

# Mervyn Freeman

## List of Publications by Year in descending order

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143  
papers

5,042  
citations

109311

35  
h-index

106340

65  
g-index

155  
all docs

155  
docs citations

155  
times ranked

3347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting LÃ©vy flight search patterns of wandering albatrosses, bumblebees and deer. <i>Nature</i> , 2007, 449, 1044-1048.	27.8	736
2	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.	4.6	554
3	A study of an expanding interplanetary magnetic cloud and its interaction with the Earth's magnetosphere: The interplanetary aspect. <i>Journal of Geophysical Research</i> , 1993, 98, 7621-7632.	3.3	189
4	The excitation of plasma convection in the high-latitude ionosphere. <i>Journal of Geophysical Research</i> , 1990, 95, 7961-7972.	3.3	176
5	Pressure-driven magnetopause motions and attendant response on the ground. <i>Planetary and Space Science</i> , 1989, 37, 589-607.	1.7	127
6	The Earth's magnetosphere under continued forcing: Substorm activity during the passage of an interplanetary magnetic cloud. <i>Journal of Geophysical Research</i> , 1993, 98, 7657-7671.	3.3	108
7	Evidence for a solar wind origin of the power law burst lifetime distribution of the AE indices. <i>Geophysical Research Letters</i> , 2000, 27, 1087-1090.	4.0	83
8	The interaction of a magnetic cloud with the Earth: Ionospheric convection in the northern and southern hemispheres for a wide range of quasi-steady interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 1993, 98, 7633-7655.	3.3	82
9	A new technique for determining Substorm Onsets and Phases from Indices of the Electrojet (SOPHIE). <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,592.	2.4	78
10	Saturn's dynamic magnetotail: A comprehensive magnetic field and plasma survey of plasmoids and traveling compression regions and their role in global magnetospheric dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5465-5494.	2.4	69
11	Dayside ionospheric convection changes in response to long-period interplanetary Magnetic field oscillations: Determination of the ionospheric phase velocity. <i>Journal of Geophysical Research</i> , 1992, 97, 19373-19380.	3.3	64
12	A minimal substorm model that explains the observed statistical distribution of times between substorms. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	64
13	On the association between northward turnings of the interplanetary magnetic field and substorm onsets. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	63
14	On the character and distribution of lower-frequency radio emissions at Saturn and their relationship to substorm-like events. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	57
15	The effect of magnetospheric erosion on mid- and high-latitude ionospheric flows. <i>Planetary and Space Science</i> , 1988, 36, 509-522.	1.7	53
16	Power law distributions of burst duration and interburst interval in the solar wind: Turbulence or dissipative self-organized criticality?. <i>Physical Review E</i> , 2000, 62, 8794-8797.	2.1	51
17	A comparison of midlatitude Pi 2 pulsations and geostationary orbit particle injections as substorm indicators. <i>Journal of Geophysical Research</i> , 1994, 99, 4085.	3.3	49
18	Measuring the dayside reconnection rate during an interval of due northward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2004, 22, 4243-4258.	1.6	49

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19	On the use of IMAGE FLIV for estimating the latitude of the open/closed magnetic field line boundary in the ionosphere. <i>Annales Geophysicae</i> , 2008, 26, 2759-2769.	1.6	48
20	Ion-acoustic resistivity in plasmas with similar ion and electron temperatures. <i>Geophysical Research Letters</i> , 2002, 29, 4-1.	4.0	46
21	Incorrect Likelihood Methods Were Used to Infer Scaling Laws of Marine Predator Search Behaviour. <i>PLoS ONE</i> , 2012, 7, e45174.	2.5	44
22	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.	2.4	44
23	Towards Synthesis of Solar Wind and Geomagnetic Scaling Exponents: A Fractional Lévy Motion Model. <i>Space Science Reviews</i> , 2005, 121, 271-284.	8.1	43
24	The determination of time-stationary two-dimensional convection patterns with single-station radars. <i>Journal of Geophysical Research</i> , 1991, 96, 15735-15749.	3.3	42
25	A technique for accurately determining the cusp-region polar cap boundary using SuperDARN HF radar measurements. <i>Annales Geophysicae</i> , 2003, 21, 983-996.	1.6	42
26	No evidence for externally triggered substorms based on superposed epoch analysis of IMF $\langle B_z \rangle$ . <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	42
27	Post midnight VLF chorus events, a substorm signature observed at the ground near $L=4$ . <i>Journal of Geophysical Research</i> , 1996, 101, 24641-24653.	3.3	41
28	Large-Scale Structure and Dynamics of the Magnetotails of Mercury, Earth, Jupiter and Saturn. <i>Space Science Reviews</i> , 2014, 182, 85-154.	8.1	41
29	A statistical comparison of SuperDARN spectral width boundaries and DMSP particle precipitation boundaries in the morning sector ionosphere. <i>Annales Geophysicae</i> , 2005, 23, 733-743.	1.6	40
30	What effect do substorms have on the content of the radiation belts?. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6292-6306.	2.4	40
31	A New Code for Electrostatic Simulation by Numerical Integration of the Vlasov and Ampère Equations Using MacCormack's Method. <i>Journal of Computational Physics</i> , 2001, 171, 182-200.	3.8	39
32	Geoeffectiveness of three Wind magnetic clouds: A comparative study. <i>Journal of Geophysical Research</i> , 1998, 103, 17261-17278.	3.3	38
33	Anomalous resistivity in non-Maxwellian plasmas. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	37
34	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, .	4.0	37
35	The interplanetary magnetic field influences mid-latitude surface atmospheric pressure. <i>Environmental Research Letters</i> , 2013, 8, 045001.	5.2	37
36	A spatiotemporal analysis of U.S. station temperature trends over the last century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7427-7434.	3.3	37

