

Stephen E Milan

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272
papers

6,602
citations

43
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63
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293
ext. papers

7,446
ext. citations

2.7
avg, IF

5.76
L-index

#	Paper	IF	Citations
272	A decade of the Super Dual Auroral Radar Network (SuperDARN): scientific achievements, new techniques and future directions. <i>Surveys in Geophysics</i> , 2007 , 28, 33-109	7.6	454
271	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. <i>Journal of Geophysical Research</i> , 2005 , 110,		138
270	Magnetic flux transport in the Dungey cycle: A survey of dayside and nightside reconnection rates. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		137
269	Variations in the polar cap area during two substorm cycles. <i>Annales Geophysicae</i> , 2003 , 21, 1121-1140	2	126
268	Interplanetary magnetic field at ~9 AU during the declining phase of the solar cycle and its implications for Saturn's magnetospheric dynamics. <i>Journal of Geophysical Research</i> , 2004 , 109,		103
267	Convection and auroral response to a southward turning of the IMF: Polar UVI, CUTLASS, and IMAGE signatures of transient magnetic flux transfer at the magnetopause. <i>Journal of Geophysical Research</i> , 2000 , 105, 15741-15755		103
266	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
265	Open flux estimates in Saturn's magnetosphere during the January 2004 Cassini-HST campaign, and implications for reconnection rates. <i>Journal of Geophysical Research</i> , 2005 , 110,		86
264	Initial backscatter occurrence statistics from the CUTLASS HF radars. <i>Annales Geophysicae</i> , 1997 , 15, 703-718		84
263	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
262	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
261	Dayside convection and auroral morphology during an interval of northward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2000 , 18, 436-444	2	71
260	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
259	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
258	Formation and motion of a transpolar arc in response to dayside and nightside reconnection. <i>Journal of Geophysical Research</i> , 2005 , 110,		66
257	Influences on the radius of the auroral oval. <i>Annales Geophysicae</i> , 2009 , 27, 2913-2924	2	65
256	Overview of Solar Wind-Magnetosphere-Ionosphere-Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017 , 206, 547-573	7.5	64

255	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
254	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
253	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
252	Response of the magnetotail to changes in the open flux content of the magnetosphere. <i>Journal of Geophysical Research</i> , 2004 , 109,		62
251	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
250	Stereo CUTLASS - A new capability for the SuperDARN HF radars. <i>Annales Geophysicae</i> , 2004 , 22, 459-473		59
249	Dayside and nightside reconnection rates inferred from IMAGE FUV and Super Dual Auroral Radar Network data. <i>Journal of Geophysical Research</i> , 2006 , 111,		57
248	Generation region of pulsating aurora obtained simultaneously by the FAST satellite and a Syowa-Iceland conjugate pair of observatories. <i>Journal of Geophysical Research</i> , 2004 , 109,		56
247	The azimuthal extent of three flux transfer events. <i>Annales Geophysicae</i> , 2008 , 26, 2353-2369	2	55
246	First simultaneous observations of flux transfer events at the high-latitude magnetopause by the Cluster spacecraft and pulsed radar signatures in the conjugate ionosphere by the CUTLASS and EISCAT radars. <i>Annales Geophysicae</i> , 2001 , 19, 1491-1508	2	55
245	Meridian-scanning photometer, coherent HF radar, and magnetometer observations of the cusp: a case study. <i>Annales Geophysicae</i> , 1999 , 17, 159-172	2	54
244	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
243	North-South Asymmetries in Earth's Magnetic Field. <i>Space Science Reviews</i> , 2017 , 206, 225-257	7.5	52
242	Response of the expanding/contracting polar cap to weak and strong solar wind driving: Implications for substorm onset. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		52
241	HF radar polar patch formation revisited: summer and winter variations in dayside plasma structuring. <i>Annales Geophysicae</i> , 2002 , 20, 487-499	2	52
240	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
239	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
238	Interferometric evidence for the observation of ground backscatter originating behind the CUTLASS coherent HF radars. <i>Annales Geophysicae</i> , 1997 , 15, 29-39	2	50

237	CUTLASS Finland radar observations of the ionospheric signatures of flux transfer events and the resulting plasma flows. <i>Annales Geophysicae</i> , 1998 , 16, 1411-1422	2	48
236	Interplanetary magnetic field control of Saturn's polar cusp aurora. <i>Annales Geophysicae</i> , 2005 , 23, 1405-1431		48
235	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
234	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
233	Multi-instrument mapping of the small-scale flow dynamics related to a cusp auroral transient. <i>Annales Geophysicae</i> , 2005 , 23, 2657-2670	2	46
232	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
231	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
230	Superposed epoch analysis of the ionospheric convection evolution during substorms: onset latitude dependence. <i>Annales Geophysicae</i> , 2009 , 27, 591-600	2	44
229	Statistical study of high-latitude plasma flow during magnetospheric substorms. <i>Annales Geophysicae</i> , 2004 , 22, 3607-3624	2	43
228	The auroral and ionospheric flow signatures of dual lobe reconnection. <i>Annales Geophysicae</i> , 2006 , 24, 3115-3129	2	42
227	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005 , 23, 2867-2875	2	42
226	Comment on "Jupiter: A fundamentally different magnetospheric interaction with the solar wind" by D. J. McComas and F. Bagenal. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	41
225	On the use of IMAGE FUV for estimating the latitude of the open/closed magnetic field line boundary in the ionosphere. <i>Annales Geophysicae</i> , 2008 , 26, 2759-2769	2	39
224	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
223	Geomagnetic storms over the last solar cycle: A superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		37
222	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
221	A survey of magnetopause FTEs and associated flow bursts in the polar ionosphere. <i>Annales Geophysicae</i> , 2000 , 18, 416-435	2	37
220	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

