.	4.0	3
8	Atmospheric Gravity Waves Observed in the Nightglow Following the 21 August 2017 Total Solar Eclipse. Geophysical Research Letters, 2020, 47, e2020GL088924.	4.0	7
9	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
10	Performance analysis of <i>Îº</i>-<i>Î¼</i> distribution for Global Positioning System (GPS) L1 frequency-related ionospheric fading channels. Journal of Space Weather and Space Climate, 2019, 9, A15.	3.3	5
11	Statistical evaluation of GLONASS amplitude scintillation over low latitudes in the Brazilian territory. Advances in Space Research, 2018, 61, 1776-1789.	2.6	28
12	Climatology of the scintillation onset over southern Brazil. Annales Geophysicae, 2018, 36, 565-576.	1.6	30
13	GPS availability and positioning issues when the signal paths are aligned with ionospheric plasma bubbles. GPS Solutions, 2018, 22, 1.	4.3	49
14	The variability of lowâ€latitude ionospheric amplitude and phase scintillation detected by a tripleâ€frequency GPS receiver. Radio Science, 2017, 52, 439-460.	1.6	57
15	Climatology and modeling of ionospheric scintillations and irregularity zonal drifts at the equatorial anomaly crest region. Annales Geophysicae, 2017, 35, 1201-1218.	1.6	40
16	Extended ionospheric amplitude scintillation model for GPS receivers. Radio Science, 2014, 49, 315-329.	1.6	37
17	On the distribution of GPS signal amplitudes during low-latitude ionospheric scintillation. GPS Solutions, 2013, 17, 499-510.	4.3	37
18	Ionospheric Scintillation and Dynamics of Fresnel-Scale Irregularities in the Inner Region of the Equatorial Ionization Anomaly. Surveys in Geophysics, 2013, 34, 233-251.	4.6	21

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19	Equatorial 150 km echoes and daytime F region vertical plasma drifts in the Brazilian longitude sector. Annales Geophysicae, 2013, 31, 1867-1876.	1.6	11
20	Modelling of the total electronic content and magnetic field anomalies generated by the 2011 Tohoku-Oki tsunami and associated acoustic-gravity waves. Geophysical Journal International, 2012, , no-no.	2.4	46
21	Imaging equatorial spread <i>F</i> irregularities with the SÃ£o LuÃs coherent backscatter radar interferometer. Radio Science, 2012, 47, .	1.6	7
22	Analysis of the Characteristics of Low-Latitude GPS Amplitude Scintillation Measured During Solar Maximum Conditions and Implications for Receiver Performance. Surveys in Geophysics, 2012, 33, 1107-1131.	4.6	45
23	Modulation of equatorial electrojet plasma waves by overshielding electric field during geomagnetic storms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	8
24	Equatorial scintillation calculations based on coherent scatter radar and C/NOFS data. Radio Science, 2011, 46, .	1.6	23
25	Tomographic imaging of the equatorial and low-latitude ionosphere over central-eastern Brazil. Earth, Planets and Space, 2011, 63, 129-138.	2.5	16
26	Storm-time total electron content and its response to penetration electric fields over South America. Annales Geophysicae, 2011, 29, 1765-1778.	1.6	23
27	On the characteristics of 150-km echoes observed in the Brazilian longitude sector by the 30 MHz SÃ£o LuÃs radar. Annales Geophysicae, 2011, 29, 1905-1916.	1.6	16
28	The Acoustic Gravity Wave Induced Disturbances in the Equatorial Ionosphere. , 2011, , 141-162.		9
29	Mesosphereâ€"Ionosphere Coupling Processes Observed in the F Layer Bottom-Side Oscillation. , 2011, , 163-175.		0
30	Thermospheric Meridional Wind Control on Equatorial Scintillations and the Role of the Evening F-Region Height Rise, EÃÃ—ÂB Drift Velocities and F2-Peak Density Gradients. Surveys in Geophysics, 2010, 31, 509-530.	4.6	15
31	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
32	Magnetic conjugate point observations of kilometer and hundredâ€meter scale irregularities and zonal drifts. Journal of Geophysical Research, 2010, 115, .	3.3	25
33	Survey and prediction of the ionospheric scintillation using data mining techniques. Space Weather, 2010, 8, n/a-n/a.	3.7	35
34	The impact of gravity waves rising from convection in the lower atmosphere on the generation and nonlinear evolution of equatorial bubble. Annales Geophysicae, 2009, 27, 1657-1668.	1.6	40
35	Overview and summary of the Spread F Experiment (SpreadFEx). Annales Geophysicae, 2009, 27, 2141-2155.	1.6	48
36	C/NOFS and radar observations during a convective ionospheric storm event over South America. Geophysical Research Letters, 2009, 36, .	4.0	18

