

E F Donovan

List of Publications by Year in Descending Order

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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.

266
papers

7,114
citations

42
h-index

70
g-index

276
ext. papers

8,004
ext. citations

3.2
avg, IF

5.55
L-index

#	Paper	IF	Citations
266	Space-Ground Observations of Dynamics of Substorm Onset Beads. <i>Journal of Geophysical Research: Space Physics</i> , 2022 , 127,	2.6	4
265	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
264	Evidence of Alfvénic Poynting Flux as the Primary Driver of Auroral Motion During a Geomagnetic Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029019	2.6	4
263	Radar Observations of Flows Leading to Longitudinal Expansion of Substorm Onset Over Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028148	2.6	2
262	Radar Observations of Flows Leading to Substorm Onset Over Alaska. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028147	2.6	1
261	Effects of Ion Slippage in Earth's Ionosphere and the Plasma Sheet. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091494	4.9	1
260	A Strong Correlation Between Relativistic Electron Microbursts and Patchy Aurora. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094696	4.9	2
259	Transient Solar Wind-Magnetosphere-Ionosphere Interaction Associated with Foreshock and Magnetosheath Transients and Localized Magnetopause Reconnection. <i>Geophysical Monograph Series</i> , 2020 , 39-53	1.1	3
258	Surveying pulsating auroras. <i>Annales Geophysicae</i> , 2020 , 38, 1-8	2	11
257	Dynamics of Auroral Precipitation Boundaries Associated With STEVE and SAID. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028067	2.6	6
256	Extreme Magnetosphere-Ionosphere-Thermosphere Responses to the 5 April 2010 Supersubstorm. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027654	2.6	7
255	Toward the Reconstruction of Substorm-Related Dynamical Pattern of the Radiowave Auroral Absorption. <i>Space Weather</i> , 2020 , 18, e2019SW002385	3.7	4
254	Relative contributions of large-scale and wedgelet currents in the substorm current wedge. <i>Earth, Planets and Space</i> , 2020 , 72, 106	2.9	4
253	The Apparent Motion of STEVE and the Picket Fence Phenomena. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088980	4.9	3
252	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	2.6	8
251	On the source region and orientations of nightside auroral arcs. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020 , 204, 105288	2	
250	The Vertical Distribution of the Optical Emissions of a Steve and Picket Fence Event. <i>Geophysical Research Letters</i> , 2019 , 46, 10719-10725	4.9	22

249	Flow Velocity and Field-Aligned Current Associated With Field Line Resonance: SuperDARN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4889-4904	2.6	3
248	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
247	Magnetospheric Signatures of STEVE: Implications for the Magnetospheric Energy Source and Interhemispheric Conjugacy. <i>Geophysical Research Letters</i> , 2019 , 46, 5637-5644	4.9	34
246	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
245	Storm-time convection dynamics viewed from optical auroras. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 193, 105088	2	
244	Steve: The Optical Signature of Intense Subauroral Ion Drifts. <i>Geophysical Research Letters</i> , 2019 , 46, 6279-6286	4.9	30
243	Responses of Different Types of Pulsating Aurora in Cosmic Noise Absorption. <i>Geophysical Research Letters</i> , 2019 , 46, 5717-5724	4.9	11
242	North American Earth Science Megaproject Continuum, Part 3: New Canadian EON-ROSE Program. <i>Acta Geologica Sinica</i> , 2019 , 93, 12-13	0.7	
241	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
240	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
239	Constraining the Source Regions of Pulsating Auroras. <i>Geophysical Research Letters</i> , 2019 , 46, 10267-10273	4.9	3
238	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019 , 46, 12665-12674	4.9	21
237	Optical Spectra and Emission Altitudes of Double-Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019 , 46, 13630-13639	4.9	12
236	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
235	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
234	Proxy Index Derived From All Sky Imagers for Space Weather Impact on GPS. <i>Space Weather</i> , 2018 , 16, 838-848	3.7	3
233	Statistical Properties of Mesoscale Plasma Flows in the Nightside High-Latitude Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6798-6820	2.6	12
232	Statistical Characteristics of Polar Cap Patches Observed by RISR-C. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6981-6995	2.6	11

