

# Cristiano M Wrasse

## List of Publications by Year in descending order

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53  
papers

1,048  
citations

331670

21  
h-index

434195

31  
g-index

57  
all docs

57  
docs citations

57  
times ranked

846  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous observation of ionospheric plasma bubbles and mesospheric gravity waves during the SpreadFEx Campaign. <i>Annales Geophysicae</i> , 2009, 27, 1477-1487.	1.6	115
2	Signatures of ultra fast Kelvin waves in the equatorial middle atmosphere and ionosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	71
3	Ionospheric TEC Weather Map Over South America. <i>Space Weather</i> , 2016, 14, 937-949.	3.7	54
4	Overview and summary of the Spread F Experiment (SpreadFEx). <i>Annales Geophysicae</i> , 2009, 27, 2141-2155.	1.6	48
5	Equatorial plasma bubble seeding by MSTIDs in the ionosphere. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	48
6	Periodic waves in the lower thermosphere observed by OI630nm airglow images. <i>Annales Geophysicae</i> , 2016, 34, 293-301.	1.6	42
7	Observations of GW/TID oscillations in the $F_2$ layer at low latitude during high and low solar activity, geomagnetic quiet and disturbed periods. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
8	Evidence on 2-4 day oscillations of the equatorial ionosphere $h'F_2$ and mesospheric airglow emissions. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	38
9	Characteristics of equatorial plasma bubbles observed by TEC map based on ground-based GNSS receivers over South America. <i>Annales Geophysicae</i> , 2018, 36, 91-100.	1.6	38
10	Large-scale traveling ionospheric disturbances observed by GPS dTEC maps over North and South America on Saint Patrick's Day storm in 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4755-4763.	2.4	37
11	Medium-Scale Traveling Ionospheric Disturbances Observed by Detrended Total Electron Content Maps Over Brazil. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2215-2227.	2.4	34
12	First observation of an undular mesospheric bore in a Doppler duct. <i>Annales Geophysicae</i> , 2009, 27, 1399-1406.	1.6	33
13	Mesospheric gravity waves observed near equatorial and low-middle latitude stations: wave characteristics and reverse ray tracing results. <i>Annales Geophysicae</i> , 2006, 24, 3229-3240.	1.6	32
14	Counter electrojet features in the Brazilian sector: simultaneous observation by radar, digital sounder and magnetometers. <i>Annales Geophysicae</i> , 2009, 27, 1593-1603.	1.6	31
15	Equatorial ionosphere bottom-type spread F observed by OI 630.0 nm airglow imaging. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	27
16	Observation of a mesospheric front in a thermal-doppler duct over King George Island, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12137-12147.	4.9	27
17	Observation of mesospheric gravity waves at Comandante Ferraz Antarctica Station (62° S). <i>Annales Geophysicae</i> , 2009, 27, 2593-2598.	1.6	26
18	Investigation of Nighttime MSTIDS Observed by Optical Thermosphere Imagers at Low Latitudes: Morphology, Propagation Direction, and Wind Filtering. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7843-7857.	2.4	25

#	ARTICLE	IF	CITATIONS
19	MLT gravity wave climatology in the South America equatorial region observed by airglow imager. <i>Annales Geophysicae</i> , 2007, 25, 399-406.	1.6	21
20	Possible influence of ultra-fast Kelvin wave on the equatorial ionosphere evening uplifting. <i>Earth, Planets and Space</i> , 2009, 61, 455-462.	2.5	21
21	Case study of a mesospheric wall event over Ferraz station, Antarctica (62° S). <i>Annales Geophysicae</i> , 2011, 29, 209-219.	1.6	21
22	Atmospheric scattering effects on ground-based measurements of thermospheric vertical wind, horizontal wind, and temperature. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7654-7669.	2.4	17
23	Intrinsic parameters of periodic waves observed in the OI6300 airglow layer over the Brazilian equatorial region. <i>Annales Geophysicae</i> , 2018, 36, 265-273.	1.6	16
24	Determinação dos parâmetros de ondas de gravidade através da análise espectral de imagens de aeroluminescência. <i>Revista Brasileira De Geofísica</i> , 2007, 25, .	0.2	14
25	VHF radar observations of the dip equatorial E-region during sunset in the Brazilian sector. <i>Annales Geophysicae</i> , 2006, 24, 1617-1623.	1.6	13
26	The spread F Experiment (SpreadFEx): Program overview and first results. <i>Earth, Planets and Space</i> , 2009, 61, 411-430.	2.5	11
27	Seasonal characteristics of small- and medium-scale gravity waves in the mesosphere and lower thermosphere over the Brazilian equatorial region. <i>Annales Geophysicae</i> , 2018, 36, 899-914.	1.6	11
28	Seasonal variation of plasma bubbles during solar cycle 23-24 over the Brazilian equatorial region. <i>Advances in Space Research</i> , 2019, 64, 1365-1374.	2.6	11
29	Equatorial Plasma Bubble Occurrence Under Propagation of MSTID and MLT Gravity Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027566.	2.4	10
30	Comparison of the OH (8-3) and (6-2) band rotational temperature of the mesospheric airglow emissions. <i>Revista Brasileira De Geofísica</i> , 2004, 22, 223-231.	0.2	9
31	Development of airglow oh temperature imager for mesospheric study. <i>Revista Brasileira De Geofísica</i> , 2007, 25, .	0.2	8
32	Twin mesospheric bores observed over Brazilian equatorial region. <i>Annales Geophysicae</i> , 2016, 34, 91-96.	1.6	8
33	Determination of gravity wave parameters in the airglow combining photometer and imager data. <i>Annales Geophysicae</i> , 2018, 36, 705-715.	1.6	8
34	Case study of mesospheric front dissipation observed over the northeast of Brazil. <i>Annales Geophysicae</i> , 2018, 36, 311-319.	1.6	8
35	Mesospheric front observations by the OH airglow imager carried out at Ferraz Station on King George Island, Antarctic Peninsula, in 2011. <i>Annales Geophysicae</i> , 2018, 36, 253-264.	1.6	8
36	Lunar tides in total electron content over Brazil. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7519-7529.	2.4	7

