

Liisa Juusola

List of Publications by Year in descending order

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43
papers

843
citations

394286

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526166

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65
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-temporal development of large-scale auroral electrojet currents relative to substorm onsets. <i>Annales Geophysicae</i> , 2022, 40, 107-119.	0.6	1
2	Distribution and Occurrence Frequency of dB/dt Spikes During Magnetic Storms 1980–2020. <i>Space Weather</i> , 2022, 20, .	1.3	14
3	Comparing Three Approaches to the Inducing Source Setting for the Ground Electromagnetic Field Modeling due to Space Weather Events. <i>Space Weather</i> , 2021, 19, e2020SW002657.	1.3	10
4	Statistics on Omega Band Properties and Related Geomagnetic Variations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029468.	0.8	1
5	Auroral Omega Bands are a Significant Cause of Large Geomagnetically Induced Currents. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086677.	1.5	43
6	Introduction to Spherical Elementary Current Systems. , 2020, , 5-33.		26
7	Spherical Elementary Current Systems Applied to Swarm Data. , 2020, , 35-53.		3
8	Cosmic noise absorption signature of particle precipitation during interplanetary coronal mass ejection sheaths and ejecta. <i>Annales Geophysicae</i> , 2020, 38, 557-574.	0.6	2
9	Induced currents due to 3D ground conductivity play a major role in the interpretation of geomagnetic variations. <i>Annales Geophysicae</i> , 2020, 38, 983-998.	0.6	19
10	Properties of Magnetic Reconnection and FTEs on the Dayside Magnetopause With and Without Positive IMF B_x Component During Southward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4037-4048.	0.8	25
11	Ion Acceleration by Flux Transfer Events in the Terrestrial Magnetosheath. <i>Geophysical Research Letters</i> , 2018, 45, 1723-1731.	1.5	17
12	A possible source mechanism for magnetotail current sheet flapping. <i>Annales Geophysicae</i> , 2018, 36, 1027-1035.	0.6	12
13	Fast plasma sheet flows and X line motion in the Earth's magnetotail: results from a global hybrid-Vlasov simulation. <i>Annales Geophysicae</i> , 2018, 36, 1183-1199.	0.6	11
14	Swarm Satellite and EISCAT Radar Observations of a Plasma Flow Channel in the Auroral Oval Near Magnetic Midnight. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5140-5158.	0.8	9
15	Foreshock Properties at Typical and Enhanced Interplanetary Magnetic Field Strengths: Results From Hybrid-Vlasov Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5476-5493.	0.8	30
16	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4617-4627.	0.8	21
17	Tail reconnection in the global magnetospheric context: Vlasiator first results. <i>Annales Geophysicae</i> , 2017, 35, 1269-1274.	0.6	22
18	Statistical study of auroral omega bands. <i>Annales Geophysicae</i> , 2017, 35, 1069-1083.	0.6	20

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19	Sodankylä ionospheric tomography data set 2003–2014. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 263-270.	0.6	0
20	Forecasting auroras from regional and global magnetic field measurements. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 253-262.	0.6	2
21	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. <i>Annales Geophysicae</i> , 2016, 34, 943-959.	0.6	30
22	Ionospheric conductances and currents of a morning sector auroral arc from Swarm electric and magnetic field measurements. <i>Geophysical Research Letters</i> , 2016, 43, 11,519.	1.5	15
23	Comparison of auroral ionospheric and field-aligned currents derived from Swarm and ground magnetic field measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9256-9283.	0.8	31
24	Substorm evolution of auroral structures. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5958-5972.	0.8	22
25	Solar wind control of ionospheric equivalent currents and their time derivatives. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4971-4992.	0.8	12
26	High-latitude ionospheric equivalent currents during strong space storms: Regional perspective. <i>Space Weather</i> , 2015, 13, 49-60.	1.3	25
27	Latitude dependence of long-term geomagnetic activity and its solar wind drivers. <i>Annales Geophysicae</i> , 2015, 33, 573-581.	0.6	6
28	Analysis of double-step response to an interplanetary shock in the dayside magnetosphere. <i>Annales Geophysicae</i> , 2014, 32, 1293-1302.	0.6	4
29	Ionospheric signatures of a plasma sheet rebound flow during a substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 350-363.	0.8	6
30	Statistical properties of substorms during different storm and solar cycle phases. <i>Annales Geophysicae</i> , 2013, 31, 349-358.	0.6	38
31	Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2055-2072.	0.8	38
32	Observations of polar cap flow channel and plasma sheet flow bursts during substorm expansion. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 774-784.	0.8	29
33	Changes in the magnetotail configuration before near-Earth reconnection. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
34	Propagation of a shock-related disturbance in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	15
35	Statistics of plasma sheet convection. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	33
36	Earthward plasma sheet flows during substorm phases. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	55

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37	Interhemispherical asymmetry of substorm onset locations and the interplanetary magnetic field. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	39
38	Substorms during different storm phases. <i>Annales Geophysicae</i> , 2011, 29, 2031-2043.	0.6	16
39	Effects of a solar wind dynamic pressure increase in the magnetosphere and in the ionosphere. <i>Annales Geophysicae</i> , 2010, 28, 1945-1959.	0.6	10
40	Small and meso-scale properties of a substorm onset auroral arc. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
41	Statistical dependence of auroral ionospheric currents on solar wind and geomagnetic parameters from 5 years of CHAMP satellite data. <i>Annales Geophysicae</i> , 2009, 27, 1005-1017.	0.6	30
42	A model for estimating the relation between the Hall to Pedersen conductance ratio and ground magnetic data derived from CHAMP satellite statistics. <i>Annales Geophysicae</i> , 2007, 25, 721-736.	0.6	21
43	One-dimensional spherical elementary current systems and their use for determining ionospheric currents from satellite measurements. <i>Earth, Planets and Space</i> , 2006, 58, 667-678.	0.9	28