231	On the Origin of STEVE: Particle Precipitation or Ionospheric Skyglow?. <i>Geophysical Research Letters</i> , 2018 , 45, 7968-7973	4.9	38
230	EON-ROSE and the Canadian Cordillera Array [Building Bridges to Span Earth System Science in Canada. <i>Geoscience Canada</i> , 2018 , 45, 97-109	3.5	7
229	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
228	Differentiating diffuse auroras based on phenomenology. <i>Annales Geophysicae</i> , 2018 , 36, 891-898	2	15
227	Longitudinal Development of Poleward Boundary Intensifications (PBIs) of Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9005-9021	2.6	5
226	A Statistical Analysis of STEVE. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9893-9905	2.6	33
225	Stormtime substorm onsets: occurrence and flow channel triggering. <i>Earth, Planets and Space</i> , 2018 , 70, 81	2.9	9
224	Proton auroras during the transitional stage of substorm onset. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	4
223	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
222	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	4.9	14
221	Ionospheric Electron Heating Associated With Pulsating Auroras: Joint Optical and PFISR Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4430-4456	2.6	6
220	Particle energization by a substorm dipolarization. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 349-367	2.6	8
219	A dedicated H-beta meridian scanning photometer for proton aurora measurement. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 753-764	2.6	7
218	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4617-4627	2.6	16
217	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
216	Ionospheric electron heating associated with pulsating auroras: A Swarm survey and model simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8781-8807	2.6	8
215	Swarm Observation of Field-Aligned Currents Associated With Multiple Auroral Arc Systems. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,145-10,156	2.6	18
214	Influence of Auroral Streamers on Rapid Evolution of Ionospheric SAPS Flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,406	2.6	22

213	The Magnetospheric Source Region of the Bright Proton Aurora. <i>Geophysical Research Letters</i> , 2017 , 44, 10,094-10,099	4.9	5
212	Data-derived optimization of sensitivity requirements for upcoming auroral imaging missions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9358-9370	2.6	
211	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
210	Tracking patchy pulsating aurora through all-sky images. <i>Annales Geophysicae</i> , 2017 , 35, 777-784	2	12
209	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, 10,880-10,896	2.6	17
208	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
207	Statistical properties of substorm auroral onset beads/rays. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8661-8676	2.6	45
206	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
205	Auroral meridian scanning photometer calibration using Jupiter. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016 , 5, 493-512	1.5	1
204	Slicing the Aurora 2016 ,		1
203	SMILE: a joint ESA/CAS mission to investigate the interaction between the solar wind and Earth's magnetosphere 2016 ,		15
202	First observations from the RISR-C incoherent scatter radar. <i>Radio Science</i> , 2016 , 51, 1645-1659	1.4	17
201	Future Atmosphere-Ionosphere-Magnetosphere Coupling Study Requirements. <i>Geophysical Monograph Series</i> , 2016 , 355-376	1.1	1
200	Link between premidnight second harmonic poloidal waves and auroral undulations: Conjugate observations with a Van Allen Probe spacecraft and a THEMIS all-sky imager. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1814-1831	2.6	14
199	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	2.6	26
198	Dynamics Related to Plasmasheet Flow Bursts as Revealed from the Aurora. <i>Geophysical Monograph Series</i> , 2015 , 95-113	1.1	1
197	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
196	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	2.6	29

