Alisson Dal Lago

List of Publications by Year
in descending order

64 papers	1,469 citations	331538 21 h-index	330025 37 g-index
66 all docs	66 docs citations	66 times ranked	1196 citing authors

#	Article	IF	Citations
1	The association of coronal mass ejections with their effects near the Earth. Annales Geophysicae, 2005, 23, 1033-1059.	0.6	328
2	Interplanetary Origin of Intense, Superintense and Extreme Geomagnetic Storms. Space Science Reviews, 2011, 158, 69-89.	3.7	87
3	Magnetic cloud field intensities and solar wind velocities. Geophysical Research Letters, 1998, 25, 963-966.	1.5	84
4	Introduction to space weather. Advances in Space Research, 2005, 35, 855-865.	1.2	83
5	Multi-viewpoint Coronal Mass Ejection Catalog Based on STEREO COR2 Observations. Astrophysical Journal, 2017, 838, 141.	1.6	77
6	Long-term correlation between solar and geomagnetic activity. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1019-1025.	0.6	73
7	Solar and interplanetary causes of very intense geomagnetic storms. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 403-412.	0.6	48
8	Relation between the radial speed and theexpansion speed of coronal mass ejections. Advances in Space Research, 2003, 32, 2637-2640.	1.2	46
9	Determination of interplanetary coronal mass ejection geometry and orientation from groundâ€based observations of galactic cosmic rays. Journal of Geophysical Research, 2009, 114, .	3.3	41
10	Drift Effects and the Cosmic Ray Density Gradient in a Solar Rotation Period: First Observation with the Global Muon Detector Network (GMDN). Astrophysical Journal, 2008, 681, 693-707.	1.6	40
11	Prediction of peak-Dst from halo CME/magnetic cloud-speed observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 161-165.	0.6	36
12	Interplanetary shock parameters during solar activity maximum (2000) and minimum (1995-1996). Brazilian Journal of Physics, 2003, 33, 115-122.	0.7	35
13	THE TEMPERATURE EFFECT IN SECONDARY COSMIC RAYS (MUONS) OBSERVED AT THE GROUND: ANALYSIS OF THE GLOBAL MUON DETECTOR NETWORK DATA. Astrophysical Journal, 2016, 830, 88.	1.6	30
14	Compression of magnetic clouds in interplanetary space and increase in their geoeffectiveness. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 451-455.	0.6	28
15	Comparison Between Halo cme Expansion Speeds Observed on the Sun, the Related Shock Transit Speeds to Earth and Corresponding Ejecta Speeds at 1Âau. Solar Physics, 2004, 222, 323-328.	1.0	28
16	The 17â€"22 October (1999) solar-interplanetary-geomagnetic event: Very intense geomagnetic storm associated with a pressure balance between interplanetary coronal mass ejection and a high-speed stream. Journal of Geophysical Research, 2006, 111, .	3.3	27
17	How Reliable Are the Properties of Coronal Mass Ejections Measured from a Single Viewpoint?. Astrophysical Journal, 2018, 863, 57.	1.6	27
18	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. Geophysical Research Letters, 2016, 43, 978-987.	1.5	26

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19	A study of magnetic storms development in two or more steps and its association with the polarity of magnetic clouds. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 457-461.	0.6	23
20	PRECURSORS OF THE FORBUSH DECREASE ON 2006 DECEMBER 14 OBSERVED WITH THE GLOBAL MUON DETECTOR NETWORK (GMDN). Astrophysical Journal, 2010, 715, 1239-1247.	1.6	23
21	Global Muon Detector Network Used for Space Weather Applications. Space Science Reviews, 2014, 182, 1-18.	3.7	22
22	Interplanetary shock wave extent in the inner heliosphere as observed by multiple spacecraft. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1281-1292.	0.6	18
23	Great geomagnetic storms in the rise and maximum of solar cycle 23. Brazilian Journal of Physics, 2004, 34, 1542-1546.	0.7	17
24	Geomagnetic storm's precursors observed from 2001 to 2007 with the Global Muon Detector Network (GMDN). Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
25	Energy balance during intense and super-intense magnetic storms using an Akasofu Îµ parameter corrected by the solar wind dynamic pressure. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1851-1863.	0.6	15
26	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a Highâ€Speed Solar Wind Stream Observed in September 2014. Journal of Geophysical Research: Space Physics, 2019, 124, 1660-1678.	0.8	14
27	Cosmic-Ray Short Burst Observed with the Global Muon Detector Network (GMDN) on 2015 June 22. Astrophysical Journal, 2018, 862, 170.	1.6	10
28	Highâ€Energy Electron Flux Enhancement Pattern in the Outer Radiation Belt in Response to the AlfvÃ©nic Fluctuations Within Highâ€Speed Solar Wind Stream: A Statistical Analysis. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029363.	0.8	10
29	Interplanetary shocks and sudden impulses during solar maximum (2000) and solar minimum (1995â€“1996). Advances in Space Research, 2005, 36, 2313-2317.	1.2	9
30	Pseudo-automatic Determination of Coronal Mass Ejectionsâ€™ Kinematics in 3D. Astrophysical Journal, 2017, 842, 134.	1.6	9
31	Dynamic Mechanisms Associated With Highâ€Energy Electron Flux Dropout in the Earth's Outer Radiation Belt Under the Influence of a Coronal Mass Ejection Sheath Region. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	9
32	The spatial density gradient of galactic cosmic rays and its solar cycle variation observed with the Global Muon Detector Network. Earth, Planets and Space, 2014, 66, .	0.9	8
33	Analysis of Cosmic Rays' Atmospheric Effects and Their Relationships to Cutoff Rigidity and Zenith Angle Using Global Muon Detector Network Data. Journal of Geophysical Research: Space Physics, 2019, 124, 9791-9813.	0.8	8
34	On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12â€"A Case Study*. Astrophysical Journal, 2019, 872, 36.	1.6	8
35	Near 13.5-day periodicity in Muon Detector data during late 2001 and early 2002. Advances in Space Research, 2012, 49, 1615-1622.	1.2	7
36	Pseudo-automatic characterization of the morphological and kinematical properties of coronal mass ejections using a texture-based technique. Advances in Space Research, 2013, 51, 1949-1965.	1.2	7

