

Stephen E Milan

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.

272
papers

6,602
citations

43
h-index

63
g-index

293
ext. papers

7,446
ext. citations

2.7
avg, IF

5.76
L-index

#	Paper	IF	Citations
272	Average Ionospheric Electric Field Morphologies During Geomagnetic Storm Phases. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028512	2.6	4
271	Magnetospheric Flux Throughput in the Dungey Cycle: Identification of Convection State During 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028437	2.6	6
270	High Latitude Ionospheric Convection. <i>Geophysical Monograph Series</i> , 2021 , 21-47	1.1	0
269	Planetary Period Oscillations of Saturn's Dayside Equatorial Ionospheric Electron Density Observed on Cassini's Proximal Passes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029332	2.6	0
268	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	14
267	Do Statistical Models Capture the Dynamics of the Magnetopause During Sudden Magnetospheric Compressions?. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027289	2.6	10
266	AMPERE polar cap boundaries. <i>Annales Geophysicae</i> , 2020 , 38, 481-490	2	7
265	An Explicit IMF B Dependence on Solar Wind-Magnetosphere Coupling. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086062	4.9	7
264	Aurora in the Polar Cap: A Review. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	11
263	Bifurcated Region 2 Field-Aligned Currents Associated With Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027041	2.6	5
262	A Ray Tracing Simulation of HF Ionospheric Radar Performance at African Equatorial Latitudes. <i>Radio Science</i> , 2020 , 55, e2019RS006936	1.4	5
261	Probing the Magnetic Structure of a Pair of Transpolar Arcs With a Solar Wind Pressure Step. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027196	2.6	2
260	Concurrent Observations Of Magnetic Reconnection From Cluster, IMAGE and SuperDARN: A Comparison Of Reconnection Rates And Energy Conversion. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027264	2.6	1
259	An Improved Estimation of SuperDARN Heppner-Maynard Boundaries Using AMPERE Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027218	2.6	4
258	The Evolution of Long-Duration Cusp Spot Emission During Lobe Reconnection With Respect to Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027922	2.6	8
257	Dual-Lobe Reconnection and Horse-Collar Auroras. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028567	2.6	4
256	Height-Integrated Ionospheric Conductances Parameterized By Interplanetary Magnetic Field and Substorm Phase. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028121	2.6	4

255	Separation and Quantification of Ionospheric Convection Sources: 1. A New Technique. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6343-6357	2.6	2
254	Separation and Quantification of Ionospheric Convection Sources: 2. The Dipole Tilt Angle Influence on Reverse Convection Cells During Northward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6182-6194	2.6	6
253	Review of the accomplishments of mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF radars. <i>Progress in Earth and Planetary Science</i> , 2019 , 6,	3.9	63
252	Origin of the Extended Mars Radar Blackout of September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4556-4568	2.6	12
251	Substorm Onset Latitude and the Steadiness of Magnetospheric Convection. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1738-1752	2.6	10
250	Dayside Aurora. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	13
249	Observations of Asymmetric Lobe Convection for Weak and Strong Tail Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9999-10017	2.6	6
248	Machine Learning Analysis of Jupiter's Far-Ultraviolet Auroral Morphology. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8884-8892	2.6	1
247	Solar Influences on the Return Direction of High-Frequency Radar Backscatter. <i>Radio Science</i> , 2018 , 53, 577-597	1.4	4
246	How the IMF By Induces a Local By Component During Northward IMF Bz and Characteristic Timescales. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3333-3348	2.6	17
245	A Study of Observations of Ionospheric Upwelling Made by the EISCAT Svalbard Radar During the International Polar Year Campaign of 2007. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2192	2.6	3
244	Seasonal and Temporal Variations of Field-Aligned Currents and Ground Magnetic Deflections During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2696-2713	2.6	14
243	A Review of Birkeland Current Research Using AMPERE. <i>Geophysical Monograph Series</i> , 2018 , 257-278	1.1	27
242	The asymmetric geospace as displayed during the geomagnetic storm on August 17, 2001 2018 ,		4
241	Observations of Asymmetries in Ionospheric Return Flow During Different Levels of Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4638-4651	2.6	15
240	Energetic Particle Showers Over Mars from Comet C/2013 A1 Siding Spring. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8778-8796	2.6	8
239	Timescales of Dayside and Nightside Field-Aligned Current Response to Changes in Solar Wind-Magnetosphere Coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7307-7319	2.6	10
238	North-South Asymmetries in Earth's Magnetic Field. <i>Space Sciences Series of ISSI</i> , 2018 , 231-263	0.1	

