E F Donovan

List of Publications by Year
in descending order

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270	8,814	53660	66788
papers	citations	45 h-index	78 g-index

276	276	276	2907
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spaceâ€Ground Observations of Dynamics of Substorm Onset Beads. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	8
2	Polar Cap Boundary Identification Using Redline Optical Data and DMSP Satellite Particle Data. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
3	Interaction Between Proton Aurora and Stable Auroral Red Arcs Unveiled by Citizen Scientist Photographs. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
4	Radar Observations of Flows Leading to Longitudinal Expansion of Substorm Onset Over Alaska. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028148.	0.8	6
5	Radar Observations of Flows Leading to Substorm Onset Over Alaska. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028147.	0.8	8
6	Effects of Ion Slippage in Earth's Ionosphere and the Plasma Sheet. Geophysical Research Letters, 2021, 48, e2020GL091494.	1.5	1
7	Neutral Wind Dynamics Preceding the STEVE Occurrence and Their Possible Preconditioning Role in STEVE Formation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028505.	0.8	5
8	Evidence of Alfvenic Poynting Flux as the Primary Driver of Auroral Motion During a Geomagnetic Substorm. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029019.	0.8	6
9	A Strong Correlation Between Relativistic Electron Microbursts and Patchy Aurora. Geophysical Research Letters, 2021, 48, e2021GL094696.	1.5	18
10	Estimating Precipitating Energy Flux, Average Energy, and Hall Auroral Conductance From THEMIS All-Sky-Imagers With Focus on Mesoscales. Frontiers in Physics, 2021, 9, .	1.0	10
11	A Timeâ€Dependent Twoâ€Dimensional Model Simulation of Lower Ionospheric Variations Under Intense SAID. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	7
12	Potential Association Between the Low-Energy Plasma Structure and the Patchy Pulsating Aurora. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	3
13	The Apparent Motion of STEVE and the Picket Fence Phenomena. Geophysical Research Letters, 2020, 47, e2020GL088980.	1.5	10
14	Magnetospheric Conditions for STEVE and SAID: Particle Injection, Substorm Surge, and Fieldâ€Aligned Currents. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027782.	0.8	17
15	On the source region and orientations of nightside auroral arcs. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 204, 105288.	0.6	2
16	Surveying pulsating auroras. Annales Geophysicae, 2020, 38, 1-8.	0.6	19
17	Dynamics of Auroral Precipitation Boundaries Associated With STEVE and SAID. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028067.	0.8	15
18	Extreme Magnetosphereâ€Ionosphereâ€Thermosphere Responses to the 5 April 2010 Supersubstorm. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027654.	0.8	14

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19	Toward the Reconstruction of Substormâ€Related Dynamical Pattern of the Radiowave Auroral Absorption. Space Weather, 2020, 18, e2019SW002385.	1.3	8
20	Relative contributions of large-scale and wedgelet currents in the substorm current wedge. Earth, Planets and Space, 2020, 72, 106.	0.9	14
21	Storm-time convection dynamics viewed from optical auroras. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 193, 105088.	0.6	0
22	Steve: The Optical Signature of Intense Subauroral Ion Drifts. Geophysical Research Letters, 2019, 46, 6279-6286.	1.5	51
23	Responses of Different Types of Pulsating Aurora in Cosmic Noise Absorption. Geophysical Research Letters, 2019, 46, 5717-5724.	1.5	14
24	North American Earth Science Megaproject Continuum, Part 3: New Canadian EONâ€ROSE Program. Acta Geologica Sinica, 2019, 93, 12-13.	0.8	0
25	First Observations From the TREx Spectrograph: The Optical Spectrum of STEVE and the Picket Fence Phenomena. Geophysical Research Letters, 2019, 46, 7207-7213.	1.5	49
26	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. Journal of Geophysical Research: Space Physics, 2019, 124, 5584-5609.	0.8	37
27	Constraining the Source Regions of Pulsating Auroras. Geophysical Research Letters, 2019, 46, 10267-10273.	1.5	6
28	The Vertical Distribution of the Optical Emissions of a Steve and Picket Fence Event. Geophysical Research Letters, 2019, 46, 10719-10725.	1.5	35
29	Flow Velocity and Fieldâ€Aligned Current Associated With Field Line Resonance: SuperDARN Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4889-4904.	0.8	6
30	eâ€POP and Red Line Optical Observations of AlfvÃ©nic Auroras. Journal of Geophysical Research: Space Physics, 2019, 124, 4672-4696.	0.8	13
31	Magnetospheric Signatures of STEVE: Implications for the Magnetospheric Energy Source and Interhemispheric Conjugacy. Geophysical Research Letters, 2019, 46, 5637-5644.	1.5	50
32	The Space Physics Environment Data Analysis System (SPEDAS). Space Science Reviews, 2019, 215, 9.	3.7	332
33	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. Geophysical Research Letters, 2019, 46, 12665-12674.	1.5	35
34	Optical Spectra and Emission Altitudes of Doubleâ€Layer STEVE: A Case Study. Geophysical Research Letters, 2019, 46, 13630-13639.	1.5	26
35	Development of VUV multilayer coatings for SMILE-UVI instrument. , 2019, , .		0
36	Comment on â€œPulsating Auroras Produced by Interactions of Electrons and Time Domain Structuresâ€• by Mozer Et Al.. Journal of Geophysical Research: Space Physics, 2018, 123, 2064-2070.	0.8	13

