

# Stefano Orsini

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

493  
citations

840776

11  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Processes that Promote and Deplete the Exosphere of Mercury. <i>Space Science Reviews</i> , 2007, 132, 433-509.	8.1	121
2	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
3	The H <sub>2</sub> O and O <sub>2</sub> 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
4	Planetary space weather: scientific aspects and future perspectives. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A31.	3.3	38
5	Towards a Global Unified Model of Europa's Tenuous Atmosphere. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	36
6	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
7	Mercury sodium exospheric emission as a proxy for solar perturbations transit. <i>Scientific Reports</i> , 2018, 8, 928.	3.3	30
8	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	25
9	Dynamical evolution of sodium anisotropies in the exosphere of Mercury. <i>Planetary and Space Science</i> , 2013, 82-83, 1-10.	1.7	22
10	Current state and perspectives of Space Weather science in Italy. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 6.	3.3	18
11	The influence of space environment on the evolution of Mercury. <i>Icarus</i> , 2014, 239, 281-290.	2.5	12
12	Exospheric Na distributions along the Mercury orbit with the THEMIS telescope. <i>Icarus</i> , 2021, 355, 114179.	2.5	10
13	Analytical model of Europa's O <sub>2</sub> exosphere. <i>Planetary and Space Science</i> , 2016, 130, 3-13.	1.7	9
14	ELENA microchannel plate detector: absolute detection efficiency for low energy neutral atoms. <i>Optical Engineering</i> , 2013, 52, 051206.	1.0	4
15	Multiscale Features of the Near-Hermean Environment as Derived Through the Hilbert-Huang Transform. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	4
16	Exosphere generation of the Moon investigated through a high-energy neutral detector. <i>Experimental Astronomy</i> , 2011, 32, 37-49.	3.7	2