

Hannu Erkki Juhani Koskinen

List of Publications by Year in descending order

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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	Characteristics of Solitary Waves and Weak Double Layers in the Magnetospheric Plasma. <i>Physical Review Letters</i> , 1988, 61, 82-85.	2.9	418
2	Coronal mass ejections and their sheath regions in interplanetary space. <i>Living Reviews in Solar Physics</i> , 2017, 14, 5.	7.8	262
3	Variability of magnetospheric storms driven by different solar wind perturbations. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 20-1.	3.3	131
4	Birth of a comet magnetosphere: A spring of water ions. <i>Science</i> , 2015, 347, aaa0571.	6.0	107
5	Magnetospheric energy budget and the epsilon parameter. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 42-1.	3.3	100
6	On the plasma environment of solitary waves and weak double layers. <i>Journal of Geophysical Research</i> , 1990, 95, 5921-5929.	3.3	80
7	Local transverse ion energization in and near the polar cusp. <i>Geophysical Research Letters</i> , 1988, 15, 107-110.	1.5	74
8	On waves below the local proton gyrofrequency in auroral acceleration regions. <i>Journal of Geophysical Research</i> , 1990, 95, 5889-5904.	3.3	71
9	Ion waves and upgoing ion beams observed by the Viking satellite. <i>Geophysical Research Letters</i> , 1987, 14, 463-466.	1.5	62
10	A statistical survey of auroral solitary waves and weak double layers: 1. Occurrence and net voltage. <i>Journal of Geophysical Research</i> , 1993, 98, 15521-15530.	3.3	58
11	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
12	Physics of Space Storms. , 2011, , .		47
13	Achievements and Challenges in the Science of Space Weather. <i>Space Science Reviews</i> , 2017, 212, 1137-1157.	3.7	45
14	Midnight velocity shear zone and the concept of Harang discontinuity. <i>Journal of Geophysical Research</i> , 1995, 100, 9539.	3.3	42
15	On theories attempting to explain observations of solitary waves and weak double layers in the auroral magnetosphere. <i>Physica Scripta</i> , 1989, 39, 787-793.	1.2	37
16	Solitary structures in the magnetospheric plasma observed by Viking. <i>Physica Scripta</i> , 1989, 39, 782-786.	1.2	30
17	Observations of mesoscale auroral plasma cavity crossings with the Freja satellite. <i>Journal of Geophysical Research</i> , 1998, 103, 9391-9404.	3.3	25
18	A semi-analytical foreshock model for energetic storm particle events inside 1AU. <i>Journal of Space Weather and Space Climate</i> , 2014, 4, A08.	1.1	25

#	ARTICLE	IF	CITATIONS
19	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
20	Lower hybrid parametric processes on auroral field lines in the topside ionosphere. <i>Journal of Geophysical Research</i> , 1985, 90, 8361-8369.	3.3	20
21	Wave dispersion in the hybrid-Vlasov model: Verification of Vlasiator. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	19
22	A semiempirical magnetosheath model to analyze the solar wind-magnetosphere interaction. <i>Journal of Geophysical Research</i> , 2000, 105, 27469-27479.	3.3	18
23	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
24	Auroral Weak Double Layers: a Critical Assessment. <i>Geophysical Monograph Series</i> , 2013, , 97-104.	0.1	8
25	Observations of LHR noise with banded structure by the Sounding Rocket S29 Barium-GEOS. <i>Journal of Geophysical Research</i> , 1983, 88, 4131-4136.	3.3	7
26	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
27	Ion acceleration in the Martian plasma environment. <i>Advances in Space Research</i> , 1998, 21, 573-582.	1.2	4
28	Energetic Particle Losses from the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 0, , 23-31.	0.1	4
29	Parametric Processes of Lower Hybrid Waves in Multicomponent Auroral Plasmas. <i>Geophysical Monograph Series</i> , 0, , 291-296.	0.1	2
30	Space weather: From solar eruptions to magnetospheric storms. <i>Geophysical Monograph Series</i> , 2006, , 375-385.	0.1	1
31	Radiation Belts and Their Environment. <i>Astronomy and Astrophysics Library</i> , 2022, , 1-25.	0.2	1
32	Correction to "A statistical survey of auroral solitary waves and weak double layers, 1, Occurrence and net voltage". <i>Journal of Geophysical Research</i> , 1994, 99, 11345.	3.3	0
33	Drivers and Properties of Waves in the Inner Magnetosphere. <i>Astronomy and Astrophysics Library</i> , 2022, , 121-158.	0.2	0
34	Plasma Waves in the Inner Magnetosphere. <i>Astronomy and Astrophysics Library</i> , 2022, , 85-119.	0.2	0
35	Charged Particles in Near-Earth Space. <i>Astronomy and Astrophysics Library</i> , 2022, , 27-61.	0.2	0