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37	New science in plain sight: Citizen scientists lead to the discovery of optical structure in the upper atmosphere. Science Advances, 2018, 4, eaaq0030.	4.7	100
38	Threshold speed for two-dimensional confinement of charged particles in certain axisymmetric magnetic fields. Canadian Journal of Physics, 2018, 96, 519-523.	0.4	2
39	Differentiating diffuse auroras based on phenomenology. Annales Geophysicae, 2018, 36, 891-898.	0.6	23
40	Longitudinal Development of Poleward Boundary Intensifications (PBIs) of Auroral Emission. Journal of Geophysical Research: Space Physics, 2018, 123, 9005-9021.	0.8	5
41	A Statistical Analysis of STEVE. Journal of Geophysical Research: Space Physics, 2018, 123, 9893-9905.	0.8	48
42	Stormtime substorm onsets: occurrence and flow channel triggering. Earth, Planets and Space, 2018, 70, 81.	0.9	15
43	Proton auroras during the transitional stage of substorm onset. Earth, Planets and Space, 2018, 70, .	0.9	7
44	Largeâ€Scale Comparison of Polar Cap Ionospheric Velocities Measured by RISRâ€C, RISRâ€N, and SuperDARN. Radio Science, 2018, 53, 624-639.	0.8	6
45	A Statistical Survey of the 630.0â€nm Optical Signature of Periodic Auroral Arcs Resulting From Magnetospheric Field Line Resonances. Geophysical Research Letters, 2018, 45, 4648-4655.	1.5	16
46	Ionospheric Electron Heating Associated With Pulsating Auroras: Joint Optical and PFISR Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 4430-4456.	0.8	8
47	Proxy Index Derived From All Sky Imagers for Space Weather Impact on GPS. Space Weather, 2018, 16, 838-848.	1.3	5
48	Statistical Properties of Mesoscale Plasma Flows in the Nightside Highâ€Latitude Ionosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 6798-6820.	0.8	20
49	Statistical Characteristics of Polar Cap Patches Observed by RISRâ€C. Journal of Geophysical Research: Space Physics, 2018, 123, 6981-6995.	0.8	17
50	On the Origin of STEVE: Particle Precipitation or Ionospheric Skyglow?. Geophysical Research Letters, 2018, 45, 7968-7973.	1.5	52
51	EON-ROSE and the Canadian Cordillera Array â€“ Building Bridges to Span Earth System Science in Canada. Geoscience Canada, 2018, 45, 97-109.	0.3	8
52	Particle energization by a substorm dipolarization. Journal of Geophysical Research: Space Physics, 2017, 122, 349-367.	0.8	9
53	A dedicated Hâ€beta meridian scanning photometer for proton aurora measurement. Journal of Geophysical Research: Space Physics, 2017, 122, 753-764.	0.8	9
54	Birkeland current boundary flows. Journal of Geophysical Research: Space Physics, 2017, 122, 4617-4627.	0.8	21