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37	The location and rate of dayside reconnection during an interval of southward interplanetary magnetic field. <i>Annales Geophysicae</i> , 2003, 21, 1467-1482.	1.6	37
38	Radar observations of auroral zone flows during a multiple-onset substorm. <i>Annales Geophysicae</i> , 1995, 13, 1144-1163.	1.6	36
39	Nonlinear Dependence of Anomalous Ion-Acoustic Resistivity on Electron Drift Velocity. <i>Astrophysical Journal</i> , 2008, 686, 686-693.	4.5	35
40	The Influence of Substorms on Extreme Rates of Change of the Surface Horizontal Magnetic Field in the United Kingdom. <i>Space Weather</i> , 2019, 17, 827-844.	3.7	35
41	Remote sensing of the spatial and temporal structure of magnetopause and magnetotail reconnection from the ionosphere. <i>Reviews of Geophysics</i> , 2008, 46, .	23.0	34
42	Estimating the location of the open-closed magnetic field line boundary from auroral images. <i>Annales Geophysicae</i> , 2010, 28, 1659-1678.	1.6	34
43	Anomalous resistivity and the nonlinear evolution of the ion-acoustic instability. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	33
44	A reassessment of SuperDARN meteor echoes from the upper mesosphere and lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 102, 207-221.	1.6	33
45	The electric field response to the growth phase and expansion phase onset of a small isolated substorm. <i>Annales Geophysicae</i> , 1997, 15, 289-299.	1.6	31
46	Solar wind-driven geopotential height anomalies originate in the Antarctic lower troposphere. <i>Geophysical Research Letters</i> , 2014, 41, 6509-6514.	4.0	31
47	An ionospheric convection signature of antiparallel reconnection. <i>Journal of Geophysical Research</i> , 2001, 106, 28995-29007.	3.3	30
48	Scaling in long term data sets of geomagnetic indices and solar wind $\dot{\mu}$ as seen by WIND spacecraft. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	30
49	Application of computational mechanics to the analysis of natural data: An example in geomagnetism. <i>Physical Review E</i> , 2003, 67, 016203.	2.1	30
50	Substorm-associated radar auroral surges. <i>Journal of Geophysical Research</i> , 1992, 97, 12173-12185.	3.3	29
51	Scaling of solar wind $\dot{\mu}$ and the AU, AL and AE indices as seen by WIND. <i>Geophysical Research Letters</i> , 2002, 29, 35-1-35-4.	4.0	29
52	An examination of inter-hemispheric conjugacy in a subauroral polarization stream. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	29
53	The nightside ionospheric response to IMF by changes. <i>Geophysical Research Letters</i> , 1998, 25, 2601-2604.	4.0	28
54	The response of dayside ionospheric convection to the Y-component of the magnetosheath magnetic field: A case study. <i>Planetary and Space Science</i> , 1990, 38, 13-41.	1.7	27