#	ARTICLE	IF	CITATIONS
37	Atmospheric Gravity Waves Observed in the Nightglow Following the 21 August 2017 Total Solar Eclipse. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088924.	4.0	7
38	Why Do Equatorial Plasma Bubbles Bifurcate?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028609.	2.4	6
39	OBSERVATIONS OF SMALL-SCALE GRAVITY WAVES IN THE EQUATORIAL UPPER MESOSPHERE. <i>Revista Brasileira De Geofisica</i> , 2017, 34, .	0.2	6
40	Asymmetric Development of Equatorial Plasma Bubbles Observed at Geomagnetically Conjugate Points Over the Brazilian Sector. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	6
41	Gravity Wave Investigations over Comandante Ferraz Antarctic Station in 2017: General Characteristics, Wind Filtering and Case Study. <i>Atmosphere</i> , 2020, 11, 880.	2.3	5
42	Long-Term Study on Medium-Scale Traveling Ionospheric Disturbances Observed over the South American Equatorial Region. <i>Atmosphere</i> , 2021, 12, 1409.	2.3	5
43	Case Studies on Concentric Gravity Waves Source Using Lightning Flash Rate, Brightness Temperature and Backward Ray Tracing at São Martinho da Serra (29.44°S, 53.82°W). <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034527.	3.3	4
44	Investigation of sources of gravity waves observed in the Brazilian equatorial region on 8 April 2005. <i>Annales Geophysicae</i> , 2020, 38, 507-516.	1.6	4
45	L-band Synthetic Aperture Radar Observation of Ionospheric Density Irregularities at Equatorial Plasma Depletion Region. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093541.	4.0	3
46	Semimonthly oscillation observed in the start times of equatorial plasma bubbles. <i>Annales Geophysicae</i> , 2020, 38, 437-443.	1.6	3
47	Imprint of Climate Variability on Mesozoic Fossil Tree Rings: Evidences of Solar Activity Signals on Environmental Records Around 200 Million Years Ago?. <i>Pure and Applied Geophysics</i> , 2014, 171, 1983-1991.	1.9	2
48	Disconnection and Reconnection in Plasma Bubbles Observed by OI 630 nm Airglow Images From Cariri Observatory. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	2
49	Reorganization of Photospheric Magnetic Fields in Active Regions During Energetic Flares. <i>Solar Physics</i> , 2016, 291, 1107-1114.	2.5	1
50	Influence of the semidiurnal lunar tide in the equatorial plasma bubble zonal drifts over Brazil. <i>Annales Geophysicae</i> , 2021, 39, 1005-1012.	1.6	1
51	Radio Noise Storms and the Connection with the Reorganization of Photospheric Magnetic Fields. <i>Solar Physics</i> , 2019, 294, 1.	2.5	0
52	Variability of the lunar semidiurnal tidal amplitudes in the ionosphere over Brazil. <i>Annales Geophysicae</i> , 2021, 39, 151-164.	1.6	0
53	Cálculo de parâmetros de ondas de gravidade de grande escala através de imagens de aeroluminescência. , 2009, , .		0