

Maria Virgã-*nia* Alves Martins

List of Publications by Year in descending order

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44
papers

1,066
citations

687363

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964
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Mechanisms Associated With High-Energy Electron Flux Dropout in the Earth's Outer Radiation Belt Under the Influence of a Coronal Mass Ejection Sheath Region. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	9
2	High-Energy Electron Flux Enhancement Pattern in the Outer Radiation Belt in Response to the Alfvénic Fluctuations Within High-Speed Solar Wind Stream: A Statistical Analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029363.	2.4	10
3	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1660-1678.	2.4	14
4	On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12—A Case Study*. <i>Astrophysical Journal</i> , 2019, 872, 36.	4.5	8
5	A Global Magnetohydrodynamic Simulation Study of Ultra-low-frequency Wave Activity in the Inner Magnetosphere: Corotating Interaction Region + Alfvénic Fluctuations. <i>Astrophysical Journal</i> , 2019, 886, 59.	4.5	5
6	Nonlocal heat flux effects on temperature evolution of the solar atmosphere. <i>Astronomy and Astrophysics</i> , 2018, 615, A32.	5.1	3
7	Auroral precipitating energy during long magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6007-6021.	2.4	3
8	Statistical analysis of 26 yr of observations of decametric radio emissions from Jupiter. <i>Astronomy and Astrophysics</i> , 2017, 604, A17.	5.1	39
9	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. <i>Solar Physics</i> , 2017, 292, 1.	2.5	7
10	Radiação quilmétrica auroral. <i>Revista Brasileira De Ensino De Fisica</i> , 2015, 37, 4312-1-4312-13.	0.2	0
11	CROSS-FIELD DIFFUSION OF ENERGETIC (100 keV to 2 MeV) PROTONS IN INTERPLANETARY SPACE. <i>Astrophysical Journal</i> , 2013, 778, 180.	4.5	7
12	Signatures of two distinct driving mechanisms in the evolution of coronal mass ejections in the lower corona. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	10
13	O vento solar e a atividade geomagnética. <i>Revista Brasileira De Ensino De Fisica</i> , 2011, 33, 4301-4301.	0.2	2
14	Geoeffectiveness of solar wind interplanetary magnetic structures. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1380-1384.	1.6	26
15	Influence of electron nongyrotropy and anisotropy on parallel wave propagation: Numerical solution of dispersion relation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1511-1519.	1.6	2
16	A computational study of nonresonant cross-field diffusion of energetic particles due to their interaction with interplanetary magnetic decreases. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 1405-1409.	1.6	5
17	Ondas de Alfvén no meio interplanetário. <i>Revista Brasileira De Ensino De Fisica</i> , 2011, 33, .	0.2	0
18	One-dimensional electromagnetic simulation of multiple electron beams propagating in space plasmas. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	4

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19	Dynamics of coronal mass ejections in the interplanetary medium. <i>Astronomy and Astrophysics</i> , 2009, 498, 885-889.	5.1	38
20	On the relation between DC current locations and an EUV bright point: A case study. <i>Astronomy and Astrophysics</i> , 2008, 490, 345-352.	5.1	12
21	Magnetospheric energetics during HILDCAAs. <i>Geophysical Monograph Series</i> , 2006, , 175-182.	0.1	19
22	Geoeffectiveness of corotating interaction regions as measured byDstindex. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	110
23	On the geomagnetic effects of solar wind interplanetary magnetic structures. <i>Space Weather</i> , 2006, 4, n/a-n/a.	3.7	34
24	Minimum Variance Analysis of Interplanetary Coronal Mass Ejections Around Solar Cycle 23 Maximum (1998â€“2002). <i>Solar Physics</i> , 2006, 233, 249-263.	2.5	7
25	Energy mode distribution: An analysis of the ratio of anti-Stokes to Stokes amplitudes generated by a pair of counterpropagating Langmuir waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 1680-1686.	1.6	1
26	A statistical study of magnetic cloud parameters and geoeffectiveness. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 839-852.	1.6	45
27	On the preferential occurrence of interplanetary shocks in July and November: Causes (solar wind) Tj ETQq1 1 0.784314 rgBT /Overload 2005, 110, .	3.3	9
28	Geoeffectiveness of interplanetary shocks during solar minimum (1995â€“1996) and solar maximum (2000). <i>Solar Physics</i> , 2004, 221, 361-380.	2.5	44
29	Langmuir Turbulence and Solar Radio Bursts. <i>Space Science Reviews</i> , 2003, 107, 507-514.	8.1	1
30	Physics of Plasma Radiation. <i>Progress of Theoretical Physics Supplement</i> , 2003, 151, 226-233.	0.1	0
31	Langmuir Turbulence and Solar Radio Bursts. , 2003, , 507-514.		1
32	Spectral contents of electron waves under strong Langmuir turbulence. <i>Brazilian Journal of Physics</i> , 2003, 33, 798-805.	1.4	1
33	A theory of the fundamental plasma emission of type-III solar radio bursts. <i>Astronomy and Astrophysics</i> , 2002, 390, 351-357.	5.1	5
34	Nonlinear dynamics of electron flows with density gradient in spherical diodes. <i>Physics of Plasmas</i> , 2000, 7, 2798-2809.	1.9	1
35	Ion sound wave excitation in a plasma under a Langmuir turbulence regime. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 248, 86-91.	2.1	5
36	A particle-in-cell simulation of nonlinear amplification of inverse Bremsstrahlung electron acceleration. <i>Journal Physics D: Applied Physics</i> , 1997, 30, 1759-1762.	2.8	1

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37	Particle simulations of divergent and convergent radial electron flows in cylindrical Pierce diodes. <i>Physics of Plasmas</i> , 1997, 4, 3049-3063.	1.9	5
38	Effect of beam density on nonlinear amplification of inverse-bremsstrahlung electron acceleration. <i>Journal of Plasma Physics</i> , 1997, 57, 697-707.	2.1	2
39	COHERENT GENERATION OF NARROW-BAND CIRCULARLY POLARIZED RADIO BURSTS FROM THE SUN AND FLARE STARS. <i>Solar Physics</i> , 1997, 173, 199-202.	2.5	12
40	Simultaneous Potential and Circuit Solution for 1D Bounded Plasma Particle Simulation Codes. <i>Journal of Computational Physics</i> , 1993, 104, 321-328.	3.8	393
41	High-gain free-electron-laser amplifier with warm plasma background: linear analysis. <i>IEEE Transactions on Plasma Science</i> , 1993, 21, 243-249.	1.3	27
42	Sheath voltage ratio for asymmetric rf discharges. <i>Journal of Applied Physics</i> , 1991, 69, 3823-3829.	2.5	42
43	A one-dimensional collisional model for plasma-immersion ion implantation. <i>Journal of Applied Physics</i> , 1991, 69, 2008-2014.	2.5	64
44	Nonlinear generation of the fundamental radiation of interplanetary type III radio bursts. <i>Astrophysical Journal</i> , 1988, 330, L77.	4.5	33