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37	Equatorial zonal electric fields inferred from a 3â€Ð electrostatic potential model and groundâ€based magnetic field measurements. Journal of Geophysical Research, 2009, 114, .	3.3	6
38	Conjugate Point Equatorial Experiment (COPEX) campaign in Brazil: Electrodynamics highlights on spread <i>F</i> development conditions and dayâ€toâ€day variability. Journal of Geophysical Research, 2009, 114, .	3.3	90
39	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
40	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
41	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
42	Coherent backscatter radar imaging in Brazil: large-scale waves in the bottomside F-region at the onset of equatorial spread <I>F</I>. Annales Geophysicae, 2008, 26, 3355-3364.	1.6	29
43	Mapping and Survey of Plasma Bubbles over Brazilian Territory. Journal of Navigation, 2007, 60, 69-81.	1.7	36
44	GPS and ionospheric scintillations. Space Weather, 2007, 5, .	3.7	492
45	Observed solar radio burst effects on GPS/Wide Area Augmentation System carrier-to-noise ratio. Space Weather, 2006, 4, n/a-n/a.	3.7	64
46	VHF radar observations of the dip equatorial E-region during sunset in the Brazilian sector. Annales Geophysicae, 2006, 24, 1617-1623.	1.6	13
47	A Three-Dimensional Simulation of Collisional-Interchange-Instability in the Equatorial-Low-Latitude Ionosphere. Space Science Reviews, 2005, 121, 253-269.	8.1	25
48	An amplitude scintillation test pattern standard for evaluating GPS receiver performance. Space Weather, 2005, 3, n/a-n/a.	3.7	4
49	Equatorial spreadFirregularity characteristics over SÃ£o LuÃs, Brazil, using VHF radar and GPS scintillation techniques. Radio Science, 2004, 39, n/a-n/a.	1.6	47
50	Effects of the fringe field of Rayleigh-Taylor instability in the equatorialEand valley regions. Journal of Geophysical Research, 2004, 109, .	3.3	32
51	Size, shape, orientation, speed, and duration of GPS equatorial anomaly scintillations. Radio Science, 2004, 39, n/a-n/a.	1.6	103
52	The SÃ£o LuÃs 30 MHz coherent scatter ionospheric radar: System description and initial results. Radio Science, 2004, 39, n/a-n/a.	1.6	69
53	Understanding spaced-receiver zonal velocity estimation. Journal of Geophysical Research, 2004, 109, .	3.3	39
54	Multi-technique investigations of storm-time ionospheric irregularities over the SÃ£o LuÃs equatorial station in Brazil. Annales Geophysicae, 2004, 22, 3513-3522.	1.6	30

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55	Latitudinal variations of scintillation activity and zonal plasma drifts in South America. Radio Science, 2002, 37, 6-1-6-7.	1.6	58
56	Longitudinal ionospheric effects in the South Atlantic evening sector during solar maximum. Journal of Geophysical Research, 2002, 107, SIA 3-1.	3.3	1
57	Fading timescales associated with GPS signals and potential consequences. Radio Science, 2001, 36, 731-743.	1.6	118
58	Global Positioning System measurements of the ionospheric zonal apparent velocity at Cachoeira Paulista in Brazil. Journal of Geophysical Research, 2000, 105, 5317-5327.	3.3	75
59	Effects of the vertical plasma drift velocity on the generation and evolution of equatorial spreadF. Journal of Geophysical Research, 1999, 104, 19859-19869.	3.3	590
60	Equatorial ionospheric vertical plasma drift model over the Brazilian region. Journal of Geophysical Research, 1996, 101, 10887-10892.	3.3	65
61	The GNSS NavAer INCT Project Overview and Main Results. Journal of Aerospace Technology and Management, 0, 14, .	0.3	14