

Mariangel Fedrizzi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

413
citations

13
h-index

20
g-index

27
ext. papers

493
ext. citations

2.8
avg, IF

3.45
L-index

#	Paper	IF	Citations
25	A real-time run of the Coupled Thermosphere Ionosphere Plasmasphere Electrodynamics (CTIPE) model. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	46
24	Some Characteristics of the Ionospheric Behavior During the Solar Cycle 23 \mathbb{D} 4 Minimum. <i>Solar Physics</i> , 2011 , 274, 439-456	2.6	41
23	Global Joule heating index derived from thermospheric density physics-based modeling and observations. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	38
22	Data assimilation of thermospheric mass density. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	30
21	Did the January 2009 sudden stratospheric warming cool or warm the thermosphere?. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	30
20	Observed and modeled thermosphere and ionosphere response to superstorms. <i>Radio Science</i> , 2007 , 42, n/a-n/a	1.4	29
19	Modeling the ionosphere-thermosphere response to a geomagnetic storm using physics-based magnetospheric energy input: OpenGGCM-CTIM results. <i>Journal of Space Weather and Space Climate</i> , 2016 , 6, A25	2.5	26
18	An Ensemble Kalman Filter for the Thermosphere-Ionosphere. <i>Space Weather</i> , 2018 , 16, 57-68	3.7	23
17	Study of the March 31, 2001 magnetic storm effects on the ionosphere using GPS data. <i>Advances in Space Research</i> , 2005 , 36, 534-545	2.4	21
16	Validation of Ionospheric Specifications During Geomagnetic Storms: TEC and foF2 During the 2013 March Storm Event. <i>Space Weather</i> , 2018 , 16, 1686-1701	3.7	16
15	Space Weather Modeling Capabilities Assessment: Neutral Density for Orbit Determination at low Earth orbit. <i>Space Weather</i> , 2018 , 16, 1806-1816	3.7	16
14	Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?. <i>Space Weather</i> , 2019 , 17, 861-876	3.7	14
13	Mapping GPS-derived ionospheric Total Electron Content over Southern Africa during different epochs of solar cycle 23. <i>Advances in Space Research</i> , 2007 , 39, 821-829	2.4	13
12	CEDAR-GEM Challenge for Systematic Assessment of Ionosphere/Thermosphere Models in Predicting TEC During the 2006 December Storm Event. <i>Space Weather</i> , 2017 , 15, 1238-1256	3.7	11
11	Communications/Navigation Outage Forecasting System observational support for the equatorial E \mathbb{B} drift velocities associated with the four-cell tidal structures. <i>Radio Science</i> , 2011 , 46,	1.4	10
10	FIVE YEARS OF SYNTHESIS OF SOLAR SPECTRAL IRRADIANCE FROM SDID/SISA ANDSDO/AIA IMAGES. <i>Astrophysical Journal</i> , 2017 , 834, 54	4.7	9
9	On the difference between real-time and research simulations with CTIPE. <i>Advances in Space Research</i> , 2019 , 64, 2077-2087	2.4	8

8	Modeling the daytime, equatorial ionospheric ion densities associated with the observed, four-cell longitude patterns in E \times B drift velocities. <i>Radio Science</i> , 2012 , 47,	1.4	7
7	Thermosphere modeling capabilities assessment: geomagnetic storms. <i>Journal of Space Weather and Space Climate</i> , 2021 , 11, 12	2.5	7
6	Sources of F-Region Height Changes During Geomagnetic Storms at Mid Latitudes. <i>Geophysical Monograph Series</i> , 2013 , 247-258	1.1	4
5	Charting Satellite Courses in a Crowded Thermosphere. <i>Eos</i> , 2021 , 102,	1.5	4
4	How Might the Thermosphere and Ionosphere React to an Extreme Space Weather Event? 2018 , 513-539		3
3	Effect of Magnetic Storm Related Thermospheric Changes on the Evolution of Equatorial Plasma Bubbles. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2256-2270	2.6	3
2	Weak Magnetic Storms Can Modulate Ionosphere-Plasmasphere Interaction Significantly: Mechanisms and Manifestations at Mid-Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9665-9675	2.6	2
1	Influence of the geomagnetic activity on the GPS signal		2