

Filippo Pantellini

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

240
citations

1163117

8
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Interplanetary dust detection by radio antennas: Mass calibration and fluxes measured by STEREO/WAVES. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	87
2	Nano dust impacts on spacecraft and boom antenna charging. <i>Astrophysics and Space Science</i> , 2012, 341, 309-314.	1.4	26
3	On the unconstrained expansion of a spherical plasma cloud turning collisionless: case of a cloud generated by a nanometre dust grain impact on an uncharged target in space. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 045005.	2.1	19
4	Interplanetary Nanodust Detection by the Solar Terrestrial Relations Observatory/WAVES Low Frequency Receiver. <i>Solar Physics</i> , 2013, 286, 549-559.	2.5	19
5	Spherical expansion of a collisionless plasma into vacuum: self-similar solution and <i>ab initio</i> simulations. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 015004.	2.1	17
6	Effect of the exoplanet magnetic field topology on its magnetospheric radio emission. <i>Astronomy and Astrophysics</i> , 2018, 616, A182.	5.1	12
7	The physics and detection of nanodust in the solar system. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 014015.	2.1	11
8	Radio emission in Mercury magnetosphere. <i>Astronomy and Astrophysics</i> , 2016, 595, A69.	5.1	11
9	Rarefaction and compressional standing slow mode structures in Mercury's magnetosheath: 3D MHD simulations. <i>Planetary and Space Science</i> , 2015, 112, 1-9.	1.7	8
10	Plasma streams in the Hermean dayside magnetosphere: Solar wind injection through the reconnection region. <i>Planetary and Space Science</i> , 2016, 122, 46-52.	1.7	8
11	MHD study of the planetary magnetospheric response during extreme solar wind conditions: Earth and exoplanet magnetospheres applications. <i>Astronomy and Astrophysics</i> , 2022, 659, A10.	5.1	8
12	Effect of the interplanetary magnetic field orientation and intensity in the mass and energy deposition on the Hermean surface. <i>Planetary and Space Science</i> , 2016, 129, 74-87.	1.7	5
13	Magnetohydrodynamic simulations of a Uranus-at-equinox type rotating magnetosphere. <i>Astronomy and Astrophysics</i> , 2020, 633, A87.	5.1	4
14	Slow modes in the Hermean magnetosphere: Effect of the solar wind hydrodynamic parameters and IMF orientation. <i>Planetary and Space Science</i> , 2016, 125, 80-86.	1.7	3
15	Species segregation in one-dimensional granular-system simulations. <i>European Physical Journal E</i> , 2008, 25, 201-212.	1.6	1
16	Identification of standing fronts in steady state fluid flows: exact and approximate solutions for propagating MHD modes. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	1