

M W Liemohn

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.

218
papers

5,384
citations

37
h-index

58
g-index

255
ext. papers

5,929
ext. citations

3.1
avg, IF

5.58
L-index

#	Paper	IF	Citations
218	Modeling Wave-Particle Interactions With Photoelectrons on the Dayside Crustal Fields of Mars. <i>Geophysical Research Letters</i> , 2022 , 49, e2021GL096941	4.9	0
217	Global Magnetohydrodynamic Simulations: Performance Quantification of Magnetopause Distances and Convection Potential Predictions. <i>Frontiers in Astronomy and Space Sciences</i> , 2021 , 8,	3.8	2
216	Instigators of Future Change in Magnetospheric Research. <i>Geophysical Monograph Series</i> , 2021 , 753-763	1.1	1
215	Whistler Wave Interactions With Superthermal Electrons on Martian Crustal Magnetic Fields: Bounce-Averaged Diffusion Coefficients and Time Scales. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029118	2.6	1
214	RMSE is not enough: Guidelines to robust data-model comparisons for magnetospheric physics. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 218, 105624	2	7
213	What sustained multi-disciplinary research can achieve: The space weather modeling framework. <i>Journal of Space Weather and Space Climate</i> , 2021 , 11, 42	2.5	10
212	Worst-Case Severe Environments for Surface Charging Observed at LANL Satellites as Dependent on Solar Wind and Geomagnetic Conditions. <i>Space Weather</i> , 2021 , 19, e2021SW002732	3.7	2
211	Conductance Model for Extreme Events: Impact of Auroral Conductance on Space Weather Forecasts. <i>Space Weather</i> , 2020 , 18, e2020SW002551	3.7	10
210	Incorporating Physical Knowledge Into Machine Learning for Planetary Space Physics. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 7,	3.8	5
209	The STONE Curve: A ROC-Derived Model Performance Assessment Tool. <i>Earth and Space Science</i> , 2020 , 7, e2020EA001106	3.1	1
208	The Case for Improving the Robinson Formulas. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028332	2.6	6
207	Improvement of Plasma Sheet Neural Network Accuracy With Inclusion of Physical Information. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 7,	3.8	3
206	Transient Ionospheric Upflow Driven by Poleward Moving Auroral forms Observed During the Rocket Experiment for Neutral Upwelling 2 (RENU2) Campaign. <i>Geophysical Research Letters</i> , 2019 , 46, 6297-6305	4.9	3
205	Are Saturn's Interchange Injections Organized by Rotational Longitude?. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1806-1822	2.6	9
204	Recent Advancements and Remaining Challenges Associated With Inner Magnetosphere Cross-Energy/Population Interactions (IMCEPI). <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 886-897	2.6	6
203	Validation of Inner Magnetosphere Particle Transport and Acceleration Model (IMPTAM) With Long-Term GOES MAGED Measurements of keV Electron Fluxes at Geostationary Orbit. <i>Space Weather</i> , 2019 , 17, 687-708	3.7	13
202	Steady State Characteristics of the Terrestrial Geopauses. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5070-5081	2.6	0