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55	Testing the SOC hypothesis for the magnetosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2001, 63, 1435-1445.	1.6	27
56	Spatial structure of ionospheric convection velocities in regions of open and closed magnetic field topology. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	25
57	A linear perturbation analysis of magnetopause motion in the Newton-Busemann limit. <i>Annales Geophysicae</i> , 1995, 13, 907-918.	1.6	24
58	A statistical comparison of SuperDARN spectral width boundaries and DMSP particle precipitation boundaries in the nightside ionosphere. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	24
59	Spatial distribution of average vorticity in the high-latitude ionosphere and its variation with interplanetary magnetic field direction and season. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
60	The relationship of HF radar backscatter to the accumulation of open magnetic flux prior to substorm onset. <i>Journal of Geophysical Research</i> , 1998, 103, 26613-26619.	3.3	23
61	Cluster observations of broadband electromagnetic waves in and around a reconnection region in the Earth's magnetotail current sheet. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	23
62	Probing the high latitude ionosphere from ground-based observations: The state of current knowledge and capabilities during IPY (2007-2009). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 2293-2308.	1.6	23
63	Recent ionospheric observations relating to solar-wind-magnetosphere coupling. <i>Philosophical Transactions of the Royal Society A</i> , 1989, 328, 93-105.	1.1	22
64	A unified model of the response of ionospheric convection to changes in the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2003, 108, SMP 14-1.	3.3	22
65	Increases in plasma sheet temperature with solar wind driving during substorm growth phases. <i>Geophysical Research Letters</i> , 2014, 41, 8713-8721.	4.0	22
66	Energization of the Ring Current by Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8131-8148.	2.4	22
67	An investigation of latitudinal transitions in the SuperDARN Doppler spectral width parameter at different magnetic local times. <i>Annales Geophysicae</i> , 2004, 22, 1187-1202.	1.6	21
68	Investigating turbulent structure of ionospheric plasma velocity using the Halley SuperDARN radar. <i>Nonlinear Processes in Geophysics</i> , 2007, 14, 799-809.	1.3	21
69	Solar wind input between substorm onsets during and after the October 18-20, 1995, magnetic cloud. <i>Journal of Geophysical Research</i> , 1999, 104, 22729-22744.	3.3	20
70	Recurrent substorm activity during the passage of a corotating interaction region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1073-1081.	1.6	19
71	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.	2.4	19
72	The Influence of Sudden Commencements on the Rate of Change of the Surface Horizontal Magnetic Field in the United Kingdom. <i>Space Weather</i> , 2019, 17, 1605-1617.	3.7	19

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73	On the relationship between the magnetic and VLF signatures of the substorm expansion phase. <i>Journal of Geophysical Research</i> , 1999, 104, 12351-12360.	3.3	18
74	The Heavens in a Pile of Sand. <i>Science</i> , 2002, 298, 979-980.	12.6	18
75	IMF clock angle control of multifractality in ionospheric velocity fluctuations. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	18
76	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.	1.6	18
77	Probabilistic Forecasts of Storm Sudden Commencements From Interplanetary Shocks Using Machine Learning. <i>Space Weather</i> , 2020, 18, e2020SW002603.	3.7	18
78	A statistical comparison of SuperDARN spectral width boundaries and DMSP particle precipitation boundaries in the afternoon sector ionosphere. <i>Annales Geophysicae</i> , 2005, 23, 3645-3654.	1.6	17
79	Rhythm and Randomness in Human Contact. , 2010, , .		17
80	Timescales of Birkeland Currents Driven by the IMF. <i>Geophysical Research Letters</i> , 2019, 46, 7893-7901.	4.0	17
81	The Development of a Space Climatology: 3. Models of the Evolution of Distributions of Space Weather Variables With Timescale. <i>Space Weather</i> , 2019, 17, 180-209.	3.7	17
82	Evidence for a solar wind origin of the power law burst lifetime distribution of the AE indices. <i>Geophysical Research Letters</i> , 2000, 27, 1087-1090.	4.0	17
83	A study of the relationship between interplanetary parameters and large displacements of the nightside polar cap boundary. <i>Journal of Geophysical Research</i> , 1990, 95, 21133-21145.	3.3	16
84	Ionospheric signatures of split reconnection X-lines during conditions of $IMFBz < 0$ and $ By  \sim \frac{1}{4}  Bz $ : Evidence for the antiparallel merging hypothesis. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 23-1.	3.3	16
85	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.	3.3	16
86	IMF-driven change to the Antarctic tropospheric temperature due to the global atmospheric electric circuit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 180, 148-152.	1.6	15
87	Interhemispheric Comparisons of Large Nighttime Magnetic Perturbation Events Relevant to GICs. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028128.	2.4	15
88	A very large scale flow burst observed by the SuperDARN radars. <i>Journal of Geophysical Research</i> , 1999, 104, 22469-22486.	3.3	14
89	Evidence for an extended reconnection line at the dayside magnetopause. <i>Earth, Planets and Space</i> , 2001, 53, 619-625.	2.5	14
90	A statistical analysis of ionospheric velocity and magnetic field power spectra at the time of pulsed ionospheric flows. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 29-1-SMP 29-12.	3.3	14