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37	Very intense geomagnetic storms and their relation to interplanetary and solar active phenomena. Advances in Space Research, 2013, 51, 1842-1856.	1.2	7
38	Temperature effect correction for the cosmic ray muon data observed at the Brazilian Southern Space Observatory in SÃ£o Martinho da Serra. Journal of Physics: Conference Series, 2013, 409, 012138.	0.3	7
39	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. Solar Physics, 2017, 292, 1.	1.0	7
40	A Peculiar ICME Event in August 2018 Observed With the Global Muon Detector Network. Space Weather, 2021, 19, e2020SW002531.	1.3	7
41	Stream-interacting magnetic clouds causing very intense geomagnetic storms. Advances in Space Research, 2002, 30, 2225-2229.	1.2	6
42	Coronal mass ejection speeds measured in the solar corona using LASCO C2 and C3 images. Advances in Space Research, 2003, 32, 2619-2624.	1.2	6
43	AVERAGE SPATIAL DISTRIBUTION OF COSMIC RAYS BEHIND THE INTERPLANETARY SHOCKâ€"GLOBAL MUON DETECTOR NETWORK OBSERVATIONS. Astrophysical Journal, 2016, 825, 100.	1.6	6
44	A neural network approach for identifying particle pitch angle distributions in Van Allen Probes data. Space Weather, 2016, 14, 275-284.	1.3	5
45	A Global Magnetohydrodynamic Simulation Study of Ultra-low-frequency Wave Activity in the Inner Magnetosphere: Corotating Interaction Region + AlfvÃ©nic Fluctuations. Astrophysical Journal, 2019, 886, 59.	1.6	5
46	Predicting the Time of Arrival of Coronal Mass Ejections at Earth From Heliospheric Imaging Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027885.	0.8	5
47	Muon and neutron observations in connection with the corotating interaction regions. Advances in Space Research, 2007, 40, 348-352.	1.2	4
48	A study of the geoeffectiveness of southward interplanetary magnetic field structures. Advances in Space Research, 2002, 30, 2335-2338.	1.2	3
49	Continuous tracking of cmes using MICA, andLASCO C2 and C3 coronagraphs. Advances in Space Research, 2003, 32, 2625-2630.	1.2	3
50	CORONAL MASS EJECTION DYNAMICS REGARDING RADIAL AND EXPANSION SPEEDS. Astrophysical Journal, 2011, 738, 107.	1.6	3
51	Comparison of geophysical patterns in the southern hemisphere mid-latitude region. Advances in Space Research, 2016, 58, 2090-2103.	1.2	3
52	Multi-Scale Analysis of the Geomagnetic Symmetric Index (sym). Solar Physics, 2003, 217, 383-394.	1.0	2
53	Interplanetary shocks and geomagnetic activity during solar maximum (2000) and solar minimum (1995â€"1996). Advances in Space Research, 2005, 36, 2318-2322.	1.2	2
54	Multi-spacecraft observed magnetic clouds as seen by Helios mission. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1361-1371.	0.6	2

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55	CME dynamics using coronagraph and interplanetary ejecta data. Advances in Space Research, 2013, 51, 1942-1948.	1.2	2
56	Deriving the solar activity cycle modulation on cosmic ray intensity observed by Nagoya muon detector from October 1970 until December 2012. Proceedings of the International Astronomical Union, 2016, 12, 130-133.	0.0	2
57	The solar origins of the Sun-Earth connection events on April 1999 and February 2000. Brazilian Journal of Physics, 2004, 34, 1745-1747.	0.7	2
58	Effects of ICMEs on High Energetic Particles as Observed by the Global Muon Detector Network (GMDN). Proceedings of the International Astronomical Union, 2017, 13, 69-74.	0.0	1
59	Electromagnetic Ion Cyclotron Waves Pattern Recognition Based on a Deep Learning Technique: Bag-of-Features Algorithm Applied to Spectrograms. Astrophysical Journal, Supplement Series, 2020, 249, 13.	3.0	1
60	Reply to comments on the paper â€œLong term correlation between solar and geomagnetic activityâ€. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1375-1376.	0.6	0
61	Multi-spacecraft observations to study the shock extension in the inner heliosphere. Proceedings of the International Astronomical Union, 2008, 4, 481-487.	0.0	0
62	On Cosmic Rays, IP Structures and Geospace Consequences During WHI. Proceedings of the International Astronomical Union, 2009, 5, 488-490.	0.0	0
63	Space Weather and the Global Muon Detector Network â€“ GMDN. , 2011, , .		0
64	A proposal of a counting and recording system for cosmic ray muon detectors. Journal of Physics: Conference Series, 2013, 409, 012137.	0.3	0