

# E F Donovan

## List of Publications by Year in descending order

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270  
papers

8,814  
citations

53660

45  
h-index

66788

78  
g-index

276  
all docs

276  
docs citations

276  
times ranked

2907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tail Reconnection Triggering Substorm Onset. <i>Science</i> , 2008, 321, 931-935.	6.0	551
2	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 183-220.	3.7	421
3	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	3.7	332
4	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. <i>Space Science Reviews</i> , 2008, 141, 357-387.	3.7	274
5	Substorm onset observations by IMAGE-FUV. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	246
6	First Results from the THEMIS Mission. <i>Space Science Reviews</i> , 2008, 141, 453-476.	3.7	171
7	The auroral signature of earthward flow bursts observed in the magnetotail. <i>Geophysical Research Letters</i> , 2000, 27, 3241-3244.	1.5	143
8	The THEMIS all-sky imaging array's system design and initial results from the prototype imager. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1472-1487.	0.6	139
9	Evolution and characteristics of global Pc5 ULF waves during a high solar wind speed interval. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	131
10	Akebono/Suprathermal Mass Spectrometer observations of low-energy ion outflow: Dependence on magnetic activity and solar wind conditions. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	130
11	Intensification of preexisting auroral arc at substorm expansion phase onset: Wave-like disruption during the first tens of seconds. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	126
12	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002, 29, 43-1-43-4.	1.5	102
13	GPS TEC, scintillation and cycle slips observed at high latitudes during solar minimum. <i>Annales Geophysicae</i> , 2010, 28, 1307-1316.	0.6	101
14	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.	4.7	100
15	A comprehensive survey of auroral latitude Pc5 pulsation characteristics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	89
16	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	89
17	Width and structure of mesoscale optical auroral arcs. <i>Geophysical Research Letters</i> , 2001, 28, 705-708.	1.5	87
18	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, .	3.3	85

#	ARTICLE	IF	CITATIONS
19	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. <i>Annales Geophysicae</i> , 2009, 27, 2259-2275.	0.6	83
20	The temporal variation of the frequency of high latitude field line resonances. <i>Journal of Geophysical Research</i> , 1995, 100, 7987.	3.3	78
21	Two-dimensional structure of auroral poleward boundary intensifications. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 6-1.	3.3	78
22	Ground-based optical determination of the b2i boundary: A basis for an optical MT-index. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	71
23	Substorms during the 10â€“11 August 2000 sawtooth event. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	69
24	Variation of plasmatrough density derived from magnetospheric field line resonances. <i>Journal of Geophysical Research</i> , 1996, 101, 24737-24745.	3.3	66
25	Coupling of dipolarization front flow bursts to substorm expansion phase phenomena within the magnetosphere and ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	66
26	Relation of substorm breakup arc to other growth-phase auroral arcs. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 26-1.	3.3	65
27	Dayâ€“night coupling by a localized flow channel visualized by polar cap patch propagation. <i>Geophysical Research Letters</i> , 2014, 41, 3701-3709.	1.5	65
28	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	64
29	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	63
30	Auroral poleward boundary intensifications (PBIs): Their two-dimensional structure and associated dynamics in the plasma sheet. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	62
31	Possible connection of polar cap flows to pre- and post-substorm onset PBIs and streamers. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	61
32	Simultaneous ground and satellite observations of an isolated proton arc at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	60
33	Nearâ€“Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	60
34	Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 142-150.	0.8	58
35	A Review of Pulsating Aurora. <i>Geophysical Monograph Series</i> , 0, , 55-68.	0.1	57
36	Time-dependent magnetospheric configuration and breakup mapping during a substorm. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	56

