

# K M Laundal

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/13671/k-m-laundal-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

900  
citations

18  
h-index

28  
g-index

59  
ext. papers

1,161  
ext. citations

3.9  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
52	Possible Ionospheric Influence on Substorm Onset Location. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0
51	Electrojet Estimates From Mesospheric Magnetic Field Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028644	2.6	1
50	Evolution of IMF By Induced Asymmetries: The Role of Tail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029577	2.6	0
49	An Explicit IMF B Dependence on Solar Wind-Magnetosphere Coupling. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086062	4.9	7
48	The Relationship Between Cusp Region Ion Outflows and East-West Magnetic Field Fluctuations at 4,000-km Altitude. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027454	2.6	1
47	Seasonal and Hemispheric Asymmetries of F Region Polar Cap Plasma Density: Swarm and CHAMP Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028084	2.6	5
46	Time-scale dependence of solar wind-based regression models of ionospheric electrodynamics. <i>Scientific Reports</i> , <b>2020</b> , 10, 16406	4.9	4
45	Separation and Quantification of Ionospheric Convection Sources: 1. A New Technique. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 6343-6357	2.6	2
44	Separation and Quantification of Ionospheric Convection Sources: 2. The Dipole Tilt Angle Influence on Reverse Convection Cells During Northward IMF. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 6182-6194	2.6	6
43	Magnetic Effects of Plasma Pressure Gradients in the Upper F Region. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 2355-2363	4.9	7
42	IMF By Influence on Magnetospheric Convection in Earth's Magnetotail Plasma Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 11698-11708	4.9	7
41	Observations of Asymmetric Lobe Convection for Weak and Strong Tail Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 9999-10017	2.6	6
40	How the IMF By Induces a Local By Component During Northward IMF Bz and Characteristic Timescales. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3333-3348	2.6	17
39	Interplanetary Magnetic Field Bx Component Influence on Horizontal and Field-Aligned Currents in the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3360-3379	2.6	9
38	The asymmetric geospace as displayed during the geomagnetic storm on August 17, 2001 <b>2018</b> ,		4
37	Observations of Asymmetries in Ionospheric Return Flow During Different Levels of Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4638-4651	2.6	15
36	Timescales of Dayside and Nightside Field-Aligned Current Response to Changes in Solar Wind-Magnetosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7307-7319	2.6	10

35	Seasonal and Solar Cycle Variations of Thermally Excited 630.0nm Emissions in the Polar Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7029-7039	2.6	2
34	North-South Asymmetries in Earth's Magnetic Field. <i>Space Sciences Series of ISSI</i> , <b>2018</b> , 231-263	0.1	
33	Magnetic Field Perturbations from Currents in the Dark Polar Regions During Quiet Geomagnetic Conditions. <i>Space Sciences Series of ISSI</i> , <b>2018</b> , 289-305	0.1	
32	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Sciences Series of ISSI</i> , <b>2018</b> , 555-581	0.1	
31	Magnetic Coordinate Systems. <i>Space Sciences Series of ISSI</i> , <b>2018</b> , 29-61	0.1	2
30	Evolution of Asymmetrically Displaced Footpoints During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 10,030	2.6	11
29	The asymmetric geospace as displayed during the geomagnetic storm on 17-August-2001. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 1577-1596	2	12
28	Snakes on a Spaceship-An Overview of Python in Heliophysics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 10,384	2.6	11
27	Solar Wind and Seasonal Influence on Ionospheric Currents From Swarm and CHAMP Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4402-4429	2.6	34
26	North-south asymmetries in cold plasma density in the magnetotail lobes: Cluster observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 136-149	2.6	21
25	Magnetospheric response and reconfiguration times following IMF By reversals. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 417-431	2.6	24
24	Magnetic Field Perturbations from Currents in the Dark Polar Regions During Quiet Geomagnetic Conditions. <i>Space Science Reviews</i> , <b>2017</b> , 206, 281-297	7.5	14
23	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , <b>2017</b> , 206, 547-573	7.5	64
22	Magnetic Coordinate Systems. <i>Space Science Reviews</i> , <b>2017</b> , 206, 27-59	7.5	114
21	North-South Asymmetries in Earth's Magnetic Field. <i>Space Science Reviews</i> , <b>2017</b> , 206, 225-257	7.5	52
20	Dayside and nightside magnetic field responses at 780km altitude to dayside reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1670-1689	2.6	13
19	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2715-2726	2.6	34
18	Sunlight effects on the 3D polar current system determined from low Earth orbit measurements. <i>Earth, Planets and Space</i> , <b>2016</b> , 68,	2.9	20

17	Dynamic effects of restoring footprint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3963-3977	2.6	18
16	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7248-7254	4.9	26
15	How the IMF By induces a By component in the closed magnetosphere and how it leads to asymmetric currents and convection patterns in the two hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 9368-9384	2.6	64
14	What is the appropriate coordinate system for magnetometer data when analyzing ionospheric currents?. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8637-8647	2.6	22
13	Intensity asymmetries in the dusk sector of the poleward auroral oval due to IMF Bx. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 9497-9507	2.6	21
12	Auroral Asymmetries in the Conjugate Hemispheres and Interhemispheric Currents. <i>Geophysical Monograph Series</i> , <b>2013</b> , 99-112	1.1	13
11	Coincident particle and optical observations of nightside subauroral proton precipitation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1112-1122	2.6	17
10	On the non-conjugacy of nightside aurora and their generator mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3394-3406	2.6	24
9	In Situ Monitoring of Growth Interfaces: A Review of Noninvasive Methods. <i>Jom</i> , <b>2012</b> , 64, 96-101	2.1	4
8	Evolution of auroral asymmetries in the conjugate hemispheres during two substorms. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	19
7	Interhemispherical asymmetry of substorm onset locations and the interplanetary magnetic field. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	29
6	Interhemispheric observations of emerging polar cap asymmetries. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		19
5	Seasonal and interplanetary magnetic field-dependent polar cap contraction during substorm expansion phase. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		9
4	Asymmetric auroral intensities in the Earth's Northern and Southern hemispheres. <i>Nature</i> , <b>2009</b> , 460, 491-493	50.4	67
3	Persistent global proton aurora caused by high solar wind dynamic pressure. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		17
2	Quantifying the lobe reconnection rate during dominant IMF By periods and different dipole tilt orientations. <i>Journal of Geophysical Research: Space Physics</i> , e2021JA029742	2.6	1
1	Exploring solar-terrestrial interactions via multiple imaging observers. <i>Experimental Astronomy</i> , 1	1.3	0