

Maria Federica Marcucci

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4790480/maria-federica-marcucci-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

62

papers

930

citations

15

h-index

28

g-index

65

ext. papers

1,099

ext. citations

2.8

avg, IF

3.69

L-index

#	Paper	IF	Citations
62	On Turbulent Features of E _∥ Plasma Motion in the Auroral Topside Ionosphere: Some Results from CSES-01 Satellite. <i>Remote Sensing</i> , 2022 , 14, 1936	5	0
61	Sign-Singularity Analysis of Field-Aligned Currents in the Ionosphere. <i>Atmosphere</i> , 2021 , 12, 708	2.7	1
60	Electric Field Multifractal Features in the High-Latitude Ionosphere: CSES-01 Observations. <i>Atmosphere</i> , 2021 , 12, 646	2.7	4
59	Occurrence of GPS Loss of Lock Based on a Swarm Half-Solar Cycle Dataset and Its Relation to the Background Ionosphere. <i>Remote Sensing</i> , 2021 , 13, 2209	5	1
58	Echo occurrence in the southern polar ionosphere for the SuperDARN Dome C East and Dome C North radars. <i>Polar Science</i> , 2021 , 28, 100684	2.3	1
57	High-latitude polar pattern of ionospheric electron density: Scaling features and IMF dependence. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 217, 105531	2	2
56	Ionospheric Turbulence and the Equatorial Plasma Density Irregularities: Scaling Features and RODI. <i>Remote Sensing</i> , 2021 , 13, 759	5	5
55	Pre-flight Calibration and Near-Earth Commissioning Results of the Mercury Plasma Particle Experiment (MPPE) Onboard MMO (Mio). <i>Space Science Reviews</i> , 2021 , 217, 1	7.5	12
54	Open Issues in Statistical Forecasting of Solar Proton Events: A Machine Learning Perspective. <i>Space Weather</i> , 2021 , 19, e2021SW002794	3.7	1
53	On the Scaling Properties of Magnetic-field Fluctuations through the Inner Heliosphere. <i>Astrophysical Journal</i> , 2020 , 902, 84	4.7	7
52	From the Sun to Earth: effects of the 25 th August 2018 geomagnetic storm. <i>Annales Geophysicae</i> , 2020 , 38, 703-724	2	27
51	On Geometrical Invariants of the Magnetic Field Gradient Tensor in Turbulent Space Plasmas: Scale Variability in the Inertial Range. <i>Astrophysical Journal</i> , 2019 , 878, 124	4.7	3
50	Global Diagnostics of Ionospheric Absorption During X-Ray Solar Flares Based on 8- to 20-MHz Noise Measured by Over-the-Horizon Radars. <i>Space Weather</i> , 2019 , 17, 907-924	3.7	5
49	Multifractal and Chaotic Properties of Solar Wind at MHD and Kinetic Domains: An Empirical Mode Decomposition Approach. <i>Entropy</i> , 2019 , 21,	2.8	24
48	Estimation of the Particle Radiation Environment at the L1 Point and in Near-Earth Space. <i>Astrophysical Journal</i> , 2019 , 873, 112	4.7	6
47	On fast and slow Earth's magnetospheric dynamics during geomagnetic storms: a stochastic Langevin approach. <i>Journal of Space Weather and Space Climate</i> , 2018 , 8, A56	2.5	14
46	Beam tracking strategies for fast acquisition of solar wind velocity distribution functions with high energy and angular resolutions. <i>Annales Geophysicae</i> , 2018 , 36, 1285-1302	2	2

45	On the occurrence of magnetic reconnection equatorward of the cusps at the Earth's magnetopause during northward IMF conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 605-617	2.6	10
44	Scaling Features of High-Latitude Geomagnetic Field Fluctuations at Swarm Altitude: Impact of IMF Orientation. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,548-10,562	2.6	10
43	Comprehensive Analysis of the Geoeffective Solar Event of 21 June 2015: Effects on the Magnetosphere, Plasmasphere, and Ionosphere Systems. <i>Solar Physics</i> , 2017 , 292, 1	2.6	45
42	A Hilbert-Huang transform approach to space plasma turbulence at kinetic scales. <i>Journal of Physics: Conference Series</i> , 2017 , 900, 012003	0.3	13
41	Observations of high-latitude geomagnetic field fluctuations during St. Patrick's Day storm: Swarm and SuperDARN measurements. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	15
40	Importance of energy and angular resolutions in top-hat electrostatic analysers for solar wind proton measurements. <i>Journal of Instrumentation</i> , 2016 , 11, C08010-C08010	1	1
39	On the scaling features of magnetic field fluctuations at non-MHD scales in turbulent space plasmas. <i>Journal of Physics: Conference Series</i> , 2016 , 767, 012003	0.3	
38	Solar wind-driven Pc5 waves observed at a polar cap station and in the near cusp ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,145-11,156	2.6	5
37	2016 ,		2
36	STATISTICAL AND SCALING FEATURES OF FLUCTUATIONS IN THE DISSIPATION RANGE DURING A RECONNECTION EVENT. <i>Astrophysical Journal</i> , 2015 , 804, 19	4.7	3
35	The effect of diamagnetic drift on motion of the dayside magnetopause reconnection line. <i>Geophysical Research Letters</i> , 2015 , 42, 6129-6136	4.9	12
34	Recurrent flares in active region NOAA 11283. <i>Astronomy and Astrophysics</i> , 2015 , 582, A55	5.1	24
33	STATISTICS OF THE VELOCITY GRADIENT TENSOR IN SPACE PLASMA TURBULENT FLOWS. <i>Astrophysical Journal</i> , 2015 , 812, 84	4.7	5
32	Cosmic ray intensity for about five solar cycles. <i>Journal of Physics: Conference Series</i> , 2015 , 632, 012065	0.3	4
31	Observations of the relationship between ionospheric central polar cap and dayside throat convection velocities, and solar wind/IMF driving. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4684-4699	2.6	2
30	Observations of IMF coherent structures and their relationship to SEP dropout events. <i>Annales Geophysicae</i> , 2013 , 31, 1333-1341	2	22
29	SOLAR ENERGETIC PARTICLE MODULATIONS ASSOCIATED WITH COHERENT MAGNETIC STRUCTURES. <i>Astrophysical Journal</i> , 2013 , 770, 11	4.7	36
28	Performance test of a large modular cosmic-ray detector. <i>Journal of Physics: Conference Series</i> , 2013 , 409, 012045	0.3	

