

Stephen E Milan

List of Publications by Year in descending order

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278
papers

8,810
citations

46918

47
h-index

76769

74
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293
all docs

293
docs citations

293
times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.1	554
2	Variations in the polar cap area during two substorm cycles. <i>Annales Geophysicae</i> , 2003, 21, 1121-1140.	0.6	173
3	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.	3.3	165
4	Reconnection in a rotation-dominated magnetosphere and its relation to Saturn's auroral dynamics. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	151
5	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.	3.3	150
6	Initial backscatter occurrence statistics from the CUTLASS HF radars. <i>Annales Geophysicae</i> , 1997, 15, 703-718.	0.6	141
7	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, .	3.3	118
8	Interplanetary magnetic field at $\approx 1/49$ 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, .	3.3	114
9	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, .	1.1	114
10	Overview of Solar Windâ€“Magnetosphereâ€“Ionosphereâ€“Atmosphere Coupling and the Generation of Magnetospheric Currents. <i>Space Science Reviews</i> , 2017, 206, 547-573.	3.7	105
11	Dayside convection and auroral morphology during an interval of northward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2000, 18, 436-444.	0.6	94
12	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.	0.6	93
13	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, .	3.3	92
14	How the IMF B_y induces a B_z 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.	0.8	90
15	Pumping out the atmosphere of Mars through solar wind pressure pulses. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	88
16	Meridian-scanning photometer, coherent HF radar, and magnetometer observations of the cusp: a case study. <i>Annales Geophysicae</i> , 1999, 17, 159-172.	0.6	87
17	Interplanetary coronal mass ejection observed at STEREOâ€“A, Mars, comet 67P/Churyumovâ€“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.	0.8	87
18	Response of the magnetotail to changes in the open flux content of the magnetosphere. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	83

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19	Formation and motion of a transpolar arc in response to dayside and nightside reconnection. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	83
20	Polarization and phase of planetaryâ€period magnetic field oscillations on highâ€latitude field lines in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83
21	Influences on the radius of the auroral oval. <i>Annales Geophysicae</i> , 2009, 27, 2913-2924.	0.6	82
22	Northâ€South Asymmetries in Earthâ€™s Magnetic Field. <i>Space Science Reviews</i> , 2017, 206, 225-257.	3.7	81
23	Interferometric evidence for the observation of ground backscatter originating behind the CUTLASS coherent HF radars. <i>Annales Geophysicae</i> , 1997, 15, 29-39.	0.6	76
24	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.	0.8	76
25	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.	0.6	76
26	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, .	3.3	75
27	Stereo CUTLASS - A new capability for the SuperDARN HF radars. <i>Annales Geophysicae</i> , 2004, 22, 459-473.	0.6	74
28	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, .	3.3	74
29	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.	0.6	72
30	Dayside and nightside reconnection rates inferred from IMAGE FUV and Super Dual Auroral Radar Network data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	71
31	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.	3.3	69
32	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, .	3.3	67
33	The IMF dependence of the local time of transpolar arcs: Implications for formation mechanism. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	67
34	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015, 33, 1369-1402.	0.6	66
35	Simultaneous observations of the cusp in optical, DMSP and HF radar data. <i>Geophysical Research Letters</i> , 1997, 24, 2251-2254.	1.5	60
36	The azimuthal extent of three flux transfer events. <i>Annales Geophysicae</i> , 2008, 26, 2353-2369.	0.6	60

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37	Both solar wind–magnetosphere coupling and ring current intensity control of the size of the auroral oval. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	60
38	The auroral and ionospheric flow signatures of dual lobe reconnection. <i>Annales Geophysicae</i> , 2006, 24, 3115-3129.	0.6	59
39	A survey of magnetopause FTEs and associated flow bursts in the polar ionosphere. <i>Annales Geophysicae</i> , 2000, 18, 416-435.	0.6	58
40	HF radar polar patch formation revisited: summer and winter variations in dayside plasma structuring. <i>Annales Geophysicae</i> , 2002, 20, 487-499.	0.6	58
41	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.	0.8	56
42	Multi-instrument mapping of the small-scale flow dynamics related to a cusp auroral transient. <i>Annales Geophysicae</i> , 2005, 23, 2657-2670.	0.6	54
43	Geomagnetic storms over the last solar cycle: A superposed epoch analysis. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	54
44	Stellar wind–magnetosphere interaction at exoplanets: computations of auroral radio powers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2353-2366.	1.6	54
45	Statistical study of high-latitude plasma flow during magnetospheric substorms. <i>Annales Geophysicae</i> , 2004, 22, 3607-3624.	0.6	53
46	Superposed epoch analysis of the ionospheric convection evolution during substorms: onset latitude dependence. <i>Annales Geophysicae</i> , 2009, 27, 591-600.	0.6	52
47	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.	0.8	52
48	Interplanetary magnetic field control of Saturn's polar cusp aurora. <i>Annales Geophysicae</i> , 2005, 23, 1405-1431.	0.6	51
49	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.	0.8	48
50	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.	0.6	48
51	Coordinated Cluster/Double Star observations of dayside reconnection signatures. <i>Annales Geophysicae</i> , 2005, 23, 2867-2875.	0.6	47
52	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, .	1.5	46
53	Direct observation of closed magnetic flux trapped in the high-latitude magnetosphere. <i>Science</i> , 2014, 346, 1506-1510.	6.0	46
54	On the generation of cusp HF backscatter irregularities. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 3-1.	3.3	45

