

D L Hampton

List of Publications by Year in descending order

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50
papers

834
citations

430874

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552781

26
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52
all docs

52
docs citations

52
times ranked

874
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study of Intense Local dB/dt Variations During Two Geomagnetic Storms. Space Weather, 2018, 16, 676-693.	3.7	52
2	First Observations From the TReX Spectrograph: The Optical Spectrum of STEVE and the Picket Fence Phenomena. Geophysical Research Letters, 2019, 46, 7207-7213.	4.0	49
3	Volumetric imaging of the auroral ionosphere: Initial results from PFISR. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 738-743.	1.6	34
4	Azimuthal flow bursts in the inner plasma sheet and possible connection with SAPS and plasma sheet earthward flow bursts. Journal of Geophysical Research: Space Physics, 2015, 120, 5009-5021.	2.4	34
5	An investigation comparing ground-based techniques that quantify auroral electron flux and conductance. Journal of Geophysical Research: Space Physics, 2015, 120, 9038-9056.	2.4	34
6	MICA sounding rocket observations of conductivity gradient-generated auroral ionospheric responses: Small-scale structure with large-scale drivers. Journal of Geophysical Research: Space Physics, 2015, 120, 9661-9682.	2.4	34
7	Auroral ionospheric F region density cavity formation and evolution: MICA campaign results. Journal of Geophysical Research: Space Physics, 2014, 119, 3162-3178.	2.4	32
8	High-spatial-resolution velocity measurements derived using Local Divergence-Free Fitting of SuperDARN observations. Journal of Geophysical Research: Space Physics, 2016, 121, 1349-1361.	2.4	32
9	Pulsating aurora beyond the ultra-low-frequency range. Journal of Geophysical Research, 2012, 117, .	3.3	30
10	Multiscale temporal variations of pulsating auroras: On-off pulsation and a few Hz modulation. Journal of Geophysical Research: Space Physics, 2014, 119, 3514-3527.	2.4	30
11	Fast photometry of flickering in discrete auroral arcs. Geophysical Research Letters, 1998, 25, 2637-2640.	4.0	26
12	Coordinated ionospheric observations indicating coupling between preonset flow bursts and waves that lead to substorm onset. Journal of Geophysical Research: Space Physics, 2014, 119, 3333-3344.	2.4	25
13	Storm time response of the midlatitude thermosphere: Observations from a network of Fabry-Perot interferometers. Journal of Geophysical Research: Space Physics, 2014, 119, 6758-6773.	2.4	23
14	Stereoscopic determination of all-sky altitude map of aurora using two ground-based Nikon DSLR cameras. Annales Geophysicae, 2013, 31, 1543-1548.	1.6	22
15	First light from a kilometer-baseline Scintillation Auroral GPS Array. Geophysical Research Letters, 2015, 42, 3639-3646.	4.0	21
16	High-latitude ionospheric drivers and their effects on wind patterns in the thermosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 715-735.	2.4	20
17	High-latitude GPS phase scintillation from E region electron density gradients during the 20 th December 2015 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2017, 122, 7473-7490.	2.4	20
18	An auroral scintillation observation using precise, collocated GPS receivers. Radio Science, 2011, 46, .	1.6	19

