Mauro Messerotti

List of Publications by Year
in descending order

69	952	567144 15	477173 29
papers	citations	h-index	g-index

73	73	73	1094
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal aspects and frequency distributions of solar soft X-ray flares. Astronomy and Astrophysics, 2002, 382, 1070-1080.	2.1	191
2	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. Astronomy and Astrophysics, 2020, 642, A10.	2.1	115
3	Statistical analysis of solar H$mathsf{alpha}$ flares. Astronomy and Astrophysics, 2001, 375, 1049-1061.	2.1	93
4	Pilot Ionosonde Network for Identification of Traveling Ionospheric Disturbances. Radio Science, 2018, 53, 365-378.	0.8	41
5	Solar Weather Event Modelling andÂPrediction. Space Science Reviews, 2009, 147, 121-185.	3.7	31
6	Fine structures in time profiles of type II bursts at frequencies above 200 MHz. Solar Physics, 1993, 144, 373-384.	1.0	29
7	NOAA AR 8210: EVOLUTION AND FLARES FROM MULTIBAND DIAGNOSTICS. Solar Physics, 2000, 194, 103-120.	1.0	28
8	VLA and Trieste observations of type I storms, type IV and pulsations. Solar Physics, 1992, 141, 165-180.	1.0	25
9	Exploring the Solar Wind from Its Source on the Corona into the Inner Heliosphere during the First Solar Orbiterâ€“Parker Solar Probe Quadrature. Astrophysical Journal Letters, 2021, 920, L14.	3.0	25
10	Classification and Properties of Supershort Solar Radio Bursts. Astrophysical Journal, 2006, 642, L77-L80.	1.6	22
11	Halo coronal mass ejections during Solar Cycle 24: reconstruction of the global scenario and geoeffectiveness. Journal of Space Weather and Space Climate, 2018, 8, A09.	1.1	22
12	HELIO: The Heliophysics Integrated Observatory. Advances in Space Research, 2011, 47, 2235-2239.	1.2	20
13	Current state and perspectives of Space Weather science in Italy. Journal of Space Weather and Space Climate, 2020, 10, 6.	1.1	18
14	Assessment and recommendations for a consolidated European approach to space weather â€“ as part of a global space weather effort. Journal of Space Weather and Space Climate, 2019, 9, A37.	1.1	17
15	BLSS: A contribution to future life support. Advances in Space Research, 1984, 4, 251-262.	1.2	16
16	Performance assessment of GPS receivers during the September 24, 2011 solar radio burst event. Journal of Space Weather and Space Climate, 2015, 5, A32.	1.1	16
17	Reconnection driven by an erupting filament in the May 14, 1981 flare. Solar Physics, 1987, 114, 289-310.	1.0	14
18	Analysis of the polarization of pulsating structures at m-dm wavelengths. Solar Physics, 1987, 114, 375-384.	1.0	13

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19	The source of the solar oscillations: Convective or magnetic?. Astronomy and Astrophysics, 2001, 372, 1038-1047.	2.1	13
20	Spotless flares and the associated radio continuum emission. Solar Physics, 1987, 111, 103-111.	1.0	12
21	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
22	The characteristics of type IV-associated spikes at metric wavelengths. Solar Physics, 1986, 104, 111-116.	1.0	9
23	Evidence for interacting loop process in a phase of the May 16, 1981 flare. Solar Physics, 1987, 111, 23-29.	1.0	9
24	Studying Sunâ€“Planet Connections Using the Heliophysics Integrated Observatory (HELIO). Solar Physics, 2012, 280, 603-621.	1.0	9
25	Full-disk magnetic oscillations in the solar photosphere. Astronomy and Astrophysics, 2003, 403, 297-302.	2.1	9
26	The role of the magnetic field intensity and geometry in the type III burst generation. Solar Physics, 1990, 130, 31-37.	1.0	8
27	The State of Space Weather Scientific Modelingâ€”AnÂIntroduction. Space Science Reviews, 2009, 147, 111-120.	3.7	8
28	HELIO: Discovery and analysis of data in heliophysics. Future Generation Computer Systems, 2013, 29, 2157-2168.	4.9	8
29	Beat structure in pulsating type IV solar radio bursts and a possible mechanism. Solar Physics, 1987, 111, 137-142.	1.0	7
30	Analysis of the time profile of type III bursts at meter wavelengths. Solar Physics, 1990, 130, 131-138.	1.0	7
31	AtmoCube: observation of the Earth atmosphere from the space to study "space weather" effects. , 2003, , .		6
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	Solar Flare Occurrence Rate and Waiting Time Statistics. Solar Physics, 2012, 281, 651-667.	1.0	6
34	HELIO: Discovery and Analysis of Data in Heliophysics. , 2011, , .		5
35	Radio science for space weather. , 2016, , .		5
36	Title is missing!. Solar Physics, 1999, 185, 193-204.	1.0	4