201	Misbehaving High-Energy Electrons: Evidence in Support of Ubiquitous Wave-Particle Interactions on Dayside Martian Closed Crustal Magnetic Fields. <i>Geophysical Research Letters</i> , 2019 , 46, 11689-11697	4.9	5
200	On the Accuracy of Reconstructing Plasma Sheet Electron Fluxes From Temperature and Density Models. <i>Space Weather</i> , 2019 , 17, 1704-1719	3.7	3
199	Impact of Special Collections in JGR Space Physics. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9857-9865	2.6	1
198	Application usability levels: a framework for tracking project product progress. <i>Journal of Space Weather and Space Climate</i> , 2019 , 9, A34	2.5	9
197	Current Systems in the Earth's Magnetosphere. <i>Reviews of Geophysics</i> , 2018 , 56, 309-332	23.1	33
196	Influence of the Interplanetary Convective Electric Field on the Distribution of Heavy Pickup Ions Around Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 473-484	2.6	4
195	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
194	Recent Advances Regarding the Mars Magnetotail Current Sheet. <i>Geophysical Monograph Series</i> , 2018 , 177-190	1.1	4
193	Observations and Modeling of the Mars Low-Altitude Ionospheric Response to the 10 September 2017 X-Class Solar Flare. <i>Geophysical Research Letters</i> , 2018 , 45, 7382-7390	4.9	23
192	Model Evaluation Guidelines for Geomagnetic Index Predictions. <i>Space Weather</i> , 2018 , 16, 2079-2102	3.7	38
191	Interchange Injections at Saturn: Statistical Survey of Energetic H+ Sudden Flux Intensifications. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4692-4711	2.6	26
190	Real-Time SWMF at CCMC: Assessing the Dst Output From Continuous Operational Simulations. <i>Space Weather</i> , 2018 , 16, 1583-1603	3.7	24
189	Solar Wind Interaction With the Martian Upper Atmosphere: Roles of the Cold Thermosphere and Hot Oxygen Corona. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6639-6654	2.6	13
188	Recommendations for Next-Generation Ground Magnetic Perturbation Validation. <i>Space Weather</i> , 2018 , 16, 1912-1920	3.7	14
187	Martian low-altitude magnetic topology deduced from MAVEN/SWEA observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1831-1852	2.6	74
186	How Hospitable Are Space Weather Affected Habitable Zones? The Role of Ion Escape. <i>Astrophysical Journal Letters</i> , 2017 , 836, L3	7.9	144
185	Calculating the inductive electric field in the terrestrial magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5391-5403	2.6	6
184	A new solar wind-driven global dynamic plasmopause model: 2. Model and validation. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7172-7187	2.6	16

183	Storm time equatorial magnetospheric ion temperature derived from TWINS ENA flux. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3985-3996	2.6	4
182	Ionospheric control of the dawn-dusk asymmetry of the Mars magnetotail current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6397-6414	2.6	12
181	The effect of ring current electron scattering rates on magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4168-4189	2.6	11
180	A new solar wind-driven global dynamic plasmopause model: 1. Database and statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7153-7171	2.6	9
179	Photoelectrons in the quiet polar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6708-6726	2.6	16
178	Electric Mars: A large trans-terminator electric potential drop on closed magnetic field lines above Utopia Planitia. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2260-2271	2.6	11
177	Space Weather Effects Produced by the Ring Current Particles. <i>Space Science Reviews</i> , 2017 , 212, 1315-1344	2.6	22
176	Space Weather Effects Produced by the Ring Current Particles. <i>Space Sciences Series of ISSI</i> , 2017 , 431-460	2.6	11
175	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
174	Geomagnetic disturbance intensity dependence on the universal timing of the storm peak. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7561-7571	2.6	1
173	The ionospheric source of magnetospheric plasma is not a black box input for global models. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5559-5565	2.6	14
172	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
171	Challenges associated with near-Earth nightside current. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6763-6768	2.6	13
170	The outflow of ionospheric nitrogen ions: A possible tracer for the altitude-dependent transport and energization processes of ionospheric plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9250-9255	2.6	20
169	Martian high-altitude photoelectrons independent of solar zenith angle. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3767-3780	2.6	21
168	Ionospheric electron number densities from CUTLASS dual-frequency velocity measurements using artificial backscatter over EISCAT. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8066-8076	2.6	2
167	Spacecraft surface charging within geosynchronous orbit observed by the Van Allen Probes. <i>Space Weather</i> , 2016 , 14, 151-164	3.7	34
166	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Sciences Series of ISSI</i> , 2016 , 145-208	0.1	2