#	ARTICLE	IF	CITATIONS
19	Measuring the seeds of ion outflow: Auroral sounding rocket observations of low-altitude ion heating and circulation. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1587-1607.	2.4	19
20	Ground-based observations of diffuse auroral structures in conjunction with Reimei measurements. <i>Annales Geophysicae</i> , 2010, 28, 873-881.	1.6	18
21	GPS Signal Corruption by the Discrete Aurora: Precise Measurements From the Mahali Experiment. <i>Geophysical Research Letters</i> , 2017, 44, 9539-9546.	4.0	18
22	Predicting Electron Population Characteristics in 2D Using Multispectral Ground-Based Imaging. <i>Geophysical Research Letters</i> , 2018, 45, 15-20.	4.0	16
23	Field-Aligned GPS Scintillation: Multisensor Data Fusion. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 974-992.	2.4	16
24	Structure and dynamics of the nightside poleward boundary: Sounding rocket and ground-based observations of auroral electron precipitation in a rayed curtain. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
25	Multiinstrument Studies of Thermospheric Weather Above Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9836-9861.	2.4	14
26	Compound auroral micromorphology: ground-based high-speed imaging. <i>Earth, Planets and Space</i> , 2015, 67, 23.	2.5	13
27	A Comparative Study of Spectral Auroral Intensity Predictions From Multiple Electron Transport Models. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 993-1005.	2.4	13
28	Two-Dimensional Maps of In Situ Ionospheric Plasma Flow Data Near Auroral Arcs Using Auroral Imagery. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3036-3056.	2.4	12
29	Spectral analysis of flickering aurora. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
30	High-speed stereoscopy of aurora. <i>Annales Geophysicae</i> , 2016, 34, 41-44.	1.6	11
31	Observations of Reduced Turbulence and Wave Activity in the Arctic Middle Atmosphere Following the January 2015 Sudden Stratospheric Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13259-13276.	3.3	11
32	Measurements of Ion-Neutral Coupling in the Auroral F Region in Response to Increases in Particle Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3900-3918.	2.4	10
33	A synthesis of star calibration techniques for ground-based narrowband electron-multiplying charge-coupled device imagers used in auroral photometry. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5991-6002.	2.4	9
34	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 2017, 44, 3963-3970.	4.0	8
35	Ionospheric Electron Heating Associated With Pulsating Auroras: Joint Optical and PFISR Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4430-4456.	2.4	8
36	Radar Observations of Flows Leading to Substorm Onset Over Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028147.	2.4	8

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37	Quasi-periodic rapid motion of pulsating auroras. Polar Science, 2016, 10, 183-191.	1.2	7
38	High-Resolution Local Measurements of F Region Ion Temperatures and Joule Heating Rates Using SuperDARN and Ground-Based Optics. Journal of Geophysical Research: Space Physics, 2019, 124, 557-572.	2.4	7
39	Is Westward Travelling Surge Driven by the Polar Cap Flow Channels?. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028498.	2.4	7
40	BG3 Glass Filter Effects on Quantifying Rapidly Pulsating Auroral Structures. Advances in Remote Sensing, 2012, 01, 53-57.	0.9	7
41	A small spacecraft for multipoint measurement of ionospheric plasma. Review of Scientific Instruments, 2017, 88, 073507.	1.3	6
42	New Results on Ionospheric Irregularity Drift Velocity Estimation Using Multi-GNSS Spaced-Receiver Array During High-Latitude Phase Scintillation. Radio Science, 2018, 53, 228-240.	1.6	6
43	Radar Observations of Flows Leading to Longitudinal Expansion of Substorm Onset Over Alaska. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028148.	2.4	6
44	Active Precipitation of Radiation Belt Electrons using Rocket Exhaust Driven Amplification (REDA) of Man-Made Whistlers. Journal of Geophysical Research: Space Physics, 0, , .	2.4	5
45	Direct Connection Between Auroral Oval Streamers/Flow Channels and Equatorward Traveling Ionospheric Disturbances. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
46	Examining the Auroral Ionosphere in Three Dimensions Using Reconstructed 2D Maps of Auroral Data to Drive the 3D GEMINI Model. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029749.	2.4	3
47	Balloons in the Earth's Auroral Science—BALBOA's Modern Exploration. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027603.	2.4	2
48	Multiyear detection, classification and hypothesis of ionospheric layer causing GNSS scintillation. Radio Science, 0, , e2021RS007328.	1.6	2
49	Development of a near-infrared balloon-borne camera for dayside and sunlit auroral observations. Journal of Geophysical Research: Space Physics, 2017, 122, 4543-4552.	2.4	1
50	Observations of Spatial Variations in O/N_2 During an Auroral Substorm Using the Multichannel Downlooking Camera on the VISIONS Rocket. Journal of Geophysical Research: Space Physics, 2018, 123, 7089-7105.	2.4	0