195	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
194	Characterization of the energy-dependent response of riometer absorption. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 615-631	2.6	10
193	Using patchy pulsating aurora to remote sense magnetospheric convection. <i>Geophysical Research Letters</i> , 2015 , 42, 5083-5089	4.9	21
192	On a possible connection between the longitudinally propagating near-Earth plasma sheet and auroral arc waves: A reexamination. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 432-444	2.6	5
191	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
190	Polar cap precursor of nightside auroral oval intensifications using polar cap arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,698-10,711	2.6	13
189	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
188	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
187	Evolution of nightside subauroral proton aurora caused by transient plasma sheet flows. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5295-5304	2.6	19
186	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8249-8261	2.6	18
185	Day-night coupling by a localized flow channel visualized by polar cap patch propagation. <i>Geophysical Research Letters</i> , 2014 , 41, 3701-3709	4.9	53
184	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
183	Statistical relationships between enhanced polar cap flows and PBIs. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 151-162	2.6	31
182	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	2.6	46
181	Current sheet scattering and ion isotropic boundary under 3-D empirical force-balanced magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8202-8211	2.6	16
180	On an energy-latitude dispersion pattern of ion precipitation potentially associated with magnetospheric EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8137-8160	2.6	24
179	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	2.6	41
178	Three-dimensional data assimilation and reanalysis of radiation belt electrons: Observations of a four-zone structure using five spacecraft and the VERB code. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8764-8783	2.6	26

177	Ionospheric flow structures associated with auroral beading at substorm auroral onset. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9150-9159	2.6	15
176	On the relation between auroral δ scintillation and β phase without amplitude δ scintillation: Initial investigations 2014 ,		2
175	Pulsating auroral electron flux modulations in the equatorial magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4884-4894	2.6	37
174	Reply to comment by Rae et al. on δ formation of substorm Pi2: A coherent response to auroral streamers and currents \square <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3497-3499	2.6	2
173	Comparative Auroral Physics: Earth and Other Planets. <i>Geophysical Monograph Series</i> , 2013 , 3-26	1.1	18
172	Substorm Associated Spikes in High Energy Particle Precipitation. <i>Geophysical Monograph Series</i> , 2013 , 227-236	1.1	7
171	Auroral Signatures of the Dynamic Plasma Sheet. <i>Geophysical Monograph Series</i> , 2013 , 317-336	1.1	12
170	Auroral Morphology: A Historical Account and Major Auroral Features During Auroral Substorms. <i>Geophysical Monograph Series</i> , 2013 , 29-38	1.1	9
169	Auroral Arc Electrodynamics: Review and Outlook. <i>Geophysical Monograph Series</i> , 2013 , 143-158	1.1	8
168	The Acceleration Region of Stable Auroral Arcs. <i>Geophysical Monograph Series</i> , 2013 , 227-240	1.1	19
167	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 183-220	7.5	360
166	The Search for Double Layers in Space Plasmas. <i>Geophysical Monograph Series</i> , 2013 , 241-250	1.1	4
165	Two-Step Acceleration of Auroral Particles at Substorm Onset as Derived From Auroral Kilometric Radiation Spectra. <i>Geophysical Monograph Series</i> , 2013 , 279-286	1.1	4
164	Mutual Evolution of Aurora and Ionospheric Electrodynamic Features Near the Harang Reversal During Substorms. <i>Geophysical Monograph Series</i> , 2013 , 159-170	1.1	9
163	Auroral Signatures of Ballooning Mode Near Substorm Onset: Open Geospace General Circulation Model Simulations. <i>Geophysical Monograph Series</i> , 2013 , 389-396	1.1	14
162	The Origin of Pulsating Aurora: Modulated Whistler Mode Chorus Waves. <i>Geophysical Monograph Series</i> , 2013 , 379-388	1.1	24
161	Multispacecraft Observations of Auroral Acceleration by Cluster. <i>Geophysical Monograph Series</i> , 2013 , 261-270	1.1	6
160	Alfvén Wave Acceleration of Auroral Electrons in Warm Magnetospheric Plasma. <i>Geophysical Monograph Series</i> , 2013 , 251-260	1.1	17

