

# M W Liemohn

## List of Publications by Citations

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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	Dominant role of the asymmetric ring current in producing the stormtime Dst*. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 10883-10904		243
217	Geomagnetic storms driven by ICME- and CIR-dominated solar wind. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		182
216	How Hospitable Are Space Weather Affected Habitable Zones