Mark B Moldwin

List of Publications by Citations

166 papers	5,659 citations	40 h-index	70 g-index
196 ext. papers	6,255 ext. citations	3.7 avg, IF	5.4 L-index

#	Paper	IF	Citations
166	The Magnetospheric Multiscale Magnetometers. *Space Science Reviews*, **2016**, 199, 189-256	7.5	670
165	An empirical plasmasphere and trough density model: CRRES observations. *Journal of Geophysical Research*, **2001**, 106, 25631-25641		326
164	Geotail observations of magnetic flux ropes in the plasma sheet. *Journal of Geophysical Research*, **2003**, 108, SMP 10-1		237
163	Empirical plasmapause models from magnetic indices. *Geophysical Research Letters*, **2003**, 30,	4.9	229
162	A new model of the location of the plasmapause: CRRES results. *Journal of Geophysical Research*, **2002**, 107, SMP 2-1		194
161	Electron scattering by whistler-mode ELF hiss in plasmaspheric plumes. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		154
160	Magnetospheric plasma analyzer: Initial three-spacecraft observations from geosynchronous orbit. *Journal of Geophysical Research*, **1993**, 98, 13453-13465		139
159	Global response of the plasmasphere to a geomagnetic disturbance. *Journal of Geophysical Research*, **2003**, 108,		130
158	Small-scale magnetic flux ropes in the solar wind. *Geophysical Research Letters*, **2000**, 27, 57-60	4.9	127
157	On the formation and evolution of plasmoids: A survey of ISEE 3 geotail data. *Journal of Geophysical Research*, **1992**, 97, 19259		122
156	Global plasmaspheric TEC and its relative contribution to GPS TEC. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2008**, 70, 1541-1548	2	100
155	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. *Space Science Reviews*, **2009**, 145, 55-106	7.5	96
154	Evolution of plasmaspheric ions at geosynchronous orbit during times of high geomagnetic activity. *Geophysical Research Letters*, **1996**, 23, 2189-2192	4.9	89
153	Plasmoids as magnetic flux ropes. *Journal of Geophysical Research*, **1991**, 96, 14051-14064		84
152	Ulysses observation of a noncoronal mass ejection flux rope: Evidence of interplanetary magnetic reconnection. *Journal of Geophysical Research*, **1995**, 100, 19903		74
151	The longitudinal variability of equatorial electrojet and vertical drift velocity in the African and American sectors. *Annales Geophysicae*, **2014**, 32, 231-238	2	73
150	Geomagnetic substorm association of plasmoids. *Journal of Geophysical Research*, **1993**, 98, 81-88		71

149	An examination of the structure and dynamics of the outer plasmasphere using multiple geosynchronous satellites. *Journal of Geophysical Research*, **1994**, 99, 11475		69
148	Observations of earthward and tailward propagating flux rope plasmoids: Expanding the plasmoid model of geomagnetic substorms. *Journal of Geophysical Research*, **1994**, 99, 183		64
147	Hot proton anisotropies and cool proton temperatures in the outer magnetosphere. *Journal of Geophysical Research*, **1994**, 99, 23603		64
146	The fine-scale structure of the outer plasmasphere. *Journal of Geophysical Research*, **1995**, 100, 8021		59
145	Near-Earth initiation of a terrestrial substorm. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		57
144	Comparison of small-scale flux rope magnetic properties to large-scale magnetic clouds: Evidence for reconnection across the HCS?. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		56
143	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L = 2. *Geophysical Research Letters*, **2000**, 27, 633-636	4.9	55
142	CRRES observations of density cavities inside the plasmasphere. *Journal of Geophysical Research*, **2000**, 105, 23323-23338		54
141	An Introduction to Space Weather **2008**,		53
140	Heliospheric evolution of solar wind small-scale magnetic flux ropes. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		51
139	A plasmaspheric mass density model and constraints on its heavy ion concentration. *Journal of Geophysical Research*, **2005**, 110,		48
138	On the generation/decay of the storm-enhanced density plumes: Role of the convection flow and field-aligned ion flow. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8543-8559	2.6	47
137	Dynamical effects of internal gravity waves in the equinoctial thermosphere. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2012**, 90-91, 104-116	2	47
136	Propagation of the preliminary reverse impulse of sudden commencements to low latitudes. *Journal of Geophysical Research*, **2001**, 106, 18857-18864		46
135	The correlation between mid-latitude trough and the plasmapause. *Geophysical Research Letters*, **2005**, 32,	4.9	45
134	The altitude extension of the mid-latitude trough and its correlation with plasmapause position. *Geophysical Research Letters*, **2005**, 32,	4.9	43
133	Plasmaspheric plumes: CRRES observations of enhanced density beyond the plasmapause. *Journal of Geophysical Research*, **2004**, 109,		43
132	Density enhancement in plasmasphere-ionosphere plasma during the 2003 Halloween Superstorm: Observations along the 330th magnetic meridian in North America. *Geophysical Research Letters*, **2005**, 32,	4.9	42

