

Stefano Massetti

List of Publications by Year in descending order

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54
papers

1,198
citations

361413

20
h-index

395702

33
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56
all docs

56
docs citations

56
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Na and K Mercury and Moon Exospheres. <i>Space Science Reviews</i> , 2022, 218, 1.	8.1	12
2	Exospheric Na distributions along the Mercury orbit with the THEMIS telescope. <i>Icarus</i> , 2021, 355, 114179.	2.5	10
3	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	8.1	26
4	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
5	Multiscale Features of the Near-Hermean Environment as Derived Through the Hilbert-Huang Transform. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	4
6	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.	1.2	3
7	Morphology of the Auroral Tail of Io, Europa, and Ganymede From JIRAM L&Band Imager. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029450.	2.4	15
8	Deep neural networks for analysis of Mercury's planetary exosphere. <i>Journal of Physics: Conference Series</i> , 2020, 1548, 012014.	0.4	0
9	Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	71
10	Preliminary estimation of the detection possibilities of Ganymede's water vapor environment with MAJIS. <i>Planetary and Space Science</i> , 2020, 191, 105004.	1.7	5
11	Kinetic Simulations of the Jovian Energetic Ion Circulation around Ganymede. <i>Astrophysical Journal</i> , 2020, 900, 74.	4.5	20
12	Investigation of the possible effects of comet Encke's meteoroid stream on the Ca exosphere of Mercury. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1217-1226.	3.6	11
13	Occurrence and average behavior of pulsating aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5606-5618.	2.4	36
14	Short-term observations of double-peaked Na emission from Mercury's exosphere. <i>Geophysical Research Letters</i> , 2017, 44, 2970-2977.	4.0	17
15	Planetary space weather: scientific aspects and future perspectives. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A31.	3.3	38
16	Analytical model of Europa's O ₂ exosphere. <i>Planetary and Space Science</i> , 2016, 130, 3-13.	1.7	9
17	THEMIS Na exosphere observations of Mercury and their correlation with in-situ magnetic field measurements by MESSENGER. <i>Planetary and Space Science</i> , 2015, 115, 102-109.	1.7	30
18	Cosmic ray intensity for about five solar cycles. <i>Journal of Physics: Conference Series</i> , 2015, 632, 012065.	0.4	4

#	ARTICLE	IF	CITATIONS
19	The H ₂ O and O ₂ exospheres of Ganymede: The result of a complex interaction between the jovian magnetospheric ions and the icy moon. <i>Icarus</i> , 2015, 245, 306-319.	2.5	52
20	The influence of space environment on the evolution of Mercury. <i>Icarus</i> , 2014, 239, 281-290.	2.5	12
21	Exospheric O ₂ densities at Europa during different orbital phases. <i>Planetary and Space Science</i> , 2013, 88, 42-52.	1.7	40
22	Energetic neutral particles detection in the environment of Jupiter's icy moons: Ganymede and Europa's neutral imaging experiment (GENIE). <i>Planetary and Space Science</i> , 2013, 88, 53-63.	1.7	6
23	Dynamical evolution of sodium anisotropies in the exosphere of Mercury. <i>Planetary and Space Science</i> , 2013, 82-83, 1-10.	1.7	22
24	The role of sputtering and radiolysis in the generation of Europa exosphere. <i>Icarus</i> , 2012, 218, 956-966.	2.5	54
25	Exosphere generation of the Moon investigated through a high-energy neutral detector. <i>Experimental Astronomy</i> , 2011, 32, 37-49.	3.7	2
26	The BepiColombo mission: An outstanding tool for investigating the Hermean environment. <i>Planetary and Space Science</i> , 2010, 58, 40-60.	1.7	43
27	Low energy high angular resolution neutral atom detection by means of micro-shuttering techniques: the BepiColombo SERENA-ELENA sensor. , 2009, , .		7
28	The sodium exosphere of Mercury: Comparison between observations during Mercury's transit and model results. <i>Icarus</i> , 2009, 200, 1-11.	2.5	80
29	Detection of a southern peak in Mercury's sodium exosphere with the TNG in 2005. <i>Icarus</i> , 2009, 201, 424-431.	2.5	10
30	Statistical analysis of the observations of the MEX/ASPERA-3 NPI in the shadow. <i>Planetary and Space Science</i> , 2009, 57, 1000-1007.	1.7	7
31	Space weathering on near-Earth objects investigated by neutral-particle detection. <i>Planetary and Space Science</i> , 2009, 57, 384-392.	1.7	6
32	Short-term variations of Mercury's Na exosphere observed with very high spectral resolution. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	34
33	Field-aligned currents of postnoon auroral arcs. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	10
34	PROSPECTS OF SOLAR SYSTEM ENVIRONMENT OBSERVATIONS BY MEANS OF ENA DETECTION. , 2009, , 263-291.		1
35	ENA detection in the dayside of Mars: ASPERA-3 NPD statistical study. <i>Planetary and Space Science</i> , 2008, 56, 840-845.	1.7	18
36	On the impact of multiply charged heavy solar wind ions on the surface of Mercury, the Moon and Ceres. <i>Planetary and Space Science</i> , 2008, 56, 1506-1516.	1.7	27

