

Mark B Moldwin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 role of global thermospheric zonal winds on the variability of equatorial ionospheric irregularities. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2022 , 233-234, 105873	2	
165	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029839	2.6	1
164	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. <i>Space Weather</i> , 2021 , 19, e2020SW002526	3.7	6
163	Instigators of Future Change in Magnetospheric Research. <i>Geophysical Monograph Series</i> , 2021 , 753-763	1.1	1
162	Global Magnetosphere Response to Solar Wind Dynamic Pressure Pulses During Northward IMF Using the Heliophysics System Observatory. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028587	2.6	2
161	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. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028440	2.6	
160	Characterization of Transient-Large-Amplitude Geomagnetic Perturbation Events. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094076	4.9	1
159	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029465	2.6	0
158	The Effect of F-Layer Zonal Neutral Wind on the Monthly and Longitudinal Variability of Equatorial Ionosphere Irregularity and Drift Velocity. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027671	2.6	1
157	Radiation tolerance of the PNI RM3100 magnetometer for a Europa lander mission. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020 , 9, 499-507	1.5	1
156	Characteristics of equatorial nighttime spread F [An analysis on season-longitude, solar activity and triggering causes. <i>Advances in Space Research</i> , 2020 , 65, 95-106	2.4	0
155	Interhemispheric Comparisons of Large Nighttime Magnetic Perturbation Events Relevant to GICs. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028128	2.6	6
154	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7442-7458	2.6	16
153	The performance of IRI-2016 in the African sector of equatorial ionosphere for different geomagnetic conditions and time scales. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 186, 116-138	2	9
152	Counter-Electrojet Occurrence as Observed From C/NOFS Satellite and Ground-Based Magnetometer Data Over the African and American Sectors. <i>Space Weather</i> , 2019 , 17, 1090	3.7	1
151	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7459-7476	2.6	21
150	Storm Time Global Observations of Large-Scale TIDs From Ground-Based and In Situ Satellite Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 711-724	2.6	11

149	High-Citation Papers in Space Physics: Examination of Gender, Country, and Paper Characteristics. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2557-2565	2.6	8
148	The relationship between equatorial ionization anomaly and nighttime equatorial spread F in East Africa. <i>Advances in Space Research</i> , 2018 , 62, 1737-1752	2.4	9
147	Long-Term Estimation of Diurnal Vertical E _z Drift Velocities Using C/NOFS and Ground-Based Magnetometer Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6996-7010	2.6	7
146	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8331-8357	2.6	19
145	ULF Wave-Associated Density Irregularities and Scintillation at the Equator. <i>Geophysical Research Letters</i> , 2018 , 45, 5290-5298	4.9	2
144	Investigation of a low-cost magneto-inductive magnetometer for space science applications. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2018 , 7, 129-142	1.5	11
143	Small-scale structure of the midlatitude storm enhanced density plume during the 17 March 2015 St. Patrick's Day storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3665-3677	2.6	13
142	Hemispheric differences in the response of the upper atmosphere to the August 2011 geomagnetic storm: A simulation study. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 141, 13-26	2	12
141	Local time variations of high-energy plasmaspheric ion pitch angle distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6234-6244	2.6	8
140	Interhemispheric Asymmetries in Magnetospheric Energy Input. <i>Geophysical Monograph Series</i> , 2016 , 1-20	1.1	4
139	Stormtime Equatorial Electrojet Ground-Induced Currents. <i>Geophysical Monograph Series</i> , 2016 , 33-40	1.1	4
138	Response of the equatorial ionosphere to the geomagnetic DP 2 current system. <i>Geophysical Research Letters</i> , 2016 , 43, 7364-7372	4.9	10
137	MLT dependence in the relationship between plasmopause, solar wind, and geomagnetic activity based on CRRES: 1990-1991. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4397-4408	2.6	20
136	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9619-9631	2.6	3
135	Geomagnetically induced currents around the world during the 17 March 2015 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,496	2.6	27
134	Measurement and modeling of the refilling plasmasphere during 2001. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2226-2248	2.6	12
133	The Magnetospheric Multiscale Magnetometers. <i>Space Science Reviews</i> , 2016 , 199, 189-256	7.5	670
132	The story of plumes: the development of a new conceptual framework for understanding magnetosphere and ionosphere coupling. <i>Annales Geophysicae</i> , 2016 , 34, 1243-1253	2	18