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55	Identifying the 630Ânm auroral arc emission height: A comparison of the triangulation, FAC profile, and electron density methods. Journal of Geophysical Research: Space Physics, 2017, 122, 8181-8197.	0.8	17
56	Ionospheric electron heating associated with pulsating auroras: A Swarm survey and model simulation. Journal of Geophysical Research: Space Physics, 2017, 122, 8781-8807.	0.8	11
57	Swarm Observation of Fieldâ€Aligned Currents Associated With Multiple Auroral Arc Systems. Journal of Geophysical Research: Space Physics, 2017, 122, 10,145.	0.8	24
58	Influence of Auroral Streamers on Rapid Evolution of Ionospheric SAPS Flows. Journal of Geophysical Research: Space Physics, 2017, 122, 12,406.	0.8	27
59	The Magnetospheric Source Region of the Bright Proton Aurora. Geophysical Research Letters, 2017, 44, 10,094.	1.5	8
60	Dataâ€derived optimization of sensitivity requirements for upcoming auroral imaging missions. Journal of Geophysical Research: Space Physics, 2017, 122, 9358-9370.	0.8	0
61	A statistical study of the motion of pulsating aurora patches: using the THEMIS All-Sky Imager. Annales Geophysicae, 2017, 35, 217-225.	0.6	18
62	Tracking patchy pulsating aurora through all-sky images. Annales Geophysicae, 2017, 35, 777-784.	0.6	16
63	Slicing the Aurora. , 2016, , .		1
64	SMILE: a joint ESA/CAS mission to investigate the interaction between the solar wind and Earth's magnetosphere. Proceedings of SPIE, 2016, , .	0.8	21
65	First observations from the RISR-C incoherent scatter radar. Radio Science, 2016, 51, 1645-1659.	0.8	29
66	The 17 March 2013 storm: Synergy of observations related to electric field modes and their ionospheric and magnetospheric Effects. Journal of Geophysical Research: Space Physics, 2016, 121, 10,880.	0.8	27
67	On the 630â€‰nm redâ€line pulsating aurora: Redâ€line Emission Geospace Observatory observations and model simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 7988-8012.	0.8	28
68	Statistical properties of substorm auroral onset beads/rays. Journal of Geophysical Research: Space Physics, 2016, 121, 8661-8676.	0.8	54
69	Selection of FUV auroral imagers for satellite missions. Journal of Geophysical Research: Space Physics, 2016, 121, 10,019-10,031.	0.8	4
70	Auroral meridian scanning photometer calibration using Jupiter. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 493-512.	0.6	1
71	Localized polar cap flow enhancement tracing using airglow patches: Statistical properties, IMF dependence, and contribution to polar cap convection. Journal of Geophysical Research: Space Physics, 2015, 120, 4064-4078.	0.8	33
72	Lowâ€energy ion precipitation structures associated with pulsating auroral patches. Journal of Geophysical Research: Space Physics, 2015, 120, 5408-5431.	0.8	19

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73	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.	0.8	34
74	Correlated Pc4â€“5 ULF waves, whistlerâ€mode chorus, and pulsating aurora observed by the Van Allen Probes and groundâ€based systems. Journal of Geophysical Research: Space Physics, 2015, 120, 8749-8761.	0.8	50
75	Characterization of the energyâ€dependent response of riometer absorption. Journal of Geophysical Research: Space Physics, 2015, 120, 615-631.	0.8	14
76	Using patchy pulsating aurora to remote sense magnetospheric convection. Geophysical Research Letters, 2015, 42, 5083-5089.	1.5	23
77	On a possible connection between the longitudinally propagating near-Earth plasma sheet and auroral arc waves: A reexamination. Journal of Geophysical Research: Space Physics, 2015, 120, 432-444.	0.8	5
78	Swarm observations of fieldâ€aligned currents associated with pulsating auroral patches. Journal of Geophysical Research: Space Physics, 2015, 120, 9484-9499.	0.8	26
79	Polar cap precursor of nightside auroral oval intensifications using polar cap arcs. Journal of Geophysical Research: Space Physics, 2015, 120, 10,698-10,711.	0.8	14
80	Link between premidnight second harmonic poloidal waves and auroral undulations: Conjugate observations with a Van Allen Probe spacecraft and a THEMIS all-sky imager. Journal of Geophysical Research: Space Physics, 2015, 120, 1814-1831.	0.8	14
81	Threeâ€dimensional data assimilation and reanalysis of radiation belt electrons: Observations of a fourâ€zone structure using five spacecraft and the VERB code. Journal of Geophysical Research: Space Physics, 2014, 119, 8764-8783.	0.8	31
82	Ionospheric flow structures associated with auroral beading at substorm auroral onset. Journal of Geophysical Research: Space Physics, 2014, 119, 9150-9159.	0.8	18
83	On the relation between auroral “scintillation” and “phase without amplitude” scintillation: Initial investigations. , 2014, , .		2
84	Dynamics of the correlation between polar cap radio absorption and solar energetic proton fluxes in the interplanetary medium. Journal of Geophysical Research: Space Physics, 2014, 119, 1627-1642.	0.8	5
85	A survey of quiet auroral arc orientation and the effects of the interplanetary magnetic field. Journal of Geophysical Research: Space Physics, 2014, 119, 2550-2562.	0.8	22
86	Evolution of nightside subauroral proton aurora caused by transient plasma sheet flows. Journal of Geophysical Research: Space Physics, 2014, 119, 5295-5304.	0.8	25
87	Auroral fragmentation into patches. Journal of Geophysical Research: Space Physics, 2014, 119, 8249-8261.	0.8	18
88	Dayâ€night coupling by a localized flow channel visualized by polar cap patch propagation. Geophysical Research Letters, 2014, 41, 3701-3709.	1.5	65
89	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.	0.8	25
90	Statistical relationships between enhanced polar cap flows and PBIs. Journal of Geophysical Research: Space Physics, 2014, 119, 151-162.	0.8	36