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37	Magnetosphere–Exosphere–Surface Coupling at Mercury. Space Sciences Series of ISSI, 2008, , 369-391.	0.0	0
38	Numerical and analytical model of Mercury's exosphere: Dependence on surface and external conditions. Planetary and Space Science, 2007, 55, 1569-1583.	1.7	40
39	Modelling Mercury's magnetosphere and plasma entry through the dayside magnetopause. Planetary and Space Science, 2007, 55, 1557-1568.	1.7	29
40	Magnetosphere–Exosphere–Surface Coupling at Mercury. Space Science Reviews, 2007, 132, 551-573.	8.1	13
41	Geomagnetic activity dependence of the inner magnetospheric proton distribution: An empirical approach for the 21–25 April 2001 storm. Journal of Geophysical Research, 2006, 111, .	3.3	4
42	Electrodynamics of a split-transpolar aurora. Journal of Geophysical Research, 2006, 111, .	3.3	10
43	Antiparallel magnetic merging signatures during IMF B_z and Y longitudinal and latitudinal cusp aurora bifurcations. Annales Geophysicae, 2006, 24, 2299-2311.	1.6	5
44	Dayside H ⁺ circulation at Mercury and neutral particle emission. Icarus, 2005, 175, 305-319.	2.5	39
45	Ground-level enhancements during solar cycle 23: results from SVIRCO, LOMNICKY STIT and LARC neutron monitors. Advances in Space Research, 2005, 35, 416-420.	2.6	14
46	Surface-Exosphere-Magnetosphere System Of Mercury. Space Science Reviews, 2005, 117, 397-443.	8.1	76
47	Dayside magnetosphere-ionosphere coupling during IMF clock angle $\sim 90^\circ$: Longitudinal cusp bifurcation, quasi-periodic cusp-like auroras, and traveling convection vortices. Journal of Geophysical Research, 2005, 110, .	3.3	4
48	Mapping of the cusp plasma precipitation on the surface of Mercury. Icarus, 2003, 166, 229-237.	2.5	83
49	The variability of Mercury's exosphere by particle and radiation induced surface release processes. Icarus, 2003, 166, 238-247.	2.5	59
50	Empirical model of proton fluxes in the equatorial inner magnetosphere: 2. Properties and applications. Journal of Geophysical Research, 2003, 108, .	3.3	17
51	Dayside pulsed aurora intensifications, observed by ITACA during constant interplanetary magnetic field $B_z \neq 0$ and $B_y = 0$. Journal of Geophysical Research, 2002, 107, SMP 19-1.	3.3	1
52	Ground-based and satellite observations of high-latitude auroral activity in the dusk sector of the auroral oval. Annales Geophysicae, 2001, 19, 1683-1696.	1.6	5
53	Spacetime Modulation of Solar Neutrino Flux: 1970–1992. Astrophysical Journal, 1996, 472, 827-831.	4.5	14
54	On the homestake neutrino data. Solar Physics, 1993, 148, 173-176.	2.5	12