

Hannu Erkki Juhani Koskinen

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,790
citations

394286

19
h-index

526166

27
g-index

36
all docs

36
docs citations

36
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Drivers and Properties of Waves in the Inner Magnetosphere. <i>Astronomy and Astrophysics Library</i> , 2022, , 121-158.	0.2	0
2	Radiation Belts and Their Environment. <i>Astronomy and Astrophysics Library</i> , 2022, , 1-25.	0.2	1
3	Plasma Waves in the Inner Magnetosphere. <i>Astronomy and Astrophysics Library</i> , 2022, , 85-119.	0.2	0
4	Charged Particles in Near-Earth Space. <i>Astronomy and Astrophysics Library</i> , 2022, , 27-61.	0.2	0
5	Quantifying the non-linear dependence of energetic electron fluxes in the Earth's radiation belts with radial diffusion drivers. <i>Annales Geophysicae</i> , 2022, 40, 37-53.	0.6	7
6	Achievements and Challenges in the Science of Space Weather. <i>Space Science Reviews</i> , 2017, 212, 1137-1157.	3.7	45
7	Coronal mass ejections and their sheath regions in interplanetary space. <i>Living Reviews in Solar Physics</i> , 2017, 14, 5.	7.8	262
8	Birth of a comet magnetosphere: A spring of water ions. <i>Science</i> , 2015, 347, aaa0571.	6.0	107
9	A semi-analytical foreshock model for energetic storm particle events inside 1 AU. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A08.	1.1	25
10	Spatial variation of energy conversion at the Earth's magnetopause: Statistics from Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1948-1959.	0.8	11
11	Wave dispersion in the hybrid-Vlasov model: Verification of Vlasiator. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	19
12	Forecasting the Earth's radiation belts and modelling solar energetic particle events: Recent results from SPACECAST. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A20.	1.1	22
13	Auroral Weak Double Layers: a Critical Assessment. <i>Geophysical Monograph Series</i> , 2013, , 97-104.	0.1	8
14	Physics of Space Storms. , 2011, , .		47
15	Space weather: From solar eruptions to magnetospheric storms. <i>Geophysical Monograph Series</i> , 2006, , 375-385.	0.1	1
16	Variability of magnetospheric storms driven by different solar wind perturbations. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 20-1.	3.3	131
17	April 2000 magnetic storm: Solar wind driver and magnetospheric response. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 15-1-SMP 15-21.	3.3	52
18	Magnetospheric energy budget and the epsilon parameter. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 42-1.	3.3	100

#	ARTICLE	IF	CITATIONS
19	A semiempirical magnetosheath model to analyze the solar wind-magnetosphere interaction. Journal of Geophysical Research, 2000, 105, 27469-27479.	3.3	18
20	Ion acceleration in the Martian plasma environment. Advances in Space Research, 1998, 21, 573-582.	1.2	4
21	Observations of mesoscale auroral plasma cavity crossings with the Freja satellite. Journal of Geophysical Research, 1998, 103, 9391-9404.	3.3	25
22	Midnight velocity shear zone and the concept of Harang discontinuity. Journal of Geophysical Research, 1995, 100, 9539.	3.3	42
23	Correction to "A statistical survey of auroral solitary waves and weak double layers, 1, Occurrence and net voltage". Journal of Geophysical Research, 1994, 99, 11345.	3.3	0
24	A statistical survey of auroral solitary waves and weak double layers: 1. Occurrence and net voltage. Journal of Geophysical Research, 1993, 98, 15521-15530.	3.3	58
25	On waves below the local proton gyrofrequency in auroral acceleration regions. Journal of Geophysical Research, 1990, 95, 5889-5904.	3.3	71
26	On the plasma environment of solitary waves and weak double layers. Journal of Geophysical Research, 1990, 95, 5921-5929.	3.3	80
27	Solitary structures in the magnetospheric plasma observed by Viking. Physica Scripta, 1989, 39, 782-786.	1.2	30
28	On theories attempting to explain observations of solitary waves and weak double layers in the auroral magnetosphere. Physica Scripta, 1989, 39, 787-793.	1.2	37
29	Local transverse ion energization in and near the polar cusp. Geophysical Research Letters, 1988, 15, 107-110.	1.5	74
30	Characteristics of Solitary Waves and Weak Double Layers in the Magnetospheric Plasma. Physical Review Letters, 1988, 61, 82-85.	2.9	418
31	Ion waves and upgoing ion beams observed by the Viking satellite. Geophysical Research Letters, 1987, 14, 463-466.	1.5	62
32	Lower hybrid parametric processes on auroral field lines in the topside ionosphere. Journal of Geophysical Research, 1985, 90, 8361-8369.	3.3	20
33	Observations of LHR noise with banded structure by the Sounding Rocket S29 Barium-GEOS. Journal of Geophysical Research, 1983, 88, 4131-4136.	3.3	7
34	Energetic Particle Losses from the Inner Magnetosphere. Geophysical Monograph Series, 0, , 23-31.	0.1	4
35	Parametric Processes of Lower Hybrid Waves in Multicomponent Auroral Plasmas. Geophysical Monograph Series, 0, , 291-296.	0.1	2