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91	Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. Journal of Geophysical Research: Space Physics, 2014, 119, 142-150.	0.8	58
92	Current sheet scattering and ion isotropic boundary under 3â€Ð empirical forceâ€balanced magnetic field. Journal of Geophysical Research: Space Physics, 2014, 119, 8202-8211.	0.8	22
93	On an energyâ€latitude dispersion pattern of ion precipitation potentially associated with magnetospheric EMIC waves. Journal of Geophysical Research: Space Physics, 2014, 119, 8137-8160.	0.8	32
94	In situ spatiotemporal measurements of the detailed azimuthal substructure of the substorm current wedge. Journal of Geophysical Research: Space Physics, 2014, 119, 927-946.	0.8	49
95	Pulsating auroral electron flux modulations in the equatorial magnetosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 4884-4894.	0.8	46
96	Reply to comment by Rae et al. on â€œFormation of substorm Pi2: A coherent response to auroral streamers and currentsâ€• Journal of Geophysical Research: Space Physics, 2013, 118, 3497-3499.	0.8	2
97	Auroral Morphology: A Historical Account and Major Auroral Features During Auroral Substorms. Geophysical Monograph Series, 2013, , 29-38.	0.1	12
98	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. Space Science Reviews, 2013, 179, 183-220.	3.7	421
99	Substorm onset and expansion phase intensification precursors seen in polar cap patches and arcs. Journal of Geophysical Research: Space Physics, 2013, 118, 2034-2042.	0.8	40
100	Identifying the magnetotail source region leading to preonset poleward boundary intensifications. Journal of Geophysical Research: Space Physics, 2013, 118, 4335-4340.	0.8	13
101	Distinction between auroral substorm onset and traditional ground magnetic onset signatures. Journal of Geophysical Research: Space Physics, 2013, 118, 4080-4092.	0.8	32
102	Electrodynamics of the highâ€latitude trough: Its relationship with convection flows and fieldâ€aligned currents. Journal of Geophysical Research: Space Physics, 2013, 118, 2565-2572.	0.8	21
103	Coordinated THEMIS spacecraft and allâ€sky imager observations of interplanetary shock effects on plasma sheet flow bursts, poleward boundary intensifications, and streamers. Journal of Geophysical Research: Space Physics, 2013, 118, 3346-3356.	0.8	16
104	Tail reconnection region versus auroral activity inferred from conjugate ARTEMIS plasma sheet flow and auroral observations. Journal of Geophysical Research: Space Physics, 2013, 118, 5758-5766.	0.8	16
105	Multiprobe estimation of field line curvature radius in the equatorial magnetosphere and the use of proton precipitations in magnetosphereâ€ionosphere mapping. Journal of Geophysical Research: Space Physics, 2013, 118, 4924-4945.	0.8	12
106	Westward traveling surges: Sliding along boundary arcs and distinction from onset arc brightening. Journal of Geophysical Research: Space Physics, 2013, 118, 7643-7653.	0.8	17
107	Persistent, widespread pulsating aurora: A case study. Journal of Geophysical Research: Space Physics, 2013, 118, 2998-3006.	0.8	40
108	Direct auroral precipitation from the magnetotail during substorms. Geophysical Research Letters, 2013, 40, 3787-3792.	1.5	8