131	Unusual topside ionospheric density response to the November 2003 superstorm. *Journal of Geophysical Research*, **2006**, 111,		42
130	Ionosphere dynamics over the Southern Hemisphere during the 31 March 2001 severe magnetic storm using multi-instrument measurement data. *Annales Geophysicae*, **2005**, 23, 707-721	2	42
129	Longitudinal differences of ionospheric vertical density distribution and equatorial electrodynamics. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		41
128	Multi-instrument observations of SED during 24–25 October 2011 storm: Implications for SED formation processes. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7798-7809	2.6	41
127	Comparison of storm time equatorial ionospheric electrodynamics in the African and American sectors. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2011**, 73, 156-163	2	41
126	An automated method for the detection of field line resonance frequencies using ground magnetometer techniques. *Journal of Geophysical Research*, **2003**, 108,		40
125	African Meridian B-Field Education and Research (AMBER) Array. *Earth, Moon and Planets*, **2009**, 104, 237-246	0.6	36
124	Southern Hemisphere ionosphere and plasmasphere response to the interplanetary shock event of 29–31 October 2003. *Journal of Geophysical Research*, **2005**, 110,		36
123	Ionospheric signatures of a plasmaspheric plume over Europe. *Geophysical Research Letters*, **2006**, 33,	4.9	36
122	Magnetic reconnection ahead of a coronal mass ejection. *Geophysical Research Letters*, **1994**, 21, 1751-1754	4.9	36
121	Sounding of the plasmasphere by Mid-continent MAgnetoseismic Chain (McMAC) magnetometers. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3077-3086	2.6	35
120	Space Technology 5 multi-point measurements of near-Earth magnetic fields: Initial results. *Geophysical Research Letters*, **2008**, 35,	4.9	34
119	A comparison of the formation and evolution of magnetic flux ropes in solar coronal mass ejections and magnetotail plasmoids. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		33
118	Augmented Empirical Models of Plasmaspheric Density and Electric Field Using IMAGE and CLUSTER Data. *Space Science Reviews*, **2009**, 145, 231-261	7.5	32
117	Modeling ionospheric <I>fo</I>F2 by using empirical orthogonal function analysis. *Annales Geophysicae*, **2011**, 29, 1501-1515	2	32
116	Computing magnetospheric mass density from field line resonances in a realistic magnetic field geometry. *Journal of Geophysical Research*, **2006**, 111,		32
115	Plasma observations of magnetopause crossings at geosynchronous orbit. *Journal of Geophysical Research*, **1994**, 99, 21249		30
114	Strong postmidnight equatorial ionospheric anomaly observations during magnetically quiet periods. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		29

113	Global energy transfer during a magnetospheric field line resonance. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	28
112	Geomagnetically induced currents around the world during the 17 March 2015 storm. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 10,496	2.6	27
111	Statistical study of global modes outside the plasmasphere. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 804-822	2.6	26
110	The occurrence of ionospheric signatures of plasmaspheric plumes over different longitudinal sectors. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		26
109	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. *Geophysical Research Letters*, **2003**, 30, n/a-n/a	4.9	25
108	Observations of a Pc5 global (cavity/waveguide) mode outside the plasmasphere by THEMIS. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		24
107	On the formation of tilted flux ropes in the Earth's magnetotail observed with ARTEMIS. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		23
106	On the causes of plasmaspheric rotation variability: IMAGE EUV observations. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		23
105	Using tomography of GPS TEC to routinely determine ionospheric average electron density profiles. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2007**, 69, 314-321	2	23
104	Diurnal variation in plasmaspheric He+ inferred from extreme ultraviolet images. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		22
103	Plasmapause morphology determined from an empirical ionospheric convection model. *Journal of Geophysical Research*, **1992**, 97, 1151		22
102	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7459-7476	2.6	21
101	Identification of substorm onset location and preonset sequence using Reimei, THEMIS GBO, PFISR, and Geotail. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		21
100	Quantifying Global Plasmaspheric Images With in situ Observations. *Space Science Reviews*, **2003**, 109, 47-61	7.5	21
99	Quiet time variability of the geosynchronous magnetic field and its response to the solar wind. *Journal of Geophysical Research*, **2002**, 107, SMP 16-1-SMP 16-10		21
98	The magnetospheric lobe at geosynchronous orbit. *Journal of Geophysical Research*, **1994**, 99, 17283		21
97	MLT dependence in the relationship between plasmapause, solar wind, and geomagnetic activity based on CRRES: 19901991. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4397-4408	2.6	20
96	The effect of magnetopause motion on fast mode resonance. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8212-8227	2.6	20