159	Coherence in Auroral Fine Structure. <i>Geophysical Monograph Series</i> , 2013 , 81-90	1.1	3
158	Auroral Substorms, Poleward Boundary Activations, Auroral Streamers, Omega Bands, and Onset Precursor Activity. <i>Geophysical Monograph Series</i> , 2013 , 39-54	1.1	30
157	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	2.6	34
156	Identifying the magnetotail source region leading to preonset poleward boundary intensifications. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4335-4340	2.6	13
155	Distinction between auroral substorm onset and traditional ground magnetic onset signatures. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4080-4092	2.6	26
154	Electrodynamics of the high-latitude trough: Its relationship with convection flows and field-aligned currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2565-2572	2.6	18
153	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	2.6	12
152	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	2.6	15
151	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
150	A Review of Pulsating Aurora. <i>Geophysical Monograph Series</i> , 2013 , 55-68	1.1	41
149	Auroral Disturbances as a Manifestation of Interplay Between Large-Scale and Mesoscale Structure of Magnetosphere-Ionosphere Electrodynamical Coupling. <i>Geophysical Monograph Series</i> , 2013 , 193-204 ^{1.1}	1.1	10
148	Magnetospheric Dynamics and the Proton Aurora. <i>Geophysical Monograph Series</i> , 2013 , 365-378	1.1	16
147	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	2.6	14
146	Persistent, widespread pulsating aurora: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2998-3006	2.6	31
145	Direct auroral precipitation from the magnetotail during substorms. <i>Geophysical Research Letters</i> , 2013 , 40, 3787-3792	4.9	5
144	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
143	Addressing the Question, What Is a Substorm?. <i>Eos</i> , 2013 , 94, 90-90	1.5	
142	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

141	Relation of substorm pre-onset arc to large-scale field-aligned current distribution. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	14
140	External triggering of substorms identified using modern optical versus geosynchronous particle data. <i>Annales Geophysicae</i> , 2012 , 30, 667-673	2	6
139	If substorm onset triggers tail reconnection, what triggers substorm onset?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19
138	On the formation of pre-onset azimuthal pressure gradient in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		17
137	Multipoint observations of substorm pre-onset flows and time sequence in the ionosphere and magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		8
136	Electron and wave characteristics observed by the THEMIS satellites near the magnetic equator during a pulsating aurora. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
135	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
134	Entropy conservation and rate of propagation of bubbles in the Earth's magnetotail: A case study. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7
133	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, n/a-n/a		27
132	A statistical study of the relative locations of electron and proton auroral boundaries inferred from meridian scanning photometer observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7
131	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
130	Formation of substorm Pi2: A coherent response to auroral streamers and currents. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		35
129	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
128	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, n/a-n/a		21
127	Coupling of dipolarization front flow bursts to substorm expansion phase phenomena within the magnetosphere and ionosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		56
126	Electromagnetic ELF wave intensification associated with fast earthward flows in mid-tail plasma sheet. <i>Annales Geophysicae</i> , 2012 , 30, 467-488	2	10
125	Global simulation of proton precipitation due to field line curvature during substorms. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
124	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

123	Modeling the relationship between substorm dipolarization and dispersionless injection. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		6
122	Large-scale aspects and temporal evolution of pulsating aurora. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
121	Midnight sector observations of auroral omega bands. <i>Journal of Geophysical Research</i> , 2011 , 116,		15
120	Time-dependent magnetospheric configuration and breakup mapping during a substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		52
119	Periodic black auroral patches at the dawnside dipolarization front during a substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		6
118	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
117	Advection of magnetic energy as a source of power for auroral arcs. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	5
116	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
115	Statistics of the longitudinal splitting of proton aurora during substorms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		6
114	Kinetic-scale magnetic turbulence and finite Larmor radius effects at Mercury. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		35
113	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
112	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
111	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
110	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		52
109	Interhemispheric comparison of GPS phase scintillation at high latitudes during the magnetic-cloud-induced geomagnetic storm of 5 th April 2010. <i>Annales Geophysicae</i> , 2011 , 29, 2287-2304 ²		37
108	Observations of the auroral width spectrum at kilometre-scale size. <i>Annales Geophysicae</i> , 2010 , 28, 711-718		20
107	GPS TEC, scintillation and cycle slips observed at high latitudes during solar minimum. <i>Annales Geophysicae</i> , 2010 , 28, 1307-1316	2	82
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