237	Overview of Solar WindMagnetosphereIonosphereAtmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Sciences Series of ISSI</i> , 2018 , 555-581	0.1	
236	Key Ground-Based and Space-Based Assets to Disentangle Magnetic Field Sources in the Earth's Environment. <i>Space Sciences Series of ISSI</i> , 2018 , 125-158	0.1	1
235	Interhemispheric Survey of Polar Cap Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7283-7306	2.6	10
234	The asymmetric geospace as displayed during the geomagnetic storm on 17 August 2001. <i>Annales Geophysicae</i> , 2018 , 36, 1577-1596	2	12
233	Hubble Space Telescope Observations of Variations in Ganymede's Oxygen Atmosphere and Aurora. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3777-3793	2.6	10
232	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
231	The Association of High-Latitude Dayside Aurora With NBZ Field-Aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3637-3645	2.6	12
230	Magnetospheric response and reconfiguration times following IMF By reversals. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 417-431	2.6	24
229	An analysis of magnetic reconnection events and their associated auroral enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2922-2935	2.6	1
228	Timescales for the penetration of IMF By into the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 579-593	2.6	27
227	Testing nowcasts of the ionospheric convection from the expanding and contracting polar cap model. <i>Space Weather</i> , 2017 , 15, 623-636	3.7	11
226	Comparative study of large-scale auroral signatures of substorms, steady magnetospheric convection events, and sawtooth events. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6357-6373	2.6	14
225	Magnetic reconnection during steady magnetospheric convection and other magnetospheric modes. <i>Annales Geophysicae</i> , 2017 , 35, 505-524	2	6
224	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6107-6120	2.6	16
223	How Much Flux Does a Flux Transfer Event Transfer?. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,310-12,327	2.6	20
222	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7865-7890	2.6	66
221	Overview of Solar WindMagnetosphereIonosphereAtmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017 , 206, 547-573	7.5	64
220	Key Ground-Based and Space-Based Assets to Disentangle Magnetic Field Sources in the Earth's Environment. <i>Space Science Reviews</i> , 2017 , 206, 123-156	7.5	13

219	North-South Asymmetries in Earth's Magnetic Field. <i>Space Science Reviews</i> , 2017 , 206, 225-257	7.5	52
218	Dayside and nightside magnetic field responses at 780 km altitude to dayside reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1670-1689	2.6	13
217	The Influence of IMF Clock Angle on Dayside Flux Transfer Events at Mercury. <i>Geophysical Research Letters</i> , 2017 , 44, 10,829	4.9	7
216	Mars plasma system response to solar wind disturbances during solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6611-6634	2.6	21
215	Magnetotail magnetic flux monitoring based on simultaneous solar wind and magnetotail observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8821-8839	2.6	8
214	Joule heating hot spot at high latitudes in the afternoon sector. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7135-7152	2.6	6
213	Modulation of the substorm current wedge by bursty bulk flows: 8 September 2002 Revisited. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4466-4482	2.6	7
212	Average field-aligned current configuration parameterized by solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1294-1307	2.6	35
211	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2715-2726	2.6	34
210	Phase calibration of interferometer arrays at high-frequency radars. <i>Radio Science</i> , 2016 , 51, 1445-1456	1.4	10
209	Modeling the magnetospheric X-ray emission from solar wind charge exchange with verification from XMM-Newton observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4158-4179	2.6	9
208	Stellar wind-magnetosphere interaction at exoplanets: computations of auroral radio powers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 2353-2366	4.3	44
207	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. <i>Annales Geophysicae</i> , 2016 , 34, 943-959	2	17
206	One year in the Earth's magnetosphere: A global MHD simulation and spacecraft measurements. <i>Space Weather</i> , 2016 , 14, 351-367	3.7	9
205	Solar cycle variations in the ionosphere of Mars as seen by multiple Mars Express data sets. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2547-2568	2.6	28
204	Seasonal and diurnal variations in AMPERE observations of the Birkeland currents compared to modeled results. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4027-4040	2.6	53
203	Dynamic effects of restoring footpoint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3963-3977	2.6	18
202	What controls the local time extent of flux transfer events?. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1391-1401	2.6	15