165	Modeling the Energetic Particles of the Inner Magnetosphere 2016 , 102-147		3
164	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Sciences Series of ISSI</i> , 2016 , 27-89	0.1	
163	Pressure and ion composition boundaries at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6417-6429	2.6	19
162	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8859-8870	2.6	29
161	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
160	Deep nightside photoelectron observations by MAVEN SWEA: Implications for Martian northern hemispheric magnetic topology and nightside ionosphere source. <i>Geophysical Research Letters</i> , 2016 , 43, 8876-8884	4.9	41
159	Ionospheric and Solar Wind Contributions to Magnetospheric Ion Density and Temperature throughout the Magnetotail. <i>Geophysical Monograph Series</i> , 2016 , 101-114	1.1	3
158	Mars nightside electrons over strong crustal fields. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3808-3823	2.6	24
157	Statistical analysis of the geomagnetic response to different solar wind drivers and the dependence on storm intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 310-327	2.6	28
156	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , 2015 , 192, 145-208	7.5	41
155	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Science Reviews</i> , 2015 , 192, 27-89	7.5	13
154	Comparative pick-up ion distributions at Mars and Venus: Consequences for atmospheric deposition and escape. <i>Planetary and Space Science</i> , 2015 , 115, 35-47	2	42
153	The two-way relationship between ionospheric outflow and the ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4338-4353	2.6	29
152	Comparison of different solar irradiance models for the superthermal electron transport model for Mars. <i>Planetary and Space Science</i> , 2015 , 119, 62-68	2	21
151	Enhanced carbon dioxide causing the dust storm-related increase in high-altitude photoelectron fluxes at Mars. <i>Geophysical Research Letters</i> , 2015 , 42, 9702-9710	4.9	19
150	Statistical storm time examination of MLT-dependent plasmopause location derived from IMAGE EUV. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5545-5559	2.6	23
149	Superthermal electron transport model for Mars. <i>Earth and Space Science</i> , 2015 , 2, 47-64	3.1	20
148	Testing the magnetotail configuration based on observations of low-altitude isotropic boundaries during quiet times. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,557	2.6	7

147	Can ring current stabilize magnetotail during steady magnetospheric convection?. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,528-10,542	2.6	1
146	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
145	Statistical analysis of storm-time near-Earth current systems. <i>Annales Geophysicae</i> , 2015 , 33, 965-982	2	10
144	Assessing the role of oxygen on ring current formation and evolution through numerical experiments. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4656-4668	2.6	12
143	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
142	Outflow in global magnetohydrodynamics as a function of a passive inner boundary source. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2691-2705	2.6	24
141	Contribution from different current systems to SYM and ASY midlatitude indices. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7243-7263	2.6	24
140	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5401-5448	2.6	18
139	Solar wind electron precipitation into the dayside Martian upper atmosphere through the cusps of strong crustal fields. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,100	2.6	26
138	Mars photoelectron energy and pitch angle dependence on intense lower atmospheric dust storms. <i>Journal of Geophysical Research E: Planets</i> , 2014 , 119, 1689-1706	4.1	11
137	Low-energy electrons (50 keV) in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 246-259	2.6	28
136	Test particle comparison of heavy atomic and molecular ion distributions at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2328-2344	2.6	18
135	Mars Express observations of high altitude planetary ion beams and their relation to the energetic plume loss channel. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9702-9713	2.6	13
134	Exploring the efficacy of different electric field models in driving a model of the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4621-4638	2.6	8
133	Parameterization of Ring Current Adiabatic Energization. <i>Geophysical Monograph Series</i> , 2013 , 215-229	1.1	3
132	Comparison of high-altitude production and ionospheric outflow contributions to O ⁺ loss at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4093-4107	2.6	8
131	Testing the Hypothesis That Charge Exchange Can Cause a Two-Phase Decay. <i>Geophysical Monograph Series</i> , 2013 , 211-225	1.1	14
130	Similarities and differences in low- to middle-latitude geomagnetic indices. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5149-5156	2.6	26

