

Mauro Messerotti

List of Publications by Year in descending order

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69
papers

952
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567144

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times ranked

1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiterâ€™Parker Solar Probe Quadrature. <i>Astrophysical Journal Letters</i> , 2021, 920, L14.	3.0	25
2	Current state and perspectives of Space Weather science in Italy. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 6.	1.1	18
3	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. <i>Astronomy and Astrophysics</i> , 2020, 642, A10.	2.1	115
4	Solar radio emission surveillance by the Trieste Solar Radio System 2.0. , 2020, , .		0
5	Solar Radio Diagnostic for Space Weather with the Trieste Solar Radio System 2.0. , 2020, , .		1
6	Radio Observations for Space Weather. , 2019, , .		4
7	Assessment and recommendations for a consolidated European approach to space weather â€™ as part of a global space weather effort. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A37.	1.1	17
8	Pilot Ionosonde Network for Identification of Traveling Ionospheric Disturbances. <i>Radio Science</i> , 2018, 53, 365-378.	0.8	41
9	Halo coronal mass ejections during Solar Cycle 24: reconstruction of the global scenario and geoeffectiveness. <i>Journal of Space Weather and Space Climate</i> , 2018, 8, A09.	1.1	22
10	Extreme Space Weather Events and Military Operations. , 2018, , .		2
11	Solar Radio Spectrography: Comprehensive Diagnostics for Space Weather Applications. , 2018, , .		4
12	High-Resolution Imaging of the Solar Chromosphere in the Centimetre-Millimetre Band Through Single-Dish Observations. , 2018, , .		2
13	Doing Science with Nano-satellites. <i>Lecture Notes in Geoinformation and Cartography</i> , 2018, , 205-213.	0.5	3
14	Defining and Characterising Heliospheric Weather and Climate. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 226-231.	0.0	3
15	Radio science for space weather. , 2016, , .		5
16	Performance assessment of GPS receivers during the September 24, 2011 solar radio burst event. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A32.	1.1	16
17	Plasma diagnostics via radio weather phenomena: Relevance and criticalities. , 2015, , .		0
18	Developing Space Weather products and services in Europe â€™ Preface to the Special Issue on COST Action ES0803. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, E1.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Exploitation, dissemination, education and outreach in the frame of the COST action ES0803 – developing space weather products and services in Europe. Journal of Space Weather and Space Climate, 2014, 4, A05.	1.1	3
20	HELIO: Discovery and analysis of data in heliophysics. Future Generation Computer Systems, 2013, 29, 2157-2168.	4.9	8
21	Studying Sun – Planet Connections Using the Heliophysics Integrated Observatory (HELIO). Solar Physics, 2012, 280, 603-621.	1.0	9
22	Solar Flare Occurrence Rate and Waiting Time Statistics. Solar Physics, 2012, 281, 651-667.	1.0	6
23	HELIO: Discovery and Analysis of Data in Heliophysics. , 2011, , .		5
24	HELIO: The Heliophysics Integrated Observatory. Advances in Space Research, 2011, 47, 2235-2239.	1.2	20
25	Investigations of a simulated geomagnetic field experienced by the international space station on attentional performance. Bioelectromagnetics, 2009, 30, 45-51.	0.9	3
26	A Terrella Device for Simulating Aurora-Like Phenomena in a Box. Earth, Moon and Planets, 2009, 104, 55-58.	0.3	2
27	The Electronic Geophysical Year (eGY) in Europe: Organization and Activities. Earth, Moon and Planets, 2009, 104, 59-61.	0.3	1
28	TSRS as a Solar Radio Noise Monitor for Communication and Navigation Systems. Earth, Moon and Planets, 2009, 104, 51-54.	0.3	3
29	Solar Weather Event Modelling and Prediction. Space Science Reviews, 2009, 147, 121-185.	3.7	31
30	The State of Space Weather Scientific Modeling – An Introduction. Space Science Reviews, 2009, 147, 111-120.	3.7	8
31	Solar activity and life: a review. Acta Geophysica, 2009, 57, 64-74.	1.0	4
32	Renewed Support Dawns in Europe: An Action to Develop Space Weather Products and Services. Space Weather, 2009, 7, n/a-n/a.	1.3	6
33	Astronomical and Astrobiological Imprints on the Fossil Records: A Review. Cellular Origin and Life in Extreme Habitats, 2009, , 389-408.	0.3	2
34	Observing, modeling and predicting the effects of solar radio bursts on radio communications. AIP Conference Proceedings, 2008, , .	0.3	3
35	Advances in Space Meteorology Modeling and Predicting - the Key Factor of Life Evolution. , 2006, , 133-143.		2
36	Simulation of the geomagnetic field experienced by the International Space Station in its revolution around the Earth: Effects on psychophysiological responses to affective picture viewing. Neuroscience Letters, 2006, 400, 197-202.	1.0	11

