

E L Spanswick

List of Publications by Citations

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

86
papers

1,602
citations

22
h-index

34
g-index

89
ext. papers

1,849
ext. citations

2.9
avg, IF

4.23
L-index

#	Paper	IF	Citations
86	GPS TEC, scintillation and cycle slips observed at high latitudes during solar minimum. <i>Annales Geophysicae</i> , 2010 , 28, 1307-1316	2	82
85	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	78
84	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. <i>Journal of Geophysical Research</i> , 2012 , 117,		72
83	New science in plain sight: Citizen scientists lead to the discovery of optical structure in the upper atmosphere. <i>Science Advances</i> , 2018 , 4, eaaq0030	14.3	68
82	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	57
81	Longitudinally propagating arc wave in the pre-onset optical aurora. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	49
80	GPS phase scintillation and proxy index at high latitudes during a moderate geomagnetic storm. <i>Annales Geophysicae</i> , 2013 , 31, 805-816	2	42
79	THEMIS observations of electron cyclotron harmonic emissions, ULF waves, and pulsating auroras. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		42
78	Pc5 modulation of high energy electron precipitation: particle interaction regions and scattering efficiency. <i>Annales Geophysicae</i> , 2005 , 23, 1533-1542	2	38
77	GPS phase scintillation at high latitudes during the geomagnetic storm of 17-18 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,448	2.6	37
76	Interhemispheric comparison of GPS phase scintillation at high latitudes during the magnetic-cloud-induced geomagnetic storm of 5-7 April 2010. <i>Annales Geophysicae</i> , 2011 , 29, 2287-2304 ²		37
75	Ground based identification of dispersionless electron injections. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	36
74	Correlated Pc4B ULF waves, whistler-mode chorus, and pulsating aurora observed by the Van Allen Probes and ground-based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8749-8761 ^{2,6}		35
73	Large-scale aspects and temporal evolution of pulsating aurora. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
72	GPS TEC technique for observation of the evolution of substorm particle precipitation. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
71	Fast earthward flows, electron cyclotron harmonic waves, and diffuse auroras: Conjunctive observations and a synthesized scenario. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
70	A Statistical Analysis of STEVE. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9893-9905	2.6	33

69	Persistent, widespread pulsating aurora: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2998-3006	2.6	31
68	Near-Earth plasma sheet azimuthal pressure gradient and associated auroral development soon before substorm onset. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		29
67	First Observations From the TReX Spectrograph: The Optical Spectrum of STEVE and the Picket Fence Phenomena. <i>Geophysical Research Letters</i> , 2019 , 46, 7207-7213	4.9	28
66	Coordinated ionospheric observations indicating coupling between preonset flow bursts and waves that lead to substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3333-3344	2.6	23
65	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5584-5609	2.6	22
64	Using patchy pulsating aurora to remote sense magnetospheric convection. <i>Geophysical Research Letters</i> , 2015 , 42, 5083-5089	4.9	21
63	Multiple field line resonances: Optical, magnetic and absorption signatures. <i>Planetary and Space Science</i> , 2007 , 55, 701-713	2	20
62	On the 630 nm red-line pulsating aurora: Red-line Emission Geospace Observatory observations and model simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7988-8012	2.6	19
61	If substorm onset triggers tail reconnection, what triggers substorm onset?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19
60	Longitudinal development of a substorm brightening arc. <i>Annales Geophysicae</i> , 2009 , 27, 1935-1940	2	19
59	Scale-free and scale-dependent modes of energy release dynamics in the nighttime magnetosphere. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	19
58	Azimuthal structures of substorm electron injection and their signatures in riometer observations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
57	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8249-8261	2.6	18
56	Swarm observations of field-aligned currents associated with pulsating auroral patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9484-9499	2.6	18
55	Low-energy ion precipitation structures associated with pulsating auroral patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5408-5431	2.6	17
54	Injection region propagation outside of geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		17
53	In-situ observation of ULF wave activities associated with substorm expansion phase onset and current disruption. <i>Annales Geophysicae</i> , 2009 , 27, 2191-2204	2	17
52	First observations from the RISR-C incoherent scatter radar. <i>Radio Science</i> , 2016 , 51, 1645-1659	1.4	17

51	GPS phase scintillation at high latitudes during geomagnetic storms of 7–17 March 2012 [Part 1: The North American sector. <i>Annales Geophysicae</i> , 2015 , 33, 637-656	2	16
50	A survey of quiet auroral arc orientation and the effects of the interplanetary magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2550-2562	2.6	16
49	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
48	Magnetospheric Dynamics and the Proton Aurora. <i>Geophysical Monograph Series</i> , 2013 , 365-378	1.1	16
47	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		16
46	AKR breakup and auroral particle acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		16
45	A statistical study of the motion of pulsating aurora patches: using the THEMIS All-Sky Imager. <i>Annales Geophysicae</i> , 2017 , 35, 217-225	2	15
44	Ionospheric convection signatures of tail fast flows during substorms and Poleward Boundary Intensifications (PBI). <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	14
43	Energetic outer radiation belt electron precipitation during recurrent solar activity. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
42	Global observations of substorm injection region evolution: 27 August 2001. <i>Annales Geophysicae</i> , 2009 , 27, 2019-2025	2	14
41	THEMIS ground-space observations during the development of auroral spirals. <i>Annales Geophysicae</i> , 2009 , 27, 4317-4332	2	14
40	Identifying the 630 nm auroral arc emission height: A comparison of the triangulation, FAC profile, and electron density methods. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8181-8197	2.6	12
39	Multi-instrument observations of soft electron precipitation and its association with magnetospheric flows. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
38	Characteristics of night-time absorption spike events. <i>Annales Geophysicae</i> , 2006 , 24, 1887-1904	2	12
37	Optical Spectra and Emission Altitudes of Double-Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019 , 46, 13630-13639	4.9	12
36	Comment on Pulsating Auroras Produced by Interactions of Electrons and Time Domain Structures [by Mozer Et Al.. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2064-2070	2.6	11
35	Responses of Different Types of Pulsating Aurora in Cosmic Noise Absorption. <i>Geophysical Research Letters</i> , 2019 , 46, 5717-5724	4.9	11
34	Auroral wave structures and ballooning instabilities in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6319-6326	2.6	11