131	Local time asymmetries and toroidal field line resonances: Global magnetospheric modeling in SWMF. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2033-2045	2.6	13
130	Research Career Persistence for Solar and Space Physics PhD. <i>Space Weather</i> , 2016 , 14, 384-390	3.7	2
129	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 307-318	3.7	10
128	ULF wave electromagnetic energy flux into the ionosphere: Joule heating implications. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 494-510	2.6	10
127	The global structure and time evolution of dayside magnetopause surface eigenmodes. <i>Geophysical Research Letters</i> , 2015 , 42, 2594-2602	4.9	16
126	Postmidnight depletion of the high-energy tail of the quiet plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1646-1660	2.6	14
125	Probabilistic forecasting analysis of geomagnetic indices for southward IMF events. <i>Space Weather</i> , 2015 , 13, 130-140	3.7	9
124	The source, statistical properties, and geoeffectiveness of long-duration southward interplanetary magnetic field intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 658-669	2.6	13
123	The effect of magnetopause motion on fast mode resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8212-8227	2.6	20
122	On the generation/decay of the storm-enhanced density plumes: Role of the convection flow and field-aligned ion flow. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8543-8559	2.6	47
121	Alfvén waves as a possible source of long-duration, large-amplitude, and geoeffective southward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3259-3266	2.6	15
120	The longitudinal variability of equatorial electrojet and vertical drift velocity in the African and American sectors. <i>Annales Geophysicae</i> , 2014 , 32, 231-238	2	73
119	Sounding of the plasmasphere by Mid-continent MAGnetoseismic Chain (McMAC) magnetometers. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3077-3086	2.6	35
118	Observations of ULF wave related equatorial electrojet and density fluctuations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 103, 157-168	2	7
117	Statistical study of global modes outside the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 804-822	2.6	26
116	Survey of the ULF wave Poynting vector near the Earth's magnetic equatorial plane. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6212-6227	2.6	9
115	Is There an Appropriate Balance Between the Number of Solar and Space Physics PhDs and the Jobs Available?. <i>Space Weather</i> , 2013 , 11, 445-448	3.7	1
114	The Importance of the Plasmasphere Boundary Layer for Understanding Inner Magnetosphere Dynamics. <i>Geophysical Monograph Series</i> , 2013 , 321-328	1.1	1

113	The geo-effectiveness of interplanetary small-scale magnetic fluxropes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 95-96, 1-14	2	10
112	Electrodynamics of the high-latitude trough: Its relationship with convection flows and field-aligned currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2565-2572	2.6	18
111	Multi-instrument observations of SED during 24-25 October 2011 storm: Implications for SED formation processes. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7798-7809	2.6	41
110	Quantifying the azimuthal plasmaspheric density structure and dynamics inferred from IMAGE EUV. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		3
109	Dynamical effects of internal gravity waves in the equinoctial thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012 , 90-91, 104-116	2	47
108	Observations of a Pc5 global (cavity/waveguide) mode outside the plasmasphere by THEMIS. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		24
107	On the formation of tilted flux ropes in the Earth's magnetotail observed with ARTEMIS. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
106	Longitudinal differences of ionospheric vertical density distribution and equatorial electrodynamics. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		41
105	Importance of capturing heliospheric variability for studies of thermospheric vertical winds. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
104	Global energy transfer during a magnetospheric field line resonance. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	28
103	GPS TEC observations of dynamics of the mid-latitude trough during substorms. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	18
102	Comparison of storm time equatorial ionospheric electrodynamics in the African and American sectors. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011 , 73, 156-163	2	41
101	Modeling ionospheric f_oF_2 by using empirical orthogonal function analysis. <i>Annales Geophysicae</i> , 2011 , 29, 1501-1515	2	32
100	Heliospheric evolution of solar wind small-scale magnetic flux ropes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		51
99	On the causes of plasmaspheric rotation variability: IMAGE EUV observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		23
98	Conjunction study of plasmopause location using ground-based magnetometers, IMAGE-EUV, and Kaguya-TEX data. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		10
97	Pc5 wave power in the quiet-time plasmasphere and trough: CRRES observations. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	16
96	Identification of substorm onset location and preonset sequence using Reimei, THEMIS GBO, PFISR, and Geotail. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		21