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109	Quasi-parallel electron beams and their possible application in inferring the auroral arc's root in the magnetosphere. Annales Geophysicae, 2013, 31, 1077-1101.	0.6	5
110	Addressing the Question, What Is a Substorm?. Eos, 2013, 94, 90-90.	0.1	0
111	The Search for Double Layers in Space Plasmas. Geophysical Monograph Series, 2013, , 241-250.	0.1	4
112	AlfvÃ©n Wave Acceleration of Auroral Electrons in Warm Magnetospheric Plasma. Geophysical Monograph Series, 2013, , 251-260.	0.1	18
113	An interhemispheric comparison of GPS phase scintillation with auroral emission observed at the South Pole and from the DMSP satellite. Annals of Geophysics, 2013, 56, .	0.5	10
114	Electromagnetic ELF wave intensification associated with fast earthward flows in mid-tail plasma sheet. Annales Geophysicae, 2012, 30, 467-488.	0.6	12
115	Global simulation of proton precipitation due to field line curvature during substorms. Journal of Geophysical Research, 2012, 117, .	3.3	23
116	Relation of substorm preâ€onset arc to largeâ€scale fieldâ€aligned current distribution. Geophysical Research Letters, 2012, 39, .	1.5	14
117	External triggering of substorms identified using modern optical versus geosynchronous particle data. Annales Geophysicae, 2012, 30, 667-673.	0.6	8
118	If substorm onset triggers tail reconnection, what triggers substorm onset?. Journal of Geophysical Research, 2012, 117, .	3.3	21
119	On the formation of preâ€onset azimuthal pressure gradient in the nearâ€Earth plasma sheet. Journal of Geophysical Research, 2012, 117, .	3.3	17
120	Multipoint observations of substorm preâ€onset flows and time sequence in the ionosphere and magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	9
121	Electron and wave characteristics observed by the THEMIS satellites near the magnetic equator during a pulsating aurora. Journal of Geophysical Research, 2012, 117, .	3.3	11
122	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. Journal of Geophysical Research, 2012, 117, .	3.3	85
123	Entropy conservation and rate of propagation of bubbles in the Earth's magnetotail: A case study. Journal of Geophysical Research, 2012, 117, .	3.3	7
124	Key features of >30 keV electron precipitation during high speed solar wind streams: A superposed epoch analysis. Journal of Geophysical Research, 2012, 117, .	3.3	30
125	A statistical study of the relative locations of electron and proton auroral boundaries inferred from meridian scanning photometer observations. Journal of Geophysical Research, 2012, 117, .	3.3	7
126	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMISâ€ASI observations. Journal of Geophysical Research, 2012, 117, .	3.3	21

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127	Formation of substorm Pi2: A coherent response to auroral streamers and currents. Journal of Geophysical Research, 2012, 117, .	3.3	40
128	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. Journal of Geophysical Research, 2012, 117, .	3.3	25
129	In situ observations of the â€œpreexisting auroral arcâ€•by THEMIS all sky imagers and the FAST spacecraft. Journal of Geophysical Research, 2012, 117, .	3.3	24
130	Coupling of dipolarization front flow bursts to substorm expansion phase phenomena within the magnetosphere and ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	66
131	GPS TEC technique for observation of the evolution of substorm particle precipitation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
132	Modeling the relationship between substorm dipolarization and dispersionless injection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
133	Large-scale aspects and temporal evolution of pulsating aurora. Journal of Geophysical Research, 2011, 116, .	3.3	47
134	Midnight sector observations of auroral omega bands. Journal of Geophysical Research, 2011, 116, .	3.3	18
135	Time-dependent magnetospheric configuration and breakup mapping during a substorm. Journal of Geophysical Research, 2011, 116, .	3.3	56
136	Periodic black auroral patches at the dawnside dipolarization front during a substorm. Journal of Geophysical Research, 2011, 116, .	3.3	7
137	Ionospheric convection signatures of tail fast flows during substorms and Poleward Boundary Intensifications (PBI). Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	15
138	Advection of magnetic energy as a source of power for auroral arcs. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	5
139	Near-Earth plasma sheet azimuthal pressure gradient and associated auroral development soon before substorm onset. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	32
140	Statistics of the longitudinal splitting of proton aurora during substorms. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
141	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	39
142	Fast earthward flows, electron cyclotron harmonic waves, and diffuse auroras: Conjunctive observations and a synthesized scenario. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
143	Multi-instrument observations of soft electron precipitation and its association with magnetospheric flows. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	14
144	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. Journal of Geophysical Research, 2011, 116, .	3.3	63

