

Markku Alho

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

579
citations

686830

13
h-index

642321

23
g-index

45
all docs

45
docs citations

45
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	Cometary plasma science. <i>Experimental Astronomy</i> , 2022, 54, 1129-1167.	1.6	3
2	Quasi-Parallel Shock Reformation Seen by Magnetospheric Multiscale and Ion Kinetic Simulations. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
3	Electron Signatures of Reconnection in a Global <i>v</i> lasiator Simulation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
4	Remote sensing of cometary bow shocks: modelled asymmetric outgassing and pickup ion observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4735-4749.	1.6	7
5	Connection Between Foreshock Structures and the Generation of Magnetosheath Jets: <i>v</i> lasiator Results. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095655.	1.5	13
6	Foreshock cavitons and spontaneous hot flow anomalies: a statistical study with a global hybrid- <i>v</i> lasov simulation. <i>Annales Geophysicae</i> , 2021, 39, 911-928.	0.6	3
7	Ultra-low-frequency waves in the ion foreshock of Mercury: a global hybrid modelling study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4147-4161.	1.6	18
8	Hybrid- <i>v</i> lasov modeling of three-dimensional dayside magnetopause reconnection. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	8
9	Oxygen Ion Escape From Venus Is Modulated by Ultra-Low Frequency Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087462.	1.5	12
10	10.1063/5.0020685.1., 2020, , .		0
11	Solar wind charge exchange in cometary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 630, A36.	2.1	11
12	Solar flares observed by Rosetta at comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A49.	2.1	4
13	Hybrid modeling of cometary plasma environments. <i>Astronomy and Astrophysics</i> , 2019, 630, A45.	2.1	12
14	Solar wind charge exchange in cometary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 630, A37.	2.1	21
15	Solar wind charge exchange in cometary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 630, A35.	2.1	14
16	Calculation of the Initial Magnetic Field for Mercury's Magnetosphere Hybrid Model. <i>Cosmic Research</i> , 2018, 56, 108-114.	0.2	2
17	Precipitation of Hydrogen Energetic Neutral Atoms at the Upper Atmosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8730-8748.	0.8	13
18	The Response of the Venusian Plasma Environment to the Passage of an ICME: Hybrid Simulation Results and Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3580-3601.	0.8	8

#	ARTICLE	IF	CITATIONS
19	The birth and growth of a solar wind cavity around a comet – Rosetta observations. Monthly Notices of the Royal Astronomical Society, 2017, 469, S396-S403.	1.6	57
20	Global kinetic hybrid simulation for radially expanding solar wind. Journal of Geophysical Research: Space Physics, 2017, 122, 7854-7864.	0.8	0
21	Simulation of Mercury's magnetosheath with a combined hybrid-paraboloid model. Journal of Geophysical Research: Space Physics, 2017, 122, 8310-8326.	0.8	3
22	Hybrid modelling of cometary plasma environments. Astronomy and Astrophysics, 2017, 604, A73.	2.1	37
23	Evolution of the ion environment of comet 67P during the Rosetta mission as seen by RPC-ICA. Monthly Notices of the Royal Astronomical Society, 2017, 469, S252-S261.	1.6	55
24	RPC observation of the development and evolution of plasma interaction boundaries at 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S9-S22.	1.6	62
25	The atmosphere of comet 67P/Churyumov-Gerasimenko diagnosed by charge-exchanged solar wind alpha particles. Astronomy and Astrophysics, 2016, 587, A154.	2.1	33
26	Emission of hydrogen energetic neutral atoms from the Martian subsolar magnetosheath. Journal of Geophysical Research: Space Physics, 2016, 121, 190-204.	0.8	11
27	CME impact on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S45-S56.	1.6	42
28	Dust environment of an airless object: A phase space study with kinetic models. Planetary and Space Science, 2016, 120, 56-69.	0.9	4
29	Space weather effects on the bow shock, the magnetic barrier, and the ion composition boundary at Venus. Journal of Geophysical Research: Space Physics, 2015, 120, 4613-4627.	0.8	14
30	Paleo Mars energetic particle precipitation. Planetary and Space Science, 2015, 119, 103-110.	0.9	4
31	Acceleration of ions and nano dust at a comet in the solar wind. Planetary and Space Science, 2015, 119, 13-23.	0.9	9
32	3D-modeling of Mercury's solar wind sputtered surface-exosphere environment. Planetary and Space Science, 2015, 115, 90-101.	0.9	36
33	On vertical electric fields at lunar magnetic anomalies. Geophysical Research Letters, 2014, 41, 2243-2249.	1.5	39
34	Energetic protons at Mars: interpretation of SLED/Phobos-2 observations by a kinetic model. Annales Geophysicae, 2012, 30, 1595-1609.	0.6	6