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91	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.	3.3	14
92	An Empirical Orthogonal Function Reanalysis of the Northern Polar External and Induced Magnetic Field During Solar Cycle 23. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 781-795.	2.4	14
93	Association of substorm chorus events with drift echoes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	13
94	Natural Complexity. <i>Science</i> , 2008, 320, 323-324.	12.6	13
95	Modeling the Geomagnetic Response to the September 2017 Space Weather Event Over Fennoscandia Using the Space Weather Modeling Framework: Studying the Impacts of Spatial Resolution. <i>Space Weather</i> , 2021, 19, e2020SW002683.	3.7	13
96	On the probability distributions of SuperDARN Doppler spectral width measurements inside and outside the cusp. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	12
97	Spatial Variation in the Responses of the Surface External and Induced Magnetic Field to the Solar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6195-6211.	2.4	12
98	The Development of a Space Climatology: 2. The Distribution of Power Input Into the Magnetosphere on a 3â€¢Hourly Timescale. <i>Space Weather</i> , 2019, 17, 157-179.	3.7	12
99	On the winding of auroral spirals: Interhemispheric observations and Hallinan's theory revisited. <i>Journal of Geophysical Research</i> , 2001, 106, 28913-28924.	3.3	11
100	The accuracy of using the spectral width boundary measured in off-meridional SuperDARN HF radar beams as a proxy for the open-closed field line boundary. <i>Annales Geophysicae</i> , 2005, 23, 2599-2604.	1.6	11
101	A highâ€¢resolution model of the external and induced magnetic field at the Earth's surface in the Northern Hemisphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2440-2454.	2.4	11
102	Tailward Propagation of Magnetic Energy Density Variations With Respect to Substorm Onset Times. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4741-4754.	2.4	11
103	How Well Can We Estimate Pedersen Conductance From the THEMIS Whiteâ€¢Light Allâ€¢Sky Cameras?. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2920-2934.	2.4	11
104	Geomagnetically induced currents during the 07â€¢08 September 2017 disturbed period: a global perspective. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 33.	3.3	11
105	The Impact of Sudden Commencements on Ground Magnetic Field Variability: Immediate and Delayed Consequences. <i>Space Weather</i> , 2021, 19, e2021SW002764.	3.7	11
106	EISCAT observations of unusual flows in the morning sector associated with weak substorm activity. <i>Annales Geophysicae</i> , 1994, 12, 541-553.	1.6	10
107	A comparison of the probability distribution of observed substorm magnitude with that predicted by a minimal substorm model. <i>Annales Geophysicae</i> , 2007, 25, 2427-2437.	1.6	10
108	Interplanetary Shockâ€¢Induced Magnetopause Motion: Comparison Between Theory and Global Magnetohydrodynamic Simulations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092554.	4.0	10