95	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. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		1
94	African Meridian B-Field Education and Research (AMBER) Array. <i>Earth, Moon and Planets</i> , 2009 , 104, 237-246	0.6	36
93	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions. <i>Space Science Reviews</i> , 2009 , 145, 55-106	7.5	96
92	Augmented Empirical Models of Plasmaspheric Density and Electric Field Using IMAGE and CLUSTER Data. <i>Space Science Reviews</i> , 2009 , 145, 231-261	7.5	32
91	Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations. <i>Space Science Reviews</i> , 2009 , 145, 137-191	7.5	9
90	Strong postmidnight equatorial ionospheric anomaly observations during magnetically quiet periods. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		29
89	Augmented Empirical Models of Plasmaspheric Density and Electric Field Using IMAGE and CLUSTER Data 2009 , 231-261		9
88	A comparison of the formation and evolution of magnetic flux ropes in solar coronal mass ejections and magnetotail plasmoids. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		33
87	Possible evidence of virtual resonance in the dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		11
86	Plasmaspheric Density Structures and Dynamics: Properties Observed by the CLUSTER and IMAGE Missions 2009 , 55-106		18
85	Near-Earth initiation of a terrestrial substorm. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		57
84	Advances in Plasmaspheric Wave Research with CLUSTER and IMAGE Observations 2009 , 137-191		5
83	Space Technology 5 multi-point measurements of near-Earth magnetic fields: Initial results. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	34
82	Electron scattering by whistler-mode ELF hiss in plasmaspheric plumes. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		154
81	The occurrence of ionospheric signatures of plasmaspheric plumes over different longitudinal sectors. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		26
80	Diurnal variation in plasmaspheric He ⁺ inferred from extreme ultraviolet images. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		22
79	AGU Scientists Host Teacher Workshop in Ethiopia. <i>Eos</i> , 2008 , 89, 99	1.5	
78	Remote measurements of ion temperatures in the terrestrial magnetotail. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14

77	Comparison of small-scale flux rope magnetic properties to large-scale magnetic clouds: Evidence for reconnection across the HCS?. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		56
76	Using sunshine for elementary space science education: A model for IHY scientist/teacher partnerships. <i>Advances in Space Research</i> , 2008 , 42, 1814-1818	2.4	1
75	The Time History of Events and Macroscale Interactions during Substorms (THEMIS) Education and Outreach (E/PO) Program. <i>Space Science Reviews</i> , 2008 , 141, 557-583	7.5	12
74	Global plasmaspheric TEC and its relative contribution to GPS TEC. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 1541-1548	2	100
73	Eigenmode analysis of pitch-angle diffusion of energetic electrons in the outer zone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 1738-1744	2	10
72	An Introduction to Space Weather 2008 ,		53
71	Global profiles of compressional ultralow frequency wave power at geosynchronous orbit and their response to the solar wind. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		6
70	Using tomography of GPS TEC to routinely determine ionospheric average electron density profiles. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 314-321	2	23
69	Statistical observations of spatial characteristics of Pi1B pulsations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 1775-1796	2	20
68	Unusual topside ionospheric density response to the November 2003 superstorm. <i>Journal of Geophysical Research</i> , 2006 , 111,		42
67	Computing magnetospheric mass density from field line resonances in a realistic magnetic field geometry. <i>Journal of Geophysical Research</i> , 2006 , 111,		32
66	Ionospheric signatures of a plasmaspheric plume over Europe. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	36
65	First tomographic image of ionospheric outflows. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	11
64	The altitude extension of the mid-latitude trough and its correlation with plasmopause position. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	43
63	On the relationships between double-onset substorm, pseudobreakup, and IMF variation: The 4 September 1999 event. <i>Journal of Geophysical Research</i> , 2005 , 110,		9
62	Density enhancement in plasmasphere-ionosphere plasma during the 2003 Halloween Superstorm: Observations along the 330th magnetic meridian in North America. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	42
61	A plasmaspheric mass density model and constraints on its heavy ion concentration. <i>Journal of Geophysical Research</i> , 2005 , 110,		48
60	Southern Hemisphere ionosphere and plasmasphere response to the interplanetary shock event of 29B1 October 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		36