95	Statistical observations of spatial characteristics of Pi1B pulsations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2007**, 69, 1775-1796	2	20
94	Premidnight plasmaspheric plumes. *Journal of Geophysical Research*, **1997**, 102, 11325-11334		19
93	Multi-satellite observations of plasmoids: IMP 8 and ISEE 3. *Geophysical Research Letters*, **1992**, 19, 1081-1084	4.9	19
92	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8331-8357	2.6	19
91	Electrodynamics of the high-latitude trough: Its relationship with convection flows and field-aligned currents. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2565-2572	2.6	18
90	GPS TEC observations of dynamics of the mid-latitude trough during substorms. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	18
89	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions **2009**, 55-106		18
88	Outer Plasmaspheric Plasma Properties: What We Know from Satellite Data **1997**, 80, 181-198		18
87	The story of plumes: the development of a new conceptual framework for understanding magnetosphere and ionosphere coupling. *Annales Geophysicae*, **2016**, 34, 1243-1253	2	18
86	Flux dropouts of plasma and energetic particles at geosynchronous orbit during large geomagnetic storms: Entry into the lobes. *Journal of Geophysical Research*, **1995**, 100, 8031		17
85	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7442-7458	2.6	16
84	The global structure and time evolution of dayside magnetopause surface eigenmodes. *Geophysical Research Letters*, **2015**, 42, 2594-2602	4.9	16
83	Pc5 wave power in the quiet-time plasmasphere and trough: CRRES observations. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	16
82	Alfvén waves as a possible source of long-duration, large-amplitude, and geoeffective southward IMF. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3259-3266	2.6	15
81	Importance of capturing heliospheric variability for studies of thermospheric vertical winds. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		15
80	Postmidnight depletion of the high-energy tail of the quiet plasmasphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 1646-1660	2.6	14
79	Remote measurements of ion temperatures in the terrestrial magnetotail. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		14
78	Small-scale structure of the midlatitude storm enhanced density plume during the 17 March 2015 St. Patrick's Day storm. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3665-3677	2.6	13

77	The source, statistical properties, and geoeffectiveness of long-duration southward interplanetary magnetic field intervals. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 658-669	2.6	13
76	Local time asymmetries and toroidal field line resonances: Global magnetospheric modeling in SWMF. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2033-2045	2.6	13
75	Hemispheric differences in the response of the upper atmosphere to the August 2011 geomagnetic storm: A simulation study. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2016**, 141, 13-26	2	12
74	Measurement and modeling of the refilling plasmasphere during 2001. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2226-2248	2.6	12
73	The Time History of Events and Macroscale Interactions during Substorms (THEMIS) Education and Outreach (E/PO) Program. *Space Science Reviews*, **2008**, 141, 557-583	7.5	12
72	GPS-based remote sensing of the geospace environment: horizontal and vertical structure of the ionosphere and plasmasphere **2004**,		12
71	Storm Time Global Observations of Large-Scale TIDs From Ground-Based and In Situ Satellite Measurements. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 711-724	2.6	11
70	Possible evidence of virtual resonance in the dayside magnetosphere. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		11
69	First tomographic image of ionospheric outflows. *Geophysical Research Letters*, **2006**, 33,	4.9	11
68	The appearance of plasmaspheric plasma in the outer magnetosphere in association with the substorm growth phase. *Geophysical Research Letters*, **1996**, 23, 801-804	4.9	11
67	Investigation of a low-cost magneto-inductive magnetometer for space science applications. *Geoscientific Instrumentation, Methods and Data Systems*, **2018**, 7, 129-142	1.5	11
66	ULF wave electromagnetic energy flux into the ionosphere: Joule heating implications. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 494-510	2.6	10
65	Response of the equatorial ionosphere to the geomagnetic DP 2 current system. *Geophysical Research Letters*, **2016**, 43, 7364-7372	4.9	10
64	The geo-effectiveness of interplanetary small-scale magnetic fluxropes. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2013**, 95-96, 1-14	2	10
63	Conjunction study of plasmapause location using ground-based magnetometers, IMAGE-EUV, and Kaguya-TEX data. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
62	Eigenmode analysis of pitch-angle diffusion of energetic electrons in the outer zone. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2008**, 70, 1738-1744	2	10
61	Plasma electron signatures of magnetic connection to the Jovian bow shock: Ulysses observations. *Planetary and Space Science*, **1993**, 41, 799-810	2	10
60	. *IEEE Transactions on Aerospace and Electronic Systems*, **2016**, 52, 307-318	3.7	10