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109	Measurement of field-aligned currents by the SABRE coherent scatter radar. Geophysical Monograph Series, 1990, , 575-580.	0.1	9
110	A statistical study of the possible effects of solar wind variability on the recurrence rate of substorms. Journal of Geophysical Research, 1995, 100, 23607.	3.3	9
111	VLF, magnetic bay, and Pi2 substorm signatures at auroral and midlatitude ground stations. Journal of Geophysical Research, 2002, 107, SMP 14-1-SMP 14-14.	3.3	9
112	On the non-Gaussian nature of ionospheric vorticity. Geophysical Research Letters, 2010, 37, .	4.0	9
113	Multipoint observations of planar interplanetary magnetic field structures. Journal of Atmospheric and Solar-Terrestrial Physics, 1991, 53, 1039-1047.	0.9	8
114	What can we infer about the underlying physics from burst distributions observed in an RMHD simulation?. Planetary and Space Science, 2001, 49, 1233-1237.	1.7	8
115	AMBIGUITIES IN DETERMINATION OF SELF-AFFINITY IN THE AE-INDEX TIME SERIES. Fractals, 2001, 09, 471-479.	3.7	8
116	Large-scale geomagnetic effects of May 4, 1998. Advances in Space Research, 2003, 31, 1111-1116.	2.6	8
117	Substorm Ring Current Coupling: A Comparison of Isolated and Compound Substorms. Journal of Geophysical Research: Space Physics, 2019, 124, 6776-6791.	2.4	8
118	Pulsations observed during high-speed flow in the ionosphere. Journal of Geophysical Research, 1988, 93, 12883-12891.	3.3	7
119	Reply [to Comment on "The Earth's magnetosphere under continued forcing: Substorm activity during the passage of an interplanetary cloud" by C. J. Farrugia, M. P. Freeman, L. F. Burlaga, R. P. Lepping, and K. Takahashi]. Journal of Geophysical Research, 1994, 99, 14941.	3.3	7
120	Identifying the magnetotail lobes with Cluster magnetometer data. Journal of Geophysical Research: Space Physics, 2016, 121, 1436-1446.	2.4	6
121	Regional, seasonal, and inter-annual variations of Antarctic and sub-Antarctic temperature anomalies related to the Mansurov effect. Environmental Research Communications, 2019, 1, 111007.	2.3	6
122	Interplanetary Magnetic Field Control of Polar Ionospheric Equivalent Current System Modes. Space Weather, 2019, 17, 976.	3.7	6
123	Comment [on "Solar wind control of the magnetopause shape, location, and motion" by D. G. Sibeck, R. E. Lopez, and E. C. Roelof]. Journal of Geophysical Research, 1992, 97, 10875-10877.	3.3	5
124	The role of upstream ULF waves in the generation of quasi-periodic ELF-VLF emissions. Annales Geophysicae, 1995, 13, 1127-1133.	1.6	5
125	Effect of magnetopause leakage on the lifetime of magnetospheric cavity modes. Journal of Geophysical Research, 2000, 105, 5463-5470.	3.3	5
126	Fractal reconnection structures on the magnetopause. Geophysical Research Letters, 2005, 32, .	4.0	5



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127	Traveling ionospheric disturbances in the Weddell Sea Anomaly associated with geomagnetic activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6608-6617.	2.4	5
128	Magnetopause Motions in a Newton-Busemann Approach. , 1998, , 15-26.		5
129	The behavior of the electric field within the substorm current wedge. <i>Journal of Geophysical Research</i> , 1998, 103, 179-190.	3.3	4
130	Correction to "Scaling of solar wind $\beta$ and the AU, AL and AE indices as seen by WIND" by B. Hnat, S. C. Chapman, G. Rowlands, N. W. Watkins, and M. P. Freeman. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	4
131	A Statistical Model of Vorticity in the Polar Ionosphere and Implications for Extreme Values. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029307.	2.4	4
132	Distributions of Birkeland Current Density Observed by AMPERE are Heavy-tailed or Long-tailed. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	4
133	Power to the magnetosphere: May 4, 1998. <i>Advances in Space Research</i> , 2003, 31, 1117-1122.	2.6	3
134	Anti-parallel reconnection at the dayside magnetopause: Ionospheric signatures and implications for the low latitude boundary layer. <i>Geophysical Monograph Series</i> , 2003, , 311-318.	0.1	3
135	Magnetic local time variation and scaling of poleward auroral boundary dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,006.	2.4	3
136	The Correspondence Between Sudden Commencements and Geomagnetically Induced Currents: Insights From New Zealand. <i>Space Weather</i> , 2022, 20, .	3.7	3
137	Comment on "Location of the reconnection line for northward interplanetary magnetic field" by K. J. Trattner, S. A. Fuselier, and S. M. Petrinec. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	2
138	Reply to comment by S. M. Petrinec and S. A. Fuselier on "An ionospheric convection signature of antiparallel reconnection" <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	1
139	Data-Driven Basis Functions for SuperDARN Ionospheric Plasma Flow Characterization and Prediction. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029272.	2.4	1
140	Complexity in astropasmas. <i>Astronomy and Geophysics</i> , 2001, 42, 2.22-2.22.	0.2	0
141	RAS helps to reconnect scientists. <i>Astronomy and Geophysics</i> , 2003, 44, 3.33-3.34.	0.2	0
142	Investigating the turbulent structure of ionospheric plasma velocities on open and closed magnetic field lines. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
143	The Substorm Chorus Event: An ELF/VLF Wave Signature of Substorm Expansion Phase Onset. <i>Astrophysics and Space Science Library</i> , 1998, , 589-591.	2.7	0