219	Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere. <i>Science</i> , 2014 , 346, 1506-10	33.3	36
218	Simultaneous observations of the cusp in optical, DMSP and HF radar data. <i>Geophysical Research Letters</i> , 1997 , 24, 2251-2254	4.9	36
217	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007 , 25, 1669-1690	2	36
216	On the generation of cusp HF backscatter irregularities. <i>Journal of Geophysical Research</i> , 2002 , 107, SIA 3-1		36
215	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
214	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
213	Interhemispheric observations of the ionospheric signature of tail reconnection during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2005 , 23, 1763-1770	2	35
212	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2715-2726	2.6	34
211	Observed tail current systems associated with bursty bulk flows and auroral streamers during a period of multiple substorms. <i>Annales Geophysicae</i> , 2008 , 26, 167-184	2	33
210	Compression of the Earth's magnetotail by interplanetary shocks directly drives transient magnetic flux closure. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	33
209	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
208	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
207	Dayside and nightside contributions to the cross polar cap potential: placing an upper limit on a viscous-like interaction. <i>Annales Geophysicae</i> , 2004 , 22, 3771-3777	2	32
206	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
205	Coordinated interhemispheric SuperDARN radar observations of the ionospheric response to flux transfer events observed by the Cluster spacecraft at the high-latitude magnetopause. <i>Annales Geophysicae</i> , 2003 , 21, 1807-1826	2	30
204	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
203	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007 , 25, 1709-1720	2	29
202	A classification of spectral populations observed in HF radar backscatter from the E region auroral electrojets. <i>Annales Geophysicae</i> , 2001 , 19, 189-204	2	29

201	Ionospheric flows relating to transpolar arc formation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		28
200	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013 , 31, 817-833	2	28
199	Cusp ion steps, field-aligned currents and poleward moving auroral forms. <i>Journal of Geophysical Research</i> , 2001 , 106, 29555-29569		28
198	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
197	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
196	A Review of Birkeland Current Research Using AMPERE. <i>Geophysical Monograph Series</i> , 2018 , 257-278	1.1	27
195	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
194	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
193	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , 2015 , 42, 7248-7254	4.9	26
192	Are steady magnetospheric convection events prolonged substorms?. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1751-1758	2.6	26
191	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
190	On the factors controlling occurrence of F-region coherent echoes. <i>Annales Geophysicae</i> , 2002 , 20, 1385-1397		26
189	Interplanetary magnetic field control of fast azimuthal flows in the nightside high-latitude ionosphere. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	25
188	Magnetospheric response and reconfiguration times following IMF By reversals. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 417-431	2.6	24
187	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
186	A comparison of velocity measurements from the CUTLASS Finland radar and the EISCAT UHF system. <i>Annales Geophysicae</i> , 1999 , 17, 892-902	2	24
185	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
184	Remote sensing of the spatial and temporal structure of magnetopause and magnetotail reconnection from the ionosphere. <i>Reviews of Geophysics</i> , 2008 , 46,	23.1	23

183	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
182	ESR and EISCAT observations of the response of the cusp and cleft to IMF orientation changes. <i>Annales Geophysicae</i> , 2000 , 18, 1009-1026	2	23
181	Coherent HF radar backscatter characteristics associated with auroral forms identified by incoherent radar techniques: A comparison of CUTLASS and EISCAT observations. <i>Journal of Geophysical Research</i> , 1999 , 104, 22591-22604		23
180	Multi-instrumentation observations of a transpolar arc in the northern hemisphere. <i>Annales Geophysicae</i> , 2008 , 26, 201-210	2	22
179	Implications of rapid planetary rotation for the Dungey magnetotail of Saturn. <i>Journal of Geophysical Research</i> , 2005 , 110,		22
178	Auroral forms and the field-aligned current structure associated with field line resonances. <i>Journal of Geophysical Research</i> , 2001 , 106, 25825-25833		22
177	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
176	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012 , 33, 403-443	1.3	21
175	Average auroral configuration parameterized by geomagnetic activity and solar wind conditions. <i>Annales Geophysicae</i> , 2010 , 28, 1003-1012	2	21
174	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	21
173	A simple model of the flux content of the distant magnetotail. <i>Journal of Geophysical Research</i> , 2004 , 109,		21
172	Multistage substorm expansion: Auroral dynamics in relation to plasma sheet particle injection, precipitation, and plasma convection. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 4-1		21
171	The dayside auroral zone as a hard target for coherent HF radars. <i>Geophysical Research Letters</i> , 1998 , 25, 3717-3720	4.9	21
170	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
169	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
168	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
167	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
166	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