59	The performance of IRI-2016 in the African sector of equatorial ionosphere for different geomagnetic conditions and time scales. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2019**, 186, 116-138	2	9
58	The relationship between equatorial ionization anomaly and nighttime equatorial spread F in East Africa. *Advances in Space Research*, **2018**, 62, 1737-1752	2.4	9
57	Survey of the ULF wave Poynting vector near the Earth's magnetic equatorial plane. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 6212-6227	2.6	9
56	Probabilistic forecasting analysis of geomagnetic indices for southward IMF events. *Space Weather*, **2015**, 13, 130-140	3.7	9
55	Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations. *Space Science Reviews*, **2009**, 145, 137-191	7.5	9
54	Augmented Empirical Models of Plasmaspheric Density and Electric Field Using IMAGE and CLUSTER Data **2009**, 231-261		9
53	On the relationships between double-onset substorm, pseudobreakup, and IMF variation: The 4 September 1999 event. *Journal of Geophysical Research*, **2005**, 110,		9
52	Plasmapause response to geomagnetic storms: CRRES results. *Journal of Geophysical Research*, **2003**, 108,		9
51	Plasmoid observations in the distant plasma sheet boundary layer. *Geophysical Research Letters*, **1992**, 19, 1911-1914	4.9	9
50	High-Citation Papers in Space Physics: Examination of Gender, Country, and Paper Characteristics. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2557-2565	2.6	8
49	Local time variations of high-energy plasmaspheric ion pitch angle distributions. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6234-6244	2.6	8
48	Reconnection on open field lines ahead of coronal mass ejections. *Space Science Reviews*, **1995**, 72, 129-133	7.5	8
47	Long-Term Estimation of Diurnal Vertical E □B Drift Velocities Using C/NOFS and Ground-Based Magnetometer Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6996-7010	2.6	7
46	Observations of ULF wave related equatorial electrojet and density fluctuations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2013**, 103, 157-168	2	7
45	Reply to comment by T. Kikuchi and T. Araki on □Propagation of the preliminary reverse impulse of sudden commencements to low latitudes□ *Journal of Geophysical Research*, **2002**, 107, SMP 33-1-SMP 33-2		7
44	Comparison of three techniques for locating a resonating magnetic field line. *Journal of Atmospheric and Solar-Terrestrial Physics*, **1999**, 61, 1289-1297	2	7
43	Global profiles of compressional ultralow frequency wave power at geosynchronous orbit and their response to the solar wind. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		6
42	On the origin of reverse polarity TCRs. *Geophysical Research Letters*, **2001**, 28, 1925-1928	4.9	6