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145	Possible connection of polar cap flows to pre- and post-substorm onset PBIs and streamers. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	61
146	Interhemispheric comparison of GPS phase scintillation at high latitudes during the magnetic-cloud-induced geomagnetic storm of 5â€“7 April 2010. Annales Geophysicae, 2011, 29, 2287-2304.	0.6	45
147	Observations of the auroral width spectrum at kilometre-scale size. Annales Geophysicae, 2010, 28, 711-718.	0.6	27
148	GPS TEC, scintillation and cycle slips observed at high latitudes during solar minimum. Annales Geophysicae, 2010, 28, 1307-1316.	0.6	101
149	Startâ€toâ€end global imaging of a sunward propagating, SAPSâ€associated giant undulation event. Journal of Geophysical Research, 2010, 115, .	3.3	27
150	Rayleighâ€Taylor type instability in auroral patches. Journal of Geophysical Research, 2010, 115, .	3.3	20
151	Electrostatic field and ion temperature drop in thin current sheets: A theory. Journal of Geophysical Research, 2010, 115, .	3.3	13
152	Multiscale auroral emission statistics as evidence of turbulent reconnection in Earth's midtail plasma sheet. Journal of Geophysical Research, 2010, 115, .	3.3	18
153	Injection region propagation outside of geosynchronous orbit. Journal of Geophysical Research, 2010, 115, .	3.3	19
154	THEMIS observations of electron cyclotron harmonic emissions, ULF waves, and pulsating auroras. Journal of Geophysical Research, 2010, 115, .	3.3	46
155	Twoâ€step evolution of auroral acceleration at substorm onset. Journal of Geophysical Research, 2010, 115, .	3.3	22
156	Dataâ€derived spatiotemporal resolution constraints for global auroral imagers. Journal of Geophysical Research, 2010, 115, .	3.3	11
157	A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity. Journal of Geophysical Research, 2010, 115, .	3.3	18
158	Dual scaling for selfâ€organized critical models of the magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	10
159	Comprehensive groundâ€based and in situ observations of substorm expansion phase onset. Journal of Geophysical Research, 2010, 115, .	3.3	15
160	Structures in magnetohydrodynamic turbulence: Detection and scaling. Physical Review E, 2010, 82, 056326.	0.8	53
161	Fine structures and dynamics in auroral initial brightening at substorm onsets. Annales Geophysicae, 2009, 27, 623-630.	0.6	47
162	Timing and location of substorm onsets from THEMIS satellite and ground based observations. Annales Geophysicae, 2009, 27, 2813-2830.	0.6	26

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163	Observation of an inner magnetosphere electric field associated with a BBF-like flow and PBIs. Annales Geophysicae, 2009, 27, 1489-1500.	0.6	2
164	Longitudinal development of a substorm brightening arc. Annales Geophysicae, 2009, 27, 1935-1940.	0.6	20
165	Global observations of substorm injection region evolution: 27 August 2001. Annales Geophysicae, 2009, 27, 2019-2025.	0.6	15
166	Response to Comment on â€œTail Reconnection Triggering Substorm Onsetâ€• Science, 2009, 324, 1391-1391.	6.0	45
167	Longitudinally propagating arc wave in the preâ€onset optical aurora. Geophysical Research Letters, 2009, 36, .	1.5	53
168	Azimuthal structures of ray auroras at the beginning of auroral substorms. Geophysical Research Letters, 2009, 36, .	1.5	17
169	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. Geophysical Research Letters, 2009, 36, .	1.5	64
170	Ion temperature drop and quasiâ€electrostatic electric field at the current sheet boundary minutes prior to the local current disruption. Journal of Geophysical Research, 2009, 114, .	3.3	15
171	THEMIS ground-space observations during the development of auroral spirals. Annales Geophysicae, 2009, 27, 4317-4332.	0.6	18
172	Nearâ€Earth initiation of a terrestrial substorm. Journal of Geophysical Research, 2009, 114, .	3.3	60
173	THEMIS observations of the nearâ€Earth plasma sheet during a substorm. Journal of Geophysical Research, 2009, 114, .	3.3	18
174	THEMIS Ground Based Observatory System Design. , 2009, , 213-233.		4
175	The THEMIS Array of Ground-based Observatories forÂthe Study of Auroral Substorms. , 2009, , 357-387.		17
176	First Results from the THEMIS Mission. , 2009, , 453-476.		7
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