27	TC-1 observations of a flux rope: Generation by multiple X line reconnection. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
26	Dynamical changes of the polar cap potential structure: an information theory approach. <i>Nonlinear Processes in Geophysics</i> , 2011 , 18, 697-707	2.9	3
25	High kinetic energy density jets in the Earth's magnetosheath: A case study. <i>Planetary and Space Science</i> , 2011 , 59, 482-494	2	45
24	Effects of Abrupt Variations of Solar Wind Dynamic Pressure on the High-Latitude Ionosphere. <i>International Journal of Geophysics</i> , 2011 , 2011, 1-8	2	3
23	Global reconnection topology as inferred from plasma observations inside Kelvin-Helmholtz vortices. <i>Annales Geophysicae</i> , 2010 , 28, 893-906	2	13
22	Interplanetary shock transmitted into the Earth's magnetosheath: Cluster and Double Star observations. <i>Annales Geophysicae</i> , 2010 , 28, 1141-1156	2	29
21	Future Extension of the Super Dual Auroral Radar Network. <i>Earth, Moon and Planets</i> , 2009 , 104, 29-31	0.6	
20	Cross-scale: multi-scale coupling in space plasmas. <i>Experimental Astronomy</i> , 2009 , 23, 1001-1015	1.3	14
19	ANN forecast of hourly averaged AE index based on L1 IMF and plasma measurements. <i>Acta Geophysica</i> , 2009 , 57, 185-196	2.2	2
18	Different responses of northern and southern high latitude ionospheric convection to IMF rotations: a case study based on SuperDARN observations. <i>Annales Geophysicae</i> , 2009 , 27, 2423-2438	2	4
17	Extended SuperDARN and IMAGE observations for northward IMF: Evidence for dual lobe reconnection. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		10
16	Occurrence of reconnection jets at the dayside magnetopause: Double Star observations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		70
15	AE index forecast at different time scales through an ANN algorithm based on L1 IMF and plasma measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 663-668	2	15
14	Comparison between three algorithms for Dst predictions over the 2003-2005 period. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 496-502	2	15
13	Structure of the separatrix region close to a magnetic reconnection X-line: Cluster observations. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	75
12	Kinetic signatures during a quasi-continuous lobe reconnection event: Cluster Ion Spectrometer (CIS) observations. <i>Journal of Geophysical Research</i> , 2006 , 111,		13
11	Ion composition and pressure changes in storm time and nonstorm substorms in the vicinity of the near-Earth neutral line. <i>Journal of Geophysical Research</i> , 2006 , 111,		77
10	Experimental study of nonlinear interaction of plasma flow with charged thin current sheets: 1. Boundary structure and motion. <i>Nonlinear Processes in Geophysics</i> , 2006 , 13, 365-376	2.9	11

9	Contribution of nonadiabatic ions to the cross-tail current in an O ⁺ dominated thin current sheet. <i>Journal of Geophysical Research</i> , 2005 , 110,		97
8	Effects on SuperDARN HF radar echoes of sudden impulses of solar wind dynamic pressure. <i>Annales Geophysicae</i> , 2005 , 23, 1771-1783	2	5
7	Cluster multispacecraft observations at the high-latitude duskside magnetopause: implications for continuous and component magnetic reconnection. <i>Annales Geophysicae</i> , 2005 , 23, 461-473	2	42
6	Investigation of the source region of ionospheric oxygen outflow in the cleft/cusp using multi-spacecraft observations by CIS onboard Cluster. <i>Advances in Space Research</i> , 2004 , 34, 2459-2464	2.4	11
5	Energetic magnetospheric oxygen in the magnetosheath and its response to IMF orientation: Cluster observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		25
4	Ion injections at auroral latitude during the March 31, 2001 magnetic storm observed by Cluster. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	5
3	Motion of auroral ion outflow structures observed with CLUSTER and IMAGE FUV. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 17-1-SMP 17-11		6
2	Auroral activity and antarctic stratospheric ozone. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 1999 , 24, 141-146		
1	Particle energization in space plasmas: towards a multi-point, multi-scale plasma observatory. <i>Experimental Astronomy</i> , 1	1.3	2