201	Dayside reconnection under interplanetary magnetic field By-dominated conditions: The formation and movement of bending arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2967-2978	2.6	17
200	Azimuthal velocity shear within an Earthward fast flow [Further evidence for magnetotail untwisting?]. <i>Annales Geophysicae</i> , 2015 , 33, 245-255	2	13
199	Automatically determining the origin direction and propagation mode of high-frequency radar backscatter. <i>Radio Science</i> , 2015 , 50, 1225-1245	1.4	11
198	Mechanisms that Produce Auroral Asymmetries in Conjugate Hemispheres. <i>Geophysical Monograph Series</i> , 2015 , 131-143	1.1	5
197	The interaction between transpolar arcs and cusp spots. <i>Geophysical Research Letters</i> , 2015 , 42, 9685-9693	2.3	19
196	The statistical difference between bending arcs and regular polar arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,443	2.6	20
195	Corotating Interaction Regions as Seen by the STEREO Heliospheric Imagers 2007 \mathbb{D} 2010. <i>Solar Physics</i> , 2015 , 290, 2291-2309	2.6	5
194	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , 2015 , 42, 7248-7254	4.9	26
193	How the IMF By induces a By component in the closed magnetosphere and how it leads to asymmetric currents and convection patterns in the two hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9368-9384	2.6	64
192	Evidence of scale height variations in the Martian ionosphere over the solar cycle. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,913-10,925	2.6	17
191	Principal component analysis of Birkeland currents determined by the Active Magnetosphere and Planetary Electrodynamics Response Experiment. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,415-10,424	2.6	27
190	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
189	Are steady magnetospheric convection events prolonged substorms??. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1751-1758	2.6	26
188	Sun et Lumi�re: Solar Wind-Magnetosphere Coupling as Deduced from Ionospheric Flows and Polar Auroras. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015 , 33-64	0.3	15
187	Statistical comparison of seasonal variations in the GUMICS-4 global MHD model ionosphere and measurements. <i>Space Weather</i> , 2014 , 12, 582-600	3.7	16
186	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014 , 182, 85-154	7.5	36
185	Assessing the Effect of Spacecraft Motion on Single-Spacecraft Solar Wind Tracking Techniques. <i>Solar Physics</i> , 2014 , 289, 3935-3947	2.6	6
184	A superposed epoch analysis of the regions 1 and 2 Birkeland currents observed by AMPERE during substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9834-9846	2.6	38

183	The influence of IMF clock angle timescales on the morphology of ionospheric convection. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5861-5876	2.6	27
182	Thermospheric density perturbations in response to substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4441-4455	2.6	14
181	Saturn's elusive nightside polar arc. <i>Geophysical Research Letters</i> , 2014 , 41, 6321-6328	4.9	15
180	Intensity asymmetries in the dusk sector of the poleward auroral oval due to IMF Bx. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9497-9507	2.6	21
179	Event study combining magnetospheric and ionospheric perspectives of the substorm current wedge modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9714-9728	2.6	14
178	The magnitudes of the regions 1 and 2 Birkeland currents observed by AMPERE and their role in solar wind-magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9804-9815	2.6	46
177	Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere. <i>Science</i> , 2014 , 346, 1506-10	33.3	36
176	ECLAT Cluster Spacecraft Magnetotail Plasma Region Identifications (2001-2009). <i>Dataset Papers in Science</i> , 2014 , 2014, 1-13		19
175	Temporal and spatial dynamics of the regions 1 and 2 Birkeland currents during substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3007-3016	2.6	44
174	On the influence of open magnetic flux on substorm intensity: Ground- and space-based observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2958-2969	2.6	32
173	Solar cycle variations in polar cap area measured by the superDARN radars. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6188-6196	2.6	14
172	Large flow shears around auroral beads at substorm onset. <i>Geophysical Research Letters</i> , 2013 , 40, 4987-4991	4.9	18
171	Verification of the GUMICS-4 global MHD code using empirical relationships. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3138-3146	2.6	11
170	The Heppner-Maynard Boundary measured by SuperDARN as a proxy for the latitude of the auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 685-697	2.6	20
169	Modeling Birkeland currents in the expanding/contracting polar cap paradigm. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5532-5542	2.6	30
168	Characteristics of medium-scale traveling ionospheric disturbances observed near the Antarctic Peninsula by HF radar. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5830-5841	2.6	35
167	Traveling ionospheric disturbances in the Weddell Sea Anomaly associated with geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6608-6617	2.6	5
166	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013 , 31, 817-833	2	28

165	Relationship between interplanetary parameters and the magnetopause reconnection rate quantified from observations of the expanding polar cap. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		91
164	KuaFu: exploring the Sun-Earth connection. <i>Astronomy and Geophysics</i> , 2012 , 53, 4.21-4.24	0.2	4
163	Ionospheric flows relating to transpolar arc formation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		28
162	Storm and substorm effects on magnetotail current sheet motion. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
161	The IMF dependence of the local time of transpolar arcs: Implications for formation mechanism. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		50
160	Global-scale observations of ionospheric convection variation in response to sudden increases in the solar wind dynamic pressure. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		6
159	Simultaneous ground-satellite observations of meso-scale auroral arc undulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		5
158	Seasonal and clock angle control of the location of flux transfer event signatures at the magnetopause. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
157	Determining the axial direction of high-shear flux transfer events: Implications for models of FTE structure. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
156	The orientation and current density of the magnetotail current sheet: A statistical study of the effect of geomagnetic conditions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
155	Comparison between SuperDARN flow vectors and equivalent ionospheric currents from ground magnetometer arrays. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
154	A quantitative deconstruction of the morphology of high-latitude ionospheric convection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		9
153	Dynamics of the region 1 Birkeland current oval derived from the Active Magnetosphere and Planetary Electrodynamics Response Experiment (AMPERE). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		63
152	AXIOM: Advanced X-ray imaging of the magnetosheath. <i>Astronomische Nachrichten</i> , 2012 , 333, 388-392	0.7	1
151	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012 , 33, 403-443	1.3	21
150	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012 , 33, 445-489	1.3	8
149	Tracking corotating interaction regions from the Sun through to the orbit of Mars using ACE, MEX, VEX, and STEREO. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
148	A superposed epoch investigation of the relation between magnetospheric solar wind driving and substorm dynamics with geosynchronous particle injection signatures. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12

