

# 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	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
2	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
3	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
4	CME impact on comet 67P/Churyumov-Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2016, 462, S45-S56.	1.6	42
5	On vertical electric fields at lunar magnetic anomalies. Geophysical Research Letters, 2014, 41, 2243-2249.	1.5	39
6	Hybrid modelling of cometary plasma environments. Astronomy and Astrophysics, 2017, 604, A73.	2.1	37
7	3D-modeling of Mercury's solar wind sputtered surface-exosphere environment. Planetary and Space Science, 2015, 115, 90-101.	0.9	36
8	The atmosphere of comet 67P/Churyumov-Gerasimenko diagnosed by charge-exchanged solar wind alpha particles. Astronomy and Astrophysics, 2016, 587, A154.	2.1	33
9	Solar wind charge exchange in cometary atmospheres. Astronomy and Astrophysics, 2019, 630, A37.	2.1	21
10	Ultra-low-frequency waves in the ion foreshock of Mercury: a global hybrid modelling study. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4147-4161.	1.6	18
11	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
12	Solar wind charge exchange in cometary atmospheres. Astronomy and Astrophysics, 2019, 630, A35.	2.1	14
13	Precipitation of Hydrogen Energetic Neutral Atoms at the Upper Atmosphere of Mars. Journal of Geophysical Research: Space Physics, 2018, 123, 8730-8748.	0.8	13
14	Connection Between Foreshock Structures and the Generation of Magnetosheath Jets: Vlasiator Results. Geophysical Research Letters, 2021, 48, e2021GL095655.	1.5	13
15	Hybrid modeling of cometary plasma environments. Astronomy and Astrophysics, 2019, 630, A45.	2.1	12
16	Oxygen Ion Escape From Venus Is Modulated by Ultra-Low Frequency Waves. Geophysical Research Letters, 2020, 47, e2020GL087462.	1.5	12
17	Emission of hydrogen energetic neutral atoms from the Martian subsolar magnetosheath. Journal of Geophysical Research: Space Physics, 2016, 121, 190-204.	0.8	11
18	Solar wind charge exchange in cometary atmospheres. Astronomy and Astrophysics, 2019, 630, A36.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Quasi-Parallel Shock Reformation Seen by Magnetospheric Multiscale and Ion-Kinetic Simulations. Geophysical Research Letters, 2022, 49, .	1.5	11
20	Acceleration of ions and nano dust at a comet in the solar wind. Planetary and Space Science, 2015, 119, 13-23.	0.9	9
21	The Response of the Venusian Plasma Environment to the Passage of an ICME: Hybrid Simulation Results and Venus Express Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 3580-3601.	0.8	8
22	Hybrid-Vlasov modeling of three-dimensional dayside magnetopause reconnection. Physics of Plasmas, 2020, 27, .	0.7	8
23	Remote sensing of cometary bow shocks: modelled asymmetric outgassing and pickup ion observations. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4735-4749.	1.6	7
24	Energetic protons at Mars: interpretation of SLED/Phobos-2 observations by a kinetic model. Annales Geophysicae, 2012, 30, 1595-1609.	0.6	6
25	Paleo Mars energetic particle precipitation. Planetary and Space Science, 2015, 119, 103-110.	0.9	4
26	Dust environment of an airless object: A phase space study with kinetic models. Planetary and Space Science, 2016, 120, 56-69.	0.9	4
27	Solar flares observed by Rosetta at comet 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A49.	2.1	4
28	Simulation of Mercury's magnetosheath with a combined hybrid-paraboloid model. Journal of Geophysical Research: Space Physics, 2017, 122, 8310-8326.	0.8	3
29	Cometary plasma science. Experimental Astronomy, 2022, 54, 1129-1167.	1.6	3
30	Foreshock cavitons and spontaneous hot flow anomalies: a statistical study with a global hybrid-Vlasov simulation. Annales Geophysicae, 2021, 39, 911-928.	0.6	3
31	Calculation of the Initial Magnetic Field for Mercury's Magnetosphere Hybrid Model. Cosmic Research, 2018, 56, 108-114.	0.2	2
32	Electron Signatures of Reconnection in a Global eVlasov Simulation. Geophysical Research Letters, 2022, 49, .	1.5	2
33	Global kinetic hybrid simulation for radially expanding solar wind. Journal of Geophysical Research: Space Physics, 2017, 122, 7854-7864.	0.8	0
34	10.1063/5.0020685.1., 2020, , .		0