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37	Supply of thermal ionospheric ions to the central plasma sheet. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	54
38	Statistical properties of substorm auroral onset beads/rays. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8661-8676.	0.8	54
39	Diurnal auroral occurrence statistics obtained via machine vision. <i>Annales Geophysicae</i> , 2004, 22, 1103-1113.	0.6	53
40	Longitudinally propagating arc wave in the pre-onset optical aurora. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	53
41	Structures in magnetohydrodynamic turbulence: Detection and scaling. <i>Physical Review E</i> , 2010, 82, 056326.	0.8	53
42	On the Origin of STEVE: Particle Precipitation or Ionospheric Skyglow?. <i>Geophysical Research Letters</i> , 2018, 45, 7968-7973.	1.5	52
43	Steve: The Optical Signature of Intense Subauroral Ion Drifts. <i>Geophysical Research Letters</i> , 2019, 46, 6279-6286.	1.5	51
44	Coordinated ground-based and Cluster observations of large amplitude global magnetospheric oscillations during a fast solar wind speed interval. <i>Annales Geophysicae</i> , 2002, 20, 405-426.	0.6	51
45	Correlated Pc4-5 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.	0.8	50
46	Magnetospheric Signatures of STEVE: Implications for the Magnetospheric Energy Source and Interhemispheric Conjugacy. <i>Geophysical Research Letters</i> , 2019, 46, 5637-5644.	1.5	50
47	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 927-946.	0.8	49
48	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.	1.5	49
49	A Statistical Analysis of STEVE. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9893-9905.	0.8	48
50	Fine structures and dynamics in auroral initial brightening at substorm onsets. <i>Annales Geophysicae</i> , 2009, 27, 623-630.	0.6	47
51	Large-scale aspects and temporal evolution of pulsating aurora. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	47
52	Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	46
53	Ground based identification of dispersionless electron injections. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	46
54	THEMIS observations of electron cyclotron harmonic emissions, ULF waves, and pulsating auroras. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46

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55	Pulsating auroral electron flux modulations in the equatorial magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4884-4894.	0.8	46
56	Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	45
57	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.	0.6	45
58	Pc5 modulation of high energy electron precipitation: particle interaction regions and scattering efficiency. <i>Annales Geophysicae</i> , 2005, 23, 1533-1542.	0.6	43
59	Determination of the substorm initiation region from a major conjunction interval of THEMIS satellites. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	42
60	Auroral Substorms, Poleward Boundary Activations, Auroral Streamers, Omega Bands, and Onset Precursor Activity. <i>Geophysical Monograph Series</i> , 0, , 39-54.	0.1	41
61	Observations of the phases of the substorm. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	40
62	Formation of substorm Pi2: A coherent response to auroral streamers and currents. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
63	Substorm onset and expansion phase intensification precursors seen in polar cap patches and arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2034-2042.	0.8	40
64	Persistent, widespread pulsating aurora: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2998-3006.	0.8	40
65	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	39
66	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.	3.3	38
67	Modeling the magnetic effects of field-aligned currents. <i>Journal of Geophysical Research</i> , 1993, 98, 13529-13543.	3.3	37
68	GPS TEC technique for observation of the evolution of substorm particle precipitation. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	37
69	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.	0.8	37
70	Statistical relationships between enhanced polar cap flows and PBIs. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 151-162.	0.8	36
71	The Vertical Distribution of the Optical Emissions of a Steve and Picket Fence Event. <i>Geophysical Research Letters</i> , 2019, 46, 10719-10725.	1.5	35
72	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019, 46, 12665-12674.	1.5	35

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73	Magnetospheric field-line resonances: Ground-based observations and modeling. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	34
74	Azimuthal flow bursts in the inner plasma sheet and possible connection with SAPS and plasma sheet earthward flow bursts. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5009-5021.	0.8	34
75	Localized polar cap flow enhancement tracing using airglow patches: Statistical properties, IMF dependence, and contribution to polar cap convection. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4064-4078.	0.8	33
76	Large-scale vortex dynamics in the evening and midnight auroral zone: Observations and simulations. <i>Journal of Geophysical Research</i> , 2000, 105, 18505-18518.	3.3	32
77	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001, 19, 1589-1612.	0.6	32
78	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.	3.3	32
79	Distinction between auroral substorm onset and traditional ground magnetic onset signatures. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4080-4092.	0.8	32
80	On an energyâ€ˆlatitude dispersion pattern of ion precipitation potentially associated with magnetospheric EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8137-8160.	0.8	32
81	Threeâ€ˆdimensional data assimilation and reanalysis of radiation belt electrons: Observations of a fourâ€ˆzone structure using five spacecraft and the VERB code. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8764-8783.	0.8	31
82	Key features of >30 keV electron precipitation during high speed solar wind streams: A superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
83	First observations from the RISR-C incoherent scatter radar. <i>Radio Science</i> , 2016, 51, 1645-1659.	0.8	29
84	On the 630â€ˆnm redâ€ˆline pulsating aurora: Redâ€ˆline Emission Geospace Observatory observations and model simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7988-8012.	0.8	28
85	Dual structure of auroral acceleration regions at substorm onsets as derived from auroral kilometric radiation spectra. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	27
86	Observations of the auroral width spectrum at kilometre-scale size. <i>Annales Geophysicae</i> , 2010, 28, 711-718.	0.6	27
87	Startâ€ˆtoâ€ˆend global imaging of a sunward propagating, SAPSâ€ˆassociated giant undulation event. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
88	The Origin of Pulsating Aurora: Modulated Whistler Mode Chorus Waves. <i>Geophysical Monograph Series</i> , 0, , 379-388.	0.1	27
89	The 17 March 2013 storm: Synergy of observations related to electric field modes and their ionospheric and magnetospheric Effects. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,880.	0.8	27
90	Influence of Auroral Streamers on Rapid Evolution of Ionospheric SAPS Flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,406.	0.8	27