41	Source and loss processes in the inner magnetosphere. *Space Science Reviews*, **1999**, 88, 137-206	7.5	6
40	Interhemispheric Comparisons of Large Nighttime Magnetic Perturbation Events Relevant to GICs. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028128	2.6	6
39	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. *Space Weather*, **2021**, 19, e2020SW002526	3.7	6
38	A reexamination of the local time asymmetry of lobe encounters at geosynchronous orbit: CRRES, ATS 5, and LANL observations. *Journal of Geophysical Research*, **1998**, 103, 9207-9216		5
37	A 2 -Dimensional Magnetic Field Model of Plasmoids. *Geophysical Monograph Series*, **1990**, 663-668	1.1	5
36	Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations **2009**, 137-191		5
35	Interhemispheric Asymmetries in Magnetospheric Energy Input. *Geophysical Monograph Series*, **2016**, 1-20	1.1	4
34	Stormtime Equatorial Electrojet Ground-Induced Currents. *Geophysical Monograph Series*, **2016**, 33-40	1.1	4
33	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9619-9631	2.6	3
32	Quantifying the azimuthal plasmaspheric density structure and dynamics inferred from IMAGE EUV. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		3
31	Structures of the magnetic field139-162		3
30	Spatial field structure and polarization of geomagnetic pulsations in conjugate areas. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2003**, 65, 1161-1167	2	3
29	Evidence of different magnetotail responses to small solar wind pressure pulses depending on IMF Bz polarity. *Geophysical Research Letters*, **2001**, 28, 4163-4166	4.9	3
28	Simulation of January 1 , 1978, events. *Journal of Geophysical Research*, **1987**, 92, 11183		3
27	The dynamic plasmasphere. *Advances in Space Research*, **1997**, 20, 395-400	2.4	2
26	Angular distributions of suprathermal electrons observed at geosynchronous orbit. *Journal of Geophysical Research*, **1999**, 104, 4457-4466		2
25	Research Career Persistence for Solar and Space Physics PhD. *Space Weather*, **2016**, 14, 384-390	3.7	2
24	Global Magnetosphere Response to Solar Wind Dynamic Pressure Pulses During Northward IMF Using the Heliophysics System Observatory. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028587	2.6	2

23	ULF Wave-Associated Density Irregularities and Scintillation at the Equator. *Geophysical Research Letters*, **2018**, 45, 5290-5298	4.9	2
22	The Effect of F-Layer Zonal Neutral Wind on the Monthly and Longitudinal Variability of Equatorial Ionosphere Irregularity and Drift Velocity. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027671	2.6	1
21	Counter-Electrojet Occurrence as Observed From C/NOFS Satellite and Ground-Based Magnetometer Data Over the African and American Sectors. *Space Weather*, **2019**, 17, 1090	3.7	1
20	Is There an Appropriate Balance Between the Number of Solar and Space Physics PhDs and the Jobs Available?. *Space Weather*, **2013**, 11, 445-448	3.7	1
19	The Importance of the Plasmasphere Boundary Layer for Understanding Inner Magnetosphere Dynamics. *Geophysical Monograph Series*, **2013**, 321-328	1.1	1
18	Reply to comment by H. Q. Feng, D. J. Wu, and J. K. Chao on "Comparison of small-scale flux rope magnetic properties to large-scale magnetic clouds: Evidence for reconnection across the HCS". *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		1
17	Using sunshine for elementary space science education: A model for IHY scientist–teacher partnerships. *Advances in Space Research*, **2008**, 42, 1814-1818	2.4	1
16	How big is our Sun?. *Physics Teacher*, **2000**, 38, 115-116	0.4	1
15	Radiation tolerance of the PNI RM3100 magnetometer for a Europa lander mission. *Geoscientific Instrumentation, Methods and Data Systems*, **2020**, 9, 499-507	1.5	1
14	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029839	2.6	1
13	The relationship between upward propagating atmospheric gravity waves and ionospheric irregularities during solar minimum periods. *Space Weather*,	3.7	1
12	Quantifying Global Plasmaspheric Images with in situ Observations **2003**, 47-61		1
11	Machine Learning Algorithms for Spacecraft Magnetic Field Interference Cancellation: Enabling Satellite Magnetometry without a Boom		1
10	Instigators of Future Change in Magnetospheric Research. *Geophysical Monograph Series*, **2021**, 753-763	1.1	1
9	Characterization of Transient-Large-Amplitude Geomagnetic Perturbation Events. *Geophysical Research Letters*, **2021**, 48, e2021GL094076	4.9	1
8	Characteristics of equatorial nighttime spread F—An analysis on season-longitude, solar activity and triggering causes. *Advances in Space Research*, **2020**, 65, 95-106	2.4	0
7	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029465	2.6	0
6	AGU Scientists Host Teacher Workshop in Ethiopia. *Eos*, **2008**, 89, 99	1.5	

List of Publications

5	The challenge of placing in situ magnetotail observations into global context. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2000**, 62, 825-831	2
4	Auroral Workshop generates U.S.-Finnish teamwork. *Eos*, **1998**, 79, 19-19	1.5
3	Outer Plasmaspheric Plasma Properties: What We Know from Satellite Data **1997**, 181-198	
2	Nonlinear Least Squares Fitting Technique for the Determination of Field Line Resonance Frequency in Ground Magnetometer Data: Application to Remote Sensing of Plasmaspheric Mass Density. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028440	2.6
1	The role of global thermospheric zonal winds on the variability of equatorial ionospheric irregularities. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2022**, 233-234, 105873	2