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37	Classification and Properties of Supershort Solar Radio Bursts. <i>Astrophysical Journal</i> , 2006, 642, L77-L80.	1.6	22
38	A New Way to look at Observations with EGSO. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 229.	0.0	0
39	AtmoCube: observation of the Earth atmosphere from the space to study "space weather" effects. , 2003, , .		6
40	Full-disk magnetic oscillations in the solar photosphere. <i>Astronomy and Astrophysics</i> , 2003, 403, 297-302.	2.1	9
41	Temporal aspects and frequency distributions of solar soft X-ray flares. <i>Astronomy and Astrophysics</i> , 2002, 382, 1070-1080.	2.1	191
42	An interpretation of the $\vec{I-V}$ phase background based on observed plasma jets. <i>Astronomy and Astrophysics</i> , 2002, 395, 293-296.	2.1	3
43	The source of the solar oscillations: Convective or magnetic?. <i>Astronomy and Astrophysics</i> , 2001, 372, 1038-1047.	2.1	13
44	Statistical analysis of solar H α flares. <i>Astronomy and Astrophysics</i> , 2001, 375, 1049-1061.	2.1	93
45	Solar Activity Monitoring and Flare Alerting at KanzelhÃ¶he Solar Observatory. <i>Astrophysics and Space Science Library</i> , 2001, , 227-230.	1.0	1
46	Observations of NOAA 8210 Using MOF and DHC of KanzelhÃ¶he Solar Observatory. <i>Astrophysics and Space Science Library</i> , 2001, , 259-262.	1.0	0
47	Analytical Modeling of Composed Cylindrical Magnetic Structures in the Corona. <i>Astrophysics and Space Science Library</i> , 2001, , 231-234.	1.0	1
48	Comparison of Local and Global Fractal Dimension Determination Methods. <i>Astrophysics and Space Science Library</i> , 2001, , 315-318.	1.0	0
49	Coincidences Between Magnetic Oscillations and H \pm Bright Points. <i>Astrophysics and Space Science Library</i> , 2001, , 243-246.	1.0	0
50	<title>Evaluation of a low-end architecture for collaborative software development, remote observing, and data analysis from multiple sites</title>. , 2000, 4011, 11.		0
51	NOAA AR 8210: EVOLUTION AND FLARES FROM MULTIBAND DIAGNOSTICS. <i>Solar Physics</i> , 2000, 194, 103-120.	1.0	28
52	Title is missing!. <i>Solar Physics</i> , 1999, 185, 193-204.	1.0	4
53	Motions in the Solar Atmosphere. <i>Astrophysics and Space Science Library</i> , 1999, , .	1.0	3
54	Localized Measures of Solar Radio Bursts. <i>Astrophysics and Space Science Library</i> , 1999, , 255-258.	1.0	0

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55	Fine structures in time profiles of type II bursts at frequencies above 200 MHz. Solar Physics, 1993, 144, 373-384.	1.0	29
56	VLA and Trieste observations of type I storms, type IV and pulsations. Solar Physics, 1992, 141, 165-180.	1.0	25
57	The role of the magnetic field intensity and geometry in the type III burst generation. Solar Physics, 1990, 130, 31-37.	1.0	8
58	Analysis of the time profile of type III bursts at meter wavelengths. Solar Physics, 1990, 130, 131-138.	1.0	7
59	A note on the interpretation of electromagnetic four-force. Astrophysics and Space Science, 1989, 158, 159-161.	0.5	2
60	Evidence for interacting loop process in a phase of the May 16, 1981 flare. Solar Physics, 1987, 111, 23-29.	1.0	9
61	Spotless flares and the associated radio continuum emission. Solar Physics, 1987, 111, 103-111.	1.0	12
62	Beat structure in pulsating type IV solar radio bursts and a possible mechanism. Solar Physics, 1987, 111, 137-142.	1.0	7
63	Reconnection driven by an erupting filament in the May 14, 1981 flare. Solar Physics, 1987, 114, 289-310.	1.0	14
64	Analysis of the polarization of pulsating structures at m-dm wavelengths. Solar Physics, 1987, 114, 375-384.	1.0	13
65	Exponential decay and exciter profile of fast pulses in type IV events. Solar Physics, 1986, 104, 51-55.	1.0	2
66	The characteristics of type IV-associated spikes at metric wavelengths. Solar Physics, 1986, 104, 111-116.	1.0	9
67	Exponential Decay and Exciter Profile of Fast Pulses in Type IV Events. , 1986, , 51-55.		1
68	Association of time structures of solar bursts at millimetric and at metric waves. Advances in Space Research, 1984, 4, 251-254.	1.2	1
69	BLSS: A contribution to future life support. Advances in Space Research, 1984, 4, 251-262.	1.2	16