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37	Solar activity and life: a review. Acta Geophysica, 2009, 57, 64-74.	1.0	4
38	Developing Space Weather products and services in Europe â€“ Preface to the Special Issue on COST Action ES0803. Journal of Space Weather and Space Climate, 2014, 4, E1.	1.1	4
39	Solar Radio Spectrography: Comprehensive Diagnostics for Space Weather Applications. , 2018, , .		4
40	Radio Observations for Space Weather. , 2019, , .		4
41	Observing, modeling and predicting the effects of solar radio bursts on radio communications. AIP Conference Proceedings, 2008, , .	0.3	3
42	Investigations of a simulated geomagnetic field experienced by the international space station on attentional performance. Bioelectromagnetics, 2009, 30, 45-51.	0.9	3
43	TSRS as a Solar Radio Noise Monitor for Communication and Navigation Systems. Earth, Moon and Planets, 2009, 104, 51-54.	0.3	3
44	Exploitation, dissemination, education and outreach in the frame of the COST actionES0803â€œdeveloping space weather products and services in Europeâ€• Journal of Space Weather and Space Climate, 2014, 4, A05.	1.1	3
45	Defining and Characterising Heliospheric Weather and Climate. Proceedings of the International Astronomical Union, 2017, 13, 226-231.	0.0	3
46	Doing Science with Nano-satellites. Lecture Notes in Geoinformation and Cartography, 2018, , 205-213.	0.5	3
47	Motions in the Solar Atmosphere. Astrophysics and Space Science Library, 1999, , .	1.0	3
48	An interpretation of the $vec{I-V}$ phase background based on observed plasma jets. Astronomy and Astrophysics, 2002, 395, 293-296.	2.1	3
49	Exponential decay and exciter profile of fast pulses in type IV events. Solar Physics, 1986, 104, 51-55.	1.0	2
50	A note on the interpretation of electromagnetic four-force. Astrophysics and Space Science, 1989, 158, 159-161.	0.5	2
51	Advances in Space Meteorology Modeling and Predicting - the Key Factor of Life Evolution. , 2006, , 133-143.		2
52	A Terrella Device for Simulating Aurora-Like Phenomena in a Box. Earth, Moon and Planets, 2009, 104, 55-58.	0.3	2
53	Extreme Space Weather Events and Military Operations. , 2018, , .		2
54	High-Resolution Imaging of the Solar Chromosphere in the Centimetre-Millimetre Band Through Single-Dish Observations. , 2018, , .		2

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55	Astronomical and Astrobiological Imprints on the Fossil Records: A Review. Cellular Origin and Life in Extreme Habitats, 2009, , 389-408.	0.3	2
56	Association of time structures of solar bursts at millimetric and at metric waves. Advances in Space Research, 1984, 4, 251-254.	1.2	1
57	The Electronic Geophysical Year (eGY) in Europe: Organization and Activities. Earth, Moon and Planets, 2009, 104, 59-61.	0.3	1
58	Solar Activity Monitoring and Flare Alerting at KanzelhÃ¶he Solar Observatory. Astrophysics and Space Science Library, 2001, , 227-230.	1.0	1
59	Analytical Modeling of Composed Cylindrical Magnetic Structures in the Corona. Astrophysics and Space Science Library, 2001, , 231-234.	1.0	1
60	Exponential Decay and Exciter Profile of Fast Pulses in Type IV Events. , 1986, , 51-55.		1
61	Solar Radio Diagnostic for Space Weather with the Trieste Solar Radio System 2.0. , 2020, , .		1
62	<title>Evaluation of a low-end architecture for collaborative software development, remote observing, and data analysis from multiple sites</title>. , 2000, 4011, 11.		0
63	A New Way to look at Observations with EGSO. Proceedings of the International Astronomical Union, 2006, 2, 229.	0.0	0
64	Plasma diagnostics via radio weather phenomena: Relevance and criticalities. , 2015, , .		0
65	Observations of NOAA 8210 Using MOF and DHC of KanzelhÃ¶he Solar Observatory. Astrophysics and Space Science Library, 2001, , 259-262.	1.0	0
66	Comparison of Local and Global Fractal Dimension Determination Methods. Astrophysics and Space Science Library, 2001, , 315-318.	1.0	0
67	Coincidences Between Magnetic Oscillations and HÎ± Bright Points. Astrophysics and Space Science Library, 2001, , 243-246.	1.0	0
68	Localized Measures of Solar Radio Bursts. Astrophysics and Space Science Library, 1999, , 255-258.	1.0	0
69	Solar radio emission surveillance by the Trieste Solar Radio System 2.0. , 2020, , .		0