59	The correlation between mid-latitude trough and the plasmopause. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	45
58	Ionosphere dynamics over the Southern Hemisphere during the 31 March 2001 severe magnetic storm using multi-instrument measurement data. <i>Annales Geophysicae</i> , 2005 , 23, 707-721	2	42
57	Plasmaspheric plumes: CRRES observations of enhanced density beyond the plasmopause. <i>Journal of Geophysical Research</i> , 2004 , 109,		43
56	GPS-based remote sensing of the geospace environment: horizontal and vertical structure of the ionosphere and plasmasphere 2004 ,		12
55	Quantifying Global Plasmaspheric Images With in situ Observations. <i>Space Science Reviews</i> , 2003 , 109, 47-61	7.5	21
54	Spatial field structure and polarization of geomagnetic pulsations in conjugate areas. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2003 , 65, 1161-1167	2	3
53	Empirical plasmopause models from magnetic indices. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	229
52	Geotail observations of magnetic flux ropes in the plasma sheet. <i>Journal of Geophysical Research</i> , 2003 , 108, SMP 10-1		237
51	An automated method for the detection of field line resonance frequencies using ground magnetometer techniques. <i>Journal of Geophysical Research</i> , 2003 , 108,		40
50	Cluster four spacecraft measurements of small traveling compression regions in the near-tail. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	25
49	Global response of the plasmasphere to a geomagnetic disturbance. <i>Journal of Geophysical Research</i> , 2003 , 108,		130
48	Plasmopause response to geomagnetic storms: CRRES results. <i>Journal of Geophysical Research</i> , 2003 , 108,		9
47	Quantifying Global Plasmaspheric Images with in situ Observations 2003 , 47-61		1
46	A new model of the location of the plasmopause: CRRES results. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 2-1		194
45	Reply to comment by T. Kikuchi and T. Araki on Propagation of the preliminary reverse impulse of sudden commencements to low latitudes□ <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 33-1-SMP 33-2		7
44	Quiet time variability of the geosynchronous magnetic field and its response to the solar wind. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 16-1-SMP 16-10		21
43	Propagation of the preliminary reverse impulse of sudden commencements to low latitudes. <i>Journal of Geophysical Research</i> , 2001 , 106, 18857-18864		46
42	On the origin of reverse polarity TCRs. <i>Geophysical Research Letters</i> , 2001 , 28, 1925-1928	4.9	6

41	An empirical plasmasphere and trough density model: CRRES observations. <i>Journal of Geophysical Research</i> , 2001 , 106, 25631-25641		326
40	Evidence of different magnetotail responses to small solar wind pressure pulses depending on IMF Bz polarity. <i>Geophysical Research Letters</i> , 2001 , 28, 4163-4166	4.9	3
39	How big is our Sun?. <i>Physics Teacher</i> , 2000 , 38, 115-116	0.4	1
38	The challenge of placing in situ magnetotail observations into global context. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000 , 62, 825-831	2	
37	CRRES observations of density cavities inside the plasmasphere. <i>Journal of Geophysical Research</i> , 2000 , 105, 23323-23338		54
36	Plasmaspheric depletion and refilling associated with the September 25, 1998 magnetic storm observed by ground magnetometers at L = 2. <i>Geophysical Research Letters</i> , 2000 , 27, 633-636	4.9	55
35	Small-scale magnetic flux ropes in the solar wind. <i>Geophysical Research Letters</i> , 2000 , 27, 57-60	4.9	127
34	Comparison of three techniques for locating a resonating magnetic field line. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1999 , 61, 1289-1297	2	7
33	Source and loss processes in the inner magnetosphere. <i>Space Science Reviews</i> , 1999 , 88, 137-206	7.5	6
32	Angular distributions of suprathermal electrons observed at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1999 , 104, 4457-4466		2
31	A reexamination of the local time asymmetry of lobe encounters at geosynchronous orbit: CRRES, ATS 5, and LANL observations. <i>Journal of Geophysical Research</i> , 1998 , 103, 9207-9216		5
30	Auroral Workshop generates U.S.-Finnish teamwork. <i>Eos</i> , 1998 , 79, 19-19	1.5	
29	Premidnight plasmaspheric plumes. <i>Journal of Geophysical Research</i> , 1997 , 102, 11325-11334		19
28	The dynamic plasmasphere. <i>Advances in Space Research</i> , 1997 , 20, 395-400	2.4	2
27	Outer Plasmaspheric Plasma Properties: What We Know from Satellite Data 1997 , 80, 181-198		18
26	Outer Plasmaspheric Plasma Properties: What We Know from Satellite Data 1997 , 181-198		
25	Evolution of plasmaspheric ions at geosynchronous orbit during times of high geomagnetic activity. <i>Geophysical Research Letters</i> , 1996 , 23, 2189-2192	4.9	89
24	The appearance of plasmaspheric plasma in the outer magnetosphere in association with the substorm growth phase. <i>Geophysical Research Letters</i> , 1996 , 23, 801-804	4.9	11