33	EL - a possible indicator to monitor the magnetic field stretching at global scale during substorm expansive phase: Statistical study. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		11
32	A statistical approach to determining energetic outer radiation belt electron precipitation fluxes. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3961-3978	2.6	10
31	Characterization of the energy-dependent response of riometer absorption. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 615-631	2.6	10
30	e-POP and Red Line Optical Observations of Alfvénic Auroras. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4672-4696	2.6	9
29	Multiprobe estimation of field line curvature radius in the equatorial magnetosphere and the use of proton precipitations in magnetosphere-ionosphere mapping. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4924-4945	2.6	9
28	Energetic electron precipitation characteristics observed from Antarctica during a flux dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6921-6935	2.6	9
27	On the equatorward motion and fading of proton aurora during substorm growth phase. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		9
26	Collective dynamics of bursty particle precipitation initiating in the inner and outer plasma sheet. <i>Annales Geophysicae</i> , 2009 , 27, 745-753	2	9
25	Particle energization by a substorm dipolarization. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 349-367	2.6	8
24	Remote-sensing magnetospheric dynamics with riometers: Observation and theory. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		8
23	An interhemispheric comparison of GPS phase scintillation with auroral emission observed at the South Pole and from the DMSP satellite. <i>Annals of Geophysics</i> , 2013 , 56,	1.1	8
22	Substorm Associated Spikes in High Energy Particle Precipitation. <i>Geophysical Monograph Series</i> , 2013 , 227-236	1.1	7
21	Modeling the relationship between substorm dipolarization and dispersionless injection. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		6
20	Premidnight Preponderance of Dispersionless Ion and Electron Injections. <i>Geophysical Monograph Series</i> , 2017 , 171-185	1.1	5
19	The Magnetospheric Source Region of the Bright Proton Aurora. <i>Geophysical Research Letters</i> , 2017 , 44, 10,094-10,099	4.9	5
18	Quasi-parallel electron beams and their possible application in inferring the auroral arc's root in the magnetosphere. <i>Annales Geophysicae</i> , 2013 , 31, 1077-1101	2	5
17	Meso-scale aurora within the expansion phase bulge. <i>Annales Geophysicae</i> , 2006 , 24, 2209-2218	2	5
16	Toward the Reconstruction of Substorm-Related Dynamical Pattern of the Radiowave Auroral Absorption. <i>Space Weather</i> , 2020 , 18, e2019SW002385	3.7	4

15	Selection of FUV auroral imagers for satellite missions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,019-10,031	2.6	4
14	Dynamics of the correlation between polar cap radio absorption and solar energetic proton fluxes in the interplanetary medium. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1627-1642	2.6	4
13	Auroral spectral estimation with wide-band color mosaic CCDs. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014 , 3, 71-94	1.5	4
12	Global auroral imaging in the ILWS era. <i>Advances in Space Research</i> , 2007 , 40, 409-418	2.4	4
11	Proton auroras during the transitional stage of substorm onset. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	4
10	Proxy Index Derived From All Sky Imagers for Space Weather Impact on GPS. <i>Space Weather</i> , 2018 , 16, 838-848	3.7	3
9	The Apparent Motion of STEVE and the Picket Fence Phenomena. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088980	4.9	3
8	Characterizing Auroral-Zone Absorption Based on Global Kp and Regional Geomagnetic Hourly Range Indices. <i>Space Weather</i> , 2020 , 18, e2020SW002572	3.7	3
7	Large-Scale Comparison of Polar Cap Ionospheric Velocities Measured by RISR-C, RISR-N, and SuperDARN. <i>Radio Science</i> , 2018 , 53, 624-639	1.4	3
6	Threshold speed for two-dimensional confinement of charged particles in certain axisymmetric magnetic fields. <i>Canadian Journal of Physics</i> , 2018 , 96, 519-523	1.1	2
5	A Strong Correlation Between Relativistic Electron Microbursts and Patchy Aurora. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094696	4.9	2
4	GPS phase scintillation and auroral electrojet currents during geomagnetic storms of March 17, 2013 and 2015 2017 ,		1
3	Study of Substorm-Related Auroral Absorption: Latitudinal Width and Factors Affecting the Peak Intensity of Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029779	2.6	0
2	Neutral Wind Dynamics Preceding the STEVE Occurrence and Their Possible Preconditioning Role in STEVE Formation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028505	2.6	0
1	Storm-time convection dynamics viewed from optical auroras. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 193, 105088	2	