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55	Interhemispheric observations of the ionospheric signature of tail reconnection during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2005, 23, 1763-1770.	0.6	45
56	Average field-aligned current configuration parameterized by solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1294-1307.	0.8	45
57	Motion of flux transfer events: a test of the Cooling model. <i>Annales Geophysicae</i> , 2007, 25, 1669-1690.	0.6	44
58	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.	0.8	44
59	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.	3.3	42
60	A classification of spectral populations observed in HF radar backscatter from the E region auroral electrojets. <i>Annales Geophysicae</i> , 2001, 19, 189-204.	0.6	42
61	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014, 182, 85-154.	3.7	41
62	The dayside auroral zone as a hard target for coherent HF radars. <i>Geophysical Research Letters</i> , 1998, 25, 3717-3720.	1.5	40
63	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.	0.6	40
64	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.	1.5	40
65	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.	0.8	40
66	A comparison of velocity measurements from the CUTLASS Finland radar and the EISCAT UHF system. <i>Annales Geophysicae</i> , 1999, 17, 892-902.	0.6	39
67	Magnetosonic Mach number dependence of the efficiency of reconnection between planetary and interplanetary magnetic fields. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	39
68	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.	0.6	39
69	ESR and EISCAT observations of the response of the cusp and cleft to IMF orientation changes. <i>Annales Geophysicae</i> , 2000, 18, 1009-1026.	0.6	38
70	Superposed epoch analysis of the ionospheric convection evolution during substorms: IMF B_y dependence. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	38
71	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.	0.8	38
72	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, .	1.5	37

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73	Modeling Birkeland currents in the expanding/contracting polar cap paradigm. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5532-5542.	0.8	37
74	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.	0.8	37
75	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2715-2726.	0.8	37
76	Multi-scale observations of magnetotail flux transport during IMF-northward non-substorm intervals. <i>Annales Geophysicae</i> , 2007, 25, 1709-1720.	0.6	36
77	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	36
78	Interplanetary magnetic field control of fast azimuthal flows in the nightside high-latitude ionosphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	35
79	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.	0.6	35
80	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.	0.8	35
81	Magnetospheric response and reconfiguration times following IMF B_y reversals. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 417-431.	0.8	35
82	Timescales for the penetration of IMF B_z into the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 579-593.	0.8	35
83	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.	0.6	34
84	Cusp ion steps, field-aligned currents and poleward moving auroral forms. <i>Journal of Geophysical Research</i> , 2001, 106, 29555-29569.	3.3	34
85	On the factors controlling occurrence of F-region coherent echoes. <i>Annales Geophysicae</i> , 2002, 20, 1385-1397.	0.6	34
86	Remote sensing of the spatial and temporal structure of magnetopause and magnetotail reconnection from the ionosphere. <i>Reviews of Geophysics</i> , 2008, 46, .	9.0	34
87	In situ observations of the effect of a solar wind compression on Saturn's magnetotail. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	33
88	Aurora in the Polar Cap: A Review. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	33
89	Comparative magnetotail flapping: an overview of selected events at Earth, Jupiter and Saturn. <i>Annales Geophysicae</i> , 2013, 31, 817-833.	0.6	32
90	Are steady magnetospheric convection events prolonged substorms?. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1751-1758.	0.8	32

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91	A case study of HF radar spectra and 630.0 nm auroral emission in the pre-midnight sector. <i>Annales Geophysicae</i> , 2001, 19, 327-339.	0.6	31
92	Ionospheric flows relating to transpolar arc formation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	31
93	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.	0.6	31
94	A simple model of the flux content of the distant magnetotail. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	30
95	A superposed epoch analysis of auroral evolution during substorms: Local time of onset region. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
96	AXIOM: advanced X-ray imaging of the magnetosphere. <i>Experimental Astronomy</i> , 2012, 33, 403-443.	1.6	30
97	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. <i>Annales Geophysicae</i> , 2016, 34, 943-959.	0.6	30
98	Auroral forms and the field-aligned current structure associated with field line resonances. <i>Journal of Geophysical Research</i> , 2001, 106, 25825-25833.	3.3	29
99	Intensity asymmetries in the dusk sector of the poleward auroral oval due to IMF B_x . <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9497-9507.	0.8	29
100	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , 2015, 42, 7248-7254.	1.5	29
101	Dayside Aurora. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	29
102	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.	0.8	28
103	The statistical difference between bending arcs and regular polar arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,443.	0.8	28
104	How Much Flux Does a Flux Transfer Event Transfer?. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,310.	0.8	28
105	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.	0.6	27
106	Simultaneous observations of flux transfer events by THEMIS, Cluster, Double Star, and SuperDARN: Acceleration of FTEs. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	27
107	How the IMF B_y Induces a Local B_y Component During Northward IMF B_z and Characteristic Timescales. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3333-3348.	0.8	27
108	Origin of the Extended Mars Radar Blackout of September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4556-4568.	0.8	27