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91	Correlation of substorm injections, auroral modulations, and ground Pi2. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	26
92	Timing and location of substorm onsets from THEMIS satellite and ground based observations. <i>Annales Geophysicae</i> , 2009, 27, 2813-2830.	0.6	26
93	Swarm observations of field-aligned currents associated with pulsating auroral patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9484-9499.	0.8	26
94	Optical Spectra and Emission Altitudes of Double-Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019, 46, 13630-13639.	1.5	26
95	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
96	The Acceleration Region of Stable Auroral Arcs. <i>Geophysical Monograph Series</i> , 0, , 227-240.	0.1	25
97	Evolution of nightside subauroral proton aurora caused by transient plasma sheet flows. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5295-5304.	0.8	25
98	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.	0.8	25
99	In situ observations of the "preexisting auroral arc" by THEMIS all sky imagers and the FAST spacecraft. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
100	Swarm Observation of Field-Aligned Currents Associated With Multiple Auroral Arc Systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,145.	0.8	24
101	Scale-free and scale-dependent modes of energy release dynamics in the nighttime magnetosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	23
102	Global simulation of proton precipitation due to field line curvature during substorms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
103	Comparative Auroral Physics: Earth and Other Planets. <i>Geophysical Monograph Series</i> , 0, , 3-26.	0.1	23
104	Using patchy pulsating aurora to remote sense magnetospheric convection. <i>Geophysical Research Letters</i> , 2015, 42, 5083-5089.	1.5	23
105	Differentiating diffuse auroras based on phenomenology. <i>Annales Geophysicae</i> , 2018, 36, 891-898.	0.6	23
106	Two-step evolution of auroral acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
107	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.	0.8	22
108	Current sheet scattering and ion isotropic boundary under 3D empirical force-balanced magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8202-8211.	0.8	22

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109	In-situ observation of ULF wave activities associated with substorm expansion phase onset and current disruption. <i>Annales Geophysicae</i> , 2009, 27, 2191-2204.	0.6	22
110	Determination of substorm onset timing and location using the THEMIS ground based observatories. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	21
111	THEMIS Ground Based Observatory System Design. <i>Space Science Reviews</i> , 2008, 141, 213-233.	3.7	21
112	If substorm onset triggers tail reconnection, what triggers substorm onset?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
113	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS&#x2013;ASI observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
114	Electrodynamics of the high&#x2013;latitude trough: Its relationship with convection flows and field&#x2013;aligned currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2565-2572.	0.8	21
115	SMILE: a joint ESA/CAS mission to investigate the interaction between the solar wind and Earth's magnetosphere. <i>Proceedings of SPIE</i> , 2016, , .	0.8	21
116	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4617-4627.	0.8	21
117	Spatiotemporal characteristics of ultra-low frequency dispersive scale shear Alfv&#x2013;n waves in the Earth&#x2013;TM's magnetosphere. <i>Physics of Plasmas</i> , 2004, 11, 1268-1276.	0.7	20
118	Azimuthal structures of substorm electron injection and their signatures in riometer observations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	20
119	Longitudinal development of a substorm brightening arc. <i>Annales Geophysicae</i> , 2009, 27, 1935-1940.	0.6	20
120	Rayleigh&#x2013;Taylor type instability in auroral patches. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	20
121	Statistical Properties of Mesoscale Plasma Flows in the Nightside High&#x2013;Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6798-6820.	0.8	20
122	Comparison of intense nightside shock-induced precipitation and substorm activity. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	19
123	Space weather explorer &#x201c; The KuaFu mission. <i>Advances in Space Research</i> , 2008, 41, 190-209.	1.2	19
124	Injection region propagation outside of geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
125	Magnetospheric Dynamics and the Proton Aurora. <i>Geophysical Monograph Series</i> , 0, , 365-378.	0.1	19
126	Low&#x2013;energy ion precipitation structures associated with pulsating auroral patches. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5408-5431.	0.8	19