23	Reconnection on open field lines ahead of coronal mass ejections. <i>Space Science Reviews</i> , 1995 , 72, 129-133	8
22	Flux dropouts of plasma and energetic particles at geosynchronous orbit during large geomagnetic storms: Entry into the lobes. <i>Journal of Geophysical Research</i> , 1995 , 100, 8031	17
21	The fine-scale structure of the outer plasmasphere. <i>Journal of Geophysical Research</i> , 1995 , 100, 8021	59
20	Ulysses observation of a noncoronal mass ejection flux rope: Evidence of interplanetary magnetic reconnection. <i>Journal of Geophysical Research</i> , 1995 , 100, 19903	74
19	Observations of earthward and tailward propagating flux rope plasmoids: Expanding the plasmoid model of geomagnetic substorms. <i>Journal of Geophysical Research</i> , 1994 , 99, 183	64
18	An examination of the structure and dynamics of the outer plasmasphere using multiple geosynchronous satellites. <i>Journal of Geophysical Research</i> , 1994 , 99, 11475	69
17	Magnetic reconnection ahead of a coronal mass ejection. <i>Geophysical Research Letters</i> , 1994 , 21, 1751-1754	36
16	The magnetospheric lobe at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1994 , 99, 17283	21
15	Plasma observations of magnetopause crossings at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1994 , 99, 21249	30
14	Hot proton anisotropies and cool proton temperatures in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1994 , 99, 23603	64
13	Geomagnetic substorm association of plasmoids. <i>Journal of Geophysical Research</i> , 1993 , 98, 81-88	71
12	Magnetospheric plasma analyzer: Initial three-spacecraft observations from geosynchronous orbit. <i>Journal of Geophysical Research</i> , 1993 , 98, 13453-13465	139
11	Plasma electron signatures of magnetic connection to the Jovian bow shock: Ulysses observations. <i>Planetary and Space Science</i> , 1993 , 41, 799-810	2 10
10	On the formation and evolution of plasmoids: A survey of ISEE 3 geotail data. <i>Journal of Geophysical Research</i> , 1992 , 97, 19259	122
9	Multi-satellite observations of plasmoids: IMP 8 and ISEE 3. <i>Geophysical Research Letters</i> , 1992 , 19, 1081-1084	19
8	Plasmoid observations in the distant plasma sheet boundary layer. <i>Geophysical Research Letters</i> , 1992 , 19, 1911-1914	4.9 9
7	Plasmapause morphology determined from an empirical ionospheric convection model. <i>Journal of Geophysical Research</i> , 1992 , 97, 1151	22
6	Plasmoids as magnetic flux ropes. <i>Journal of Geophysical Research</i> , 1991 , 96, 14051-14064	84

5	A 2D -Dimensional Magnetic Field Model of Plasmoids. <i>Geophysical Monograph Series</i> , 1990 , 663-668	1.1	5
4	Simulation of January 17, 1978, events. <i>Journal of Geophysical Research</i> , 1987 , 92, 11183		3
3	Structures of the magnetic field139-162		3
2	The relationship between upward propagating atmospheric gravity waves and ionospheric irregularities during solar minimum periods. <i>Space Weather</i> ,	3-7	1
1	Machine Learning Algorithms for Spacecraft Magnetic Field Interference Cancellation: Enabling Satellite Magnetometry without a Boom		1