147	Geomagnetic storms over the last solar cycle: A superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		37
146	Bifurcations of the main auroral ring at Saturn: ionospheric signatures of consecutive reconnection events at the magnetopause. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		69
145	Dynamic subauroral ionospheric electric fields observed by the Falkland Islands radar during the course of a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
144	Global-scale observations of ionospheric convection during geomagnetic storms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
143	Magnetic fields in a flap!. <i>Astronomy and Geophysics</i> , 2011 , 52, 4.17-4.19	0.2	
142	A new way to study geomagnetic storms. <i>Astronomy and Geophysics</i> , 2011 , 52, 4.20-4.23	0.2	3
141	Winds and tides in the mid-latitude Southern Hemisphere upper mesosphere recorded with the Falkland Islands SuperDARN radar. <i>Annales Geophysicae</i> , 2011 , 29, 1985-1996	2	16
140	Magnetotails throughout the solar system. <i>Astronomy and Geophysics</i> , 2010 , 51, 6.28-6.30	0.2	
139	Average auroral configuration parameterized by geomagnetic activity and solar wind conditions. <i>Annales Geophysicae</i> , 2010 , 28, 1003-1012	2	21
138	Comparison of the open-closed field line boundary location inferred using IMAGE-FUV S112 images and EISCAT radar observations. <i>Annales Geophysicae</i> , 2010 , 28, 883-892	2	18
137	Effects of a solar wind dynamic pressure increase in the magnetosphere and in the ionosphere. <i>Annales Geophysicae</i> , 2010 , 28, 1945-1959	2	9
136	Pumping out the atmosphere of Mars through solar wind pressure pulses. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	78
135	A statistical study of the spatial distribution of Co-operative UK Twin Located Auroral Sounding System (CUTLASS) backscatter power during EISCAT heater beam-sweeping experiments. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		1
134	Comparison of the open-closed separatrix in a global magnetospheric simulation with observations: The role of the ring current. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		17
133	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		26
132	Plasma irregularities adjacent to auroral patches in the postmidnight sector. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		4
131	Asymmetry in the bipolar signatures of flux transfer events. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		8
130	A superposed epoch analysis of auroral evolution during substorms: Local time of onset region. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		24

129	Superposed epoch analysis of the ionospheric convection evolution during substorms: IMF BY dependence. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		32
128	Magnetospheric feedback in solar wind energy transfer. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		13
127	Combining incoherent scatter radar data and IRI-2007 to monitor the open-closed field line boundary during substorms. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		1
126	Mixed Azimuthal Scales of Flux Transfer Events. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010 , 389-398	0.3	11
125	Cusp observations during a sequence of fast IMF <l>>B<sub>Z</sub></l></l>. <i>Annales Geophysicae</i> , 2009 , 27, 2721-2737	2	5
124	Superposed epoch analysis of the ionospheric convection evolution during substorms: onset latitude dependence. <i>Annales Geophysicae</i> , 2009 , 27, 591-600	2	44
123	Both solar wind-magnetosphere coupling and ring current intensity control of the size of the auroral oval. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	46
122	Simultaneous observations of flux transfer events by THEMIS, Cluster, Double Star, and SuperDARN: Acceleration of FTEs. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		23
121	Magnetosonic Mach number dependence of the efficiency of reconnection between planetary and interplanetary magnetic fields. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		37
120	A statistical study of the open magnetic flux content of the magnetosphere at the time of substorm onset. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	29
119	Polarization and phase of planetary-period magnetic field oscillations on high-latitude field lines in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		82
118	Statistical properties of flux closure induced by solar wind dynamic pressure fronts. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		12
117	Influences on the radius of the auroral oval. <i>Annales Geophysicae</i> , 2009 , 27, 2913-2924	2	65
116	Deriving solar transient characteristics from single spacecraft STEREO/HI elongation variations: a theoretical assessment of the technique. <i>Annales Geophysicae</i> , 2009 , 27, 4359-4368	2	23
115	A superposed epoch analysis of auroral evolution during substorm growth, onset and recovery: open magnetic flux control of substorm intensity. <i>Annales Geophysicae</i> , 2009 , 27, 659-668	2	60
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