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127	Surveying pulsating auroras. <i>Annales Geophysicae</i> , 2020, 38, 1-8.	0.6	19
128	Internal consistency of the Tsyganenko Magnetic Field Model and the Heppner&Maynard Empirical Model of the ionospheric electric field distribution. <i>Geophysical Research Letters</i> , 1991, 18, 1043-1046.	1.5	18
129	AKR breakup and auroral particle acceleration at substorm onset. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
130	THEMIS ground-space observations during the development of auroral spirals. <i>Annales Geophysicae</i> , 2009, 27, 4317-4332.	0.6	18
131	THEMIS observations of the near&Earth plasma sheet during a substorm. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
132	Multiscale auroral emission statistics as evidence of turbulent reconnection in Earth's midtail plasma sheet. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
133	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
134	Midnight sector observations of auroral omega bands. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	18
135	Alfv&en Wave Acceleration of Auroral Electrons in Warm Magnetospheric Plasma. <i>Geophysical Monograph Series</i> , 2013, , 251-260.	0.1	18
136	Ionospheric flow structures associated with auroral beading at substorm auroral onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9150-9159.	0.8	18
137	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8249-8261.	0.8	18
138	A statistical study of the motion of pulsating aurora patches: using the THEMIS All-Sky Imager. <i>Annales Geophysicae</i> , 2017, 35, 217-225.	0.6	18
139	A Strong Correlation Between Relativistic Electron Microbursts and Patchy Aurora. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094696.	1.5	18
140	Azimuthal structures of ray auroras at the beginning of auroral substorms. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	17
141	On the formation of pre&onset azimuthal pressure gradient in the near&Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
142	Westward traveling surges: Sliding along boundary arcs and distinction from onset arc brightening. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7643-7653.	0.8	17
143	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.	0.8	17
144	Statistical Characteristics of Polar Cap Patches Observed by RISR&C. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6981-6995.	0.8	17

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145	Magnetospheric Conditions for STEVE and SAID: Particle Injection, Substorm Surge, and Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027782.	0.8	17
146	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. , 2009, , 357-387.		17
147	Substorm associated changes in the high-latitude ionospheric convection. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	16
148	Coordinated THEMIS spacecraft and all-sky imager observations of interplanetary shock effects on plasma sheet flow bursts, poleward boundary intensifications, and streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3346-3356.	0.8	16
149	Tail reconnection region versus auroral activity inferred from conjugate ARTEMIS plasma sheet flow and auroral observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5758-5766.	0.8	16
150	Tracking patchy pulsating aurora through all-sky images. <i>Annales Geophysicae</i> , 2017, 35, 777-784.	0.6	16
151	A Statistical Survey of the 630.0-nm Optical Signature of Periodic Auroral Arcs Resulting From Magnetospheric Field Line Resonances. <i>Geophysical Research Letters</i> , 2018, 45, 4648-4655.	1.5	16
152	Global observations of substorm injection region evolution: 27 August 2001. <i>Annales Geophysicae</i> , 2009, 27, 2019-2025.	0.6	15
153	Ion temperature drop and quasi-electrostatic electric field at the current sheet boundary minutes prior to the local current disruption. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	15
154	Comprehensive ground-based and in situ observations of substorm expansion phase onset. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	15
155	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.	1.5	15
156	Auroral Signatures of the Dynamic Plasma Sheet. <i>Geophysical Monograph Series</i> , 0, , 317-336.	0.1	15
157	Stormtime substorm onsets: occurrence and flow channel triggering. <i>Earth, Planets and Space</i> , 2018, 70, 81.	0.9	15
158	Dynamics of Auroral Precipitation Boundaries Associated With STEVE and SAID. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028067.	0.8	15
159	Regions of negative $B_z$ in the Tsyganenko 1989 Model Neutral Sheet. <i>Journal of Geophysical Research</i> , 1992, 97, 8697-8700.	3.3	14
160	Evidence for a discrete spectrum of persistent magnetospheric fluctuations below 1 mHz. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	14
161	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.	3.3	14
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