165	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
164	Direct comparison of pulsating aurora observed simultaneously by the FAST satellite and from the ground at Syowa. <i>Geophysical Research Letters</i> , 2002 , 29, 37-1	4.9	20
163	Plasma structure within poleward-moving cusp/cleft auroral transients: EISCAT Svalbard radar observations and an explanation in terms of large local time extent of events. <i>Annales Geophysicae</i> , 2000 , 18, 1027-1042	2	20
162	The interaction between transpolar arcs and cusp spots. <i>Geophysical Research Letters</i> , 2015 , 42, 9685-9693	4.3	19
161	SuperDARN radar HF propagation and absorption response to the substorm expansion phase. <i>Annales Geophysicae</i> , 2002 , 20, 1631-1645	2	19
160	Interhemispheric asymmetries in the occurrence of magnetically conjugate sub-auroral polarisation streams. <i>Annales Geophysicae</i> , 2005 , 23, 1371-1390	2	19
159	Combined CUTLASS, EISCAT and ESR observations of ionospheric plasma flows at the onset of an isolated substorm. <i>Annales Geophysicae</i> , 2000 , 18, 1073-1087	2	19
158	ECLAT Cluster Spacecraft Magnetotail Plasma Region Identifications (2001-2009). <i>Dataset Papers in Science</i> , 2014 , 2014, 1-13		19
157	IMF control of cusp proton emission intensity and dayside convection: implications for component and anti-parallel reconnection. <i>Annales Geophysicae</i> , 2003 , 21, 955-982	2	19
156	Large flow shears around auroral beads at substorm onset. <i>Geophysical Research Letters</i> , 2013 , 40, 4987-4991	4.9	18
155	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
154	Comparison of the open-closed field line boundary location inferred using IMAGE-FUV SI12 images and EISCAT radar observations. <i>Annales Geophysicae</i> , 2010 , 28, 883-892	2	18
153	Observations of significant flux closure by dual lobe reconnection. <i>Annales Geophysicae</i> , 2007 , 25, 1617-1627	1.6	18
152	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
151	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
150	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
149	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
148	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

147	The location of the open-closed magnetic field line boundary in the dawn sector auroral ionosphere. <i>Annales Geophysicae</i> , 2004 , 22, 3625-3639	2	17
146	Ground-based observations of the auroral zone and polar cap ionospheric responses to dayside transient reconnection. <i>Annales Geophysicae</i> , 2002 , 20, 781-794	2	17
145	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. <i>Annales Geophysicae</i> , 2016 , 34, 943-959	2	17
144	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
143	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6107-6120	2.6	16
142	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
141	On the location of dayside magnetic reconnection during an interval of duskward oriented IMF. <i>Annales Geophysicae</i> , 2007 , 25, 219-238	2	16
140	Simultaneous in-situ observations of the signatures of dayside reconnection at the high- and low-latitude magnetopause. <i>Annales Geophysicae</i> , 2005 , 23, 445-460	2	16
139	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
138	Saturn's elusive nightside polar arc. <i>Geophysical Research Letters</i> , 2014 , 41, 6321-6328	4.9	15
137	HF radar observations of high-aspect angle backscatter from the E-region. <i>Annales Geophysicae</i> , 2004 , 22, 829-847	2	15
136	Post-noon two-minute period pulsating aurora and their relationship to the dayside convection pattern. <i>Annales Geophysicae</i> , 1999 , 17, 877-891	2	15
135	Substorm correlated absorption on a 3200 km trans-auroral HF propagation path. <i>Annales Geophysicae</i> , 1996 , 14, 182-190	2	15
134	Simultaneous observations of magnetopause flux transfer events and of their associated signatures at ionospheric altitudes. <i>Annales Geophysicae</i> , 2004 , 22, 2181-2199	2	15
133	Sun et LumiÈre: 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
132	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
131	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
130	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , 2020 , 216, 1	7.5	14

129	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
128	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
127	Thermospheric density perturbations in response to substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4441-4455	2.6	14
126	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
125	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
124	On the altitude dependence of the spectral characteristics of decametre-wavelength E region backscatter and the relationship with optical auroral forms. <i>Annales Geophysicae</i> , 2001 , 19, 205-217	2	14
123	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
122	Azimuthal velocity shear within an Earthward fast flow [Further evidence for magnetotail untwisting?]. <i>Annales Geophysicae</i> , 2015 , 33, 245-255	2	13
121	Dayside Aurora. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	13
120	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
119	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
118	Magnetospheric feedback in solar wind energy transfer. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		13
117	Open magnetic flux and magnetic flux closure during sawtooth events. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	13
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