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109	Ground-based observations of the auroral zone and polar cap ionospheric responses to dayside transient reconnection. <i>Annales Geophysicae</i> , 2002, 20, 781-794.	0.6	27
110	Substorm correlated absorption on a 3200 km trans-auroral HF propagation path. <i>Annales Geophysicae</i> , 1996, 14, 182-190.	0.6	26
111	Interhemispheric asymmetries in the occurrence of magnetically conjugate sub-auroral polarisation streams. <i>Annales Geophysicae</i> , 2005, 23, 1371-1390.	0.6	26
112	Seasonal and clock angle control of the location of flux transfer event signatures at the magnetopause. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
113	Do Statistical Models Capture the Dynamics of the Magnetopause During Sudden Magnetospheric Compressions?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027289.	0.8	26
114	Magnetospheric Flux Throughput in the Dungey Cycle: Identification of Convection State During 2010. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028437.	0.8	26
115	SuperDARN radar HF propagation and absorption response to the substorm expansion phase. <i>Annales Geophysicae</i> , 2002, 20, 1631-1645.	0.6	25
116	Multi-instrumentation observations of a transpolar arc in the northern hemisphere. <i>Annales Geophysicae</i> , 2008, 26, 201-210.	0.6	25
117	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.	0.6	25
118	Comparison between SuperDARN flow vectors and equivalent ionospheric currents from ground magnetometer arrays. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
119	The interaction between transpolar arcs and cusp spots. <i>Geophysical Research Letters</i> , 2015, 42, 9685-9693.	1.5	25
120	The location of the open-closed magnetic field line boundary in the dawn sector auroral ionosphere. <i>Annales Geophysicae</i> , 2004, 22, 3625-3639.	0.6	24
121	Implications of rapid planetary rotation for the Dungey magnetotail of Saturn. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
122	On the formation of the high-altitude stagnant cusp: Cluster observations. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	24
123	Observations of significant flux closure by dual lobe reconnection. <i>Annales Geophysicae</i> , 2007, 25, 1617-1627.	0.6	24
124	Dynamic effects of restoring footpoint symmetry on closed magnetic field lines. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3963-3977.	0.8	24
125	Mars plasma system response to solar wind disturbances during solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6611-6634.	0.8	24
126	Simultaneous observations at different altitudes of ionospheric backscatter in the eastward electrojet. <i>Annales Geophysicae</i> , 1998, 16, 55-68.	0.6	23

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127	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.	3.3	23
128	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.	1.5	23
129	Average auroral configuration parameterized by geomagnetic activity and solar wind conditions. <i>Annales Geophysicae</i> , 2010, 28, 1003-1012.	0.6	23
130	ECLAT Cluster Spacecraft Magnetotail Plasma Region Identifications (2001–2009). <i>Dataset Papers in Science</i> , 2014, 2014, 1-13.	1.0	23
131	Determining the axial direction of high-shear flux transfer events: Implications for models of FTE structure. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
132	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.	0.8	22
133	Dayside reconnection under interplanetary magnetic field B_y -dominated conditions: The formation and movement of bending arcs. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2967-2978.	0.8	22
134	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.	0.6	22
135	Post-noon two-minute period pulsating aurora and their relationship to the dayside convection pattern. <i>Annales Geophysicae</i> , 1999, 17, 877-891.	0.6	21
136	Large flow shears around auroral beads at substorm onset. <i>Geophysical Research Letters</i> , 2013, 40, 4987-4991.	1.5	21
137	What controls the local time extent of flux transfer events?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1391-1401.	0.8	21
138	Dual-Lobe Reconnection and Horse-collar Auroras. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028567.	0.8	21
139	An Explicit IMF B Dependence on Solar Wind-Magnetosphere Coupling. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086062.	1.5	21
140	HF radar observations of high-aspect angle backscatter from the E-region. <i>Annales Geophysicae</i> , 2004, 22, 829-847.	0.6	20
141	On the location of dayside magnetic reconnection during an interval of duskward oriented IMF. <i>Annales Geophysicae</i> , 2007, 25, 219-238.	0.6	20
142	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.	0.6	20
143	The Association of High-latitude Dayside Aurora With NBZ Field-aligned Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3637-3645.	0.8	20
144	Velocities of auroral coherent echoes at 12 and 144 MHz. <i>Annales Geophysicae</i> , 2002, 20, 1647-1661.	0.6	19

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145	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, .	3.3	19
146	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.	0.8	19
147	Transpolar arcs observed simultaneously in both hemispheres. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6107-6120.	0.8	19
148	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.	0.8	19
149	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.	0.8	19
150	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	19
151	Simultaneous observations of magnetopause flux transfer events and of their associated signatures at ionospheric altitudes. <i>Annales Geophysicae</i> , 2004, 22, 2181-2199.	0.6	19
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