129	Evidence for potential and inductive convection during intense geomagnetic events using normalized superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 181-191	2.6	28
128	Time Scales for Localized Radiation Belt Injections to Become a Thin Shell. <i>Geophysical Monograph Series</i> , 2013 , 161-176	1.1	2
127	The impact of geocoronal density on ring current development. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 92-103	2	36
126	Magnetospheric cross-field currents during the January 6 th , 2011 high-speed stream-driven interval. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 78-84	2	11
125	Energetic neutral particles detection in the environment of Jupiter's icy moons: Ganymede and Europa neutral imaging experiment (GENIE). <i>Planetary and Space Science</i> , 2013 , 88, 53-63	2	4
124	Determining the Significance of Electrodynamical Coupling Between Superthermal Electrons and Thermal Plasma. <i>Geophysical Monograph Series</i> , 2013 , 343-348	1.1	
123	Transport of the plasma sheet electrons to the geostationary distances. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 82-98	2.6	53
122	The magnetospheric banana current. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1009-1021	2.6	25
121	Superthermal electron energy interchange in the ionosphere-plasmasphere system. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 925-934	2.6	7
120	Simulated kinetic effects of the corona and solar cycle on high altitude ion transport at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3700-3711	2.6	10
119	Earth's collision with a solar filament on 21 January 2005: Overview. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5967-5978	2.6	18
118	Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5616-5625	2.6	6
117	The influence of production mechanisms on pick-up ion loss at Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 554-569	2.6	30
116	Geometry of duskside equatorial current during magnetic storm main phase as deduced from magnetospheric and low-altitude observations. <i>Annales Geophysicae</i> , 2013 , 31, 395-408	2	16
115	Comparison of Photoelectron Theory Against Observations. <i>Geophysical Monograph Series</i> , 2013 , 333-341	1.1	
114	The importance of pickup oxygen ion precipitation to the Mars upper atmosphere under extreme solar wind conditions. <i>Geophysical Research Letters</i> , 2013 , 40, 1922-1927	4.9	38
113	Kinetic model of the inner magnetosphere with arbitrary magnetic field. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		17
112	Is the storm time response of the inner magnetospheric hot ions universally similar or driver dependent?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19

111	Pressure anisotropy in global magnetospheric simulations: A magnetohydrodynamics model. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		27
110	Time-history influence of global dust storms on the upper atmosphere at Mars. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	15
109	Inner magnetosphere currents during the CIR/HSS storm on July 21 st , 2009. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
108	Storm-time ring current: model-dependent results. <i>Annales Geophysicae</i> , 2012 , 30, 177-202	2	25
107	Testing the necessity of transient spikes in the storm time ring current drivers. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		4
106	Photoelectrons on closed crustal field lines at Mars. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
105	Relationship between sawtooth events and magnetic storms. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
104	Deciphering magnetospheric cross-field currents. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	20
103	Dayside midlatitude ionospheric response to storm time electric fields: A case study for 7 September 2002. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		20
102	Distortions of the magnetic field by storm-time current systems in Earth's magnetosphere. <i>Annales Geophysicae</i> , 2010 , 28, 123-140	2	39
101	CIR versus CME drivers of the ring current during intense magnetic storms. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 3305-3328	2.4	25
100	An investigation of the magnetosphere-ionosphere response to real and idealized co-rotating interaction region events through global magnetohydrodynamic simulations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2010 , 466, 3279-3303	2.4	20
99	The effect of smoothed solar wind inputs on global modeling results. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		20
98	Escape probability of Martian atmospheric ions: Controlling effects of the electromagnetic fields. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		29
97	Estimation of the escape of photoelectrons from Mars in 2004 liberated by the ionization of carbon dioxide and atomic oxygen. <i>Icarus</i> , 2010 , 206, 50-63	3.8	37
96	A comparison of global models for the solar wind interaction with Mars. <i>Icarus</i> , 2010 , 206, 139-151	3.8	92
95	On the effect of the martian crustal magnetic field on atmospheric erosion. <i>Icarus</i> , 2010 , 206, 130-138	3.8	48
94	Recent Progress in Physics-Based Models of the Plasmasphere. <i>Space Science Reviews</i> , 2009 , 145, 193-229.5		44

93	Integration of the radiation belt environment model into the space weather modeling framework. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 1653-1663	2	28
92	Self-consistent model of magnetospheric electric field, ring current, plasmasphere, and electromagnetic ion cyclotron waves: Initial results. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		22
91	Recent Progress in Physics-Based Models of the Plasmasphere 2009 , 193-229		12
90	Plasma properties of superstorms at geosynchronous orbit: How different are they?. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	17
89	Pickup oxygen ion velocity space and spatial distribution around Mars. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		68
88	Reply to Comment on "Unraveling the Causes of Radiation Belt Enhancements" <i>Eos</i> , 2008 , 89, 379-379	1.5	1
87	Influence of epoch time selection on the results of superposed epoch analysis using ACE and MPA data. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		24
86	Ring current simulations of the 90 intense storms during solar cycle 23. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		19
85	Statistical study of the subauroral polarization stream: Its dependence on the crosspolar cap potential and subauroral conductance. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		43
84	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. <i>Planetary and Space Science</i> , 2008 , 56, 802-806	2	44
83	Understanding storm-time ring current development through data-model comparisons of a moderate storm. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		46
82	Global 30-40 keV proton precipitation in the 17-18 April 2002 geomagnetic storms: 1. Patterns. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		22
81	Self-consistent model of magnetospheric ring current and propagating electromagnetic ion cyclotron waves: 2. Wave-induced ring current precipitation and thermal electron heating. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		24
80	Global 30-40 keV proton precipitation in the 17-18 April 2002 geomagnetic storms: 2. Conductances and beam spreading. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		13
79	Global 30-40 keV proton precipitation in the 17-18 April 2002 geomagnetic storms: 3. Impact on the ionosphere and thermosphere. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		11
78	Numerical modeling of the magnetic topology near Mars auroral observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	25
77	Mars Global MHD Predictions of Magnetic Connectivity Between the Dayside Ionosphere and the Magnetospheric Flanks. <i>Space Science Reviews</i> , 2007 , 126, 63-76	7.5	27
76	Locations of Atmospheric Photoelectron Energy Peaks Within the Mars Environment. <i>Space Science Reviews</i> , 2007 , 126, 389-402	7.5	72

75	Modeling the ring current response to a sawtooth oscillation event. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 67-76	2	9
74	Geospace activity dependence of cold, streaming ions in the near-Earth magnetotail. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 135-141	2	2
73	Locations of Atmospheric Photoelectron Energy Peaks Within the Mars Environment 2007 , 389-402		1
72	Mars Global MHD Predictions of Magnetic Connectivity between the Dayside ionosphere and the Magnetospheric Flanks 2007 , 63-76		5
71	A statistical comparison of solar wind sources of moderate and intense geomagnetic storms at solar minimum and maximum. <i>Journal of Geophysical Research</i> , 2006 , 111,		37
70	Geomagnetic storms driven by ICME- and CIR-dominated solar wind. <i>Journal of Geophysical Research</i> , 2006 , 111,		182
69	A statistical comparison of hot-ion properties at geosynchronous orbit during intense and moderate geomagnetic storms at solar maximum and minimum. <i>Journal of Geophysical Research</i> , 2006 , 111,		18
68	Evolution of the proton ring current energy distribution during 21-25 April 2001 storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		29
67	Analyzing electric field morphology through data-model comparisons of the Geospace Environment Modeling Inner Magnetosphere/Storm Assessment Challenge events. <i>Journal of Geophysical Research</i> , 2006 , 111,		34
66	Introduction to special section on Results of the National Science Foundation Geospace Environment Modeling Inner Magnetosphere/Storms Assessment Challenge <i>Journal of Geophysical Research</i> , 2006 , 111,		18
65	Numerical interpretation of high-altitude photoelectron observations. <i>Icarus</i> , 2006 , 182, 383-395	3.8	50
64	Reconciling prediction algorithms for Dst. <i>Journal of Geophysical Research</i> , 2005 , 110,		15
63	Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. <i>Journal of Geophysical Research</i> , 2005 , 110,		37
62	Occurrence statistics of cold, streaming ions in the near-Earth magnetotail: Survey of Polar-TIDE observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		12
61	Bulk plasma properties at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2005 , 110,		118
60	Origin and evolution of deep plasmaspheric notches. <i>Journal of Geophysical Research</i> , 2005 , 110,		64
59	Study of the proton arc spreading effect on primary ionization rates. <i>Journal of Geophysical Research</i> , 2005 , 110,		11
58	Parametric analysis of nightside conductance effects on inner magnetospheric dynamics for the 17 April 2002 storm. <i>Journal of Geophysical Research</i> , 2005 , 110,		60

57	Small-Scale Structure in the Stormtime Ring Current. <i>Geophysical Monograph Series</i> , 2005 , 167-177	1.1	11
56	Solar and Ionospheric Plasmas in the Ring Current Region. <i>Geophysical Monograph Series</i> , 2005 , 179-194	1.1	11
55	Magnetospheric convection electric field dynamics and stormtime particle energization: case study of the magnetic storm of 4 May 1998. <i>Annales Geophysicae</i> , 2004 , 22, 497-510	2	33
54	Nonlinear drift-kinetic equation in the presence of a circularly polarized wave. <i>Planetary and Space Science</i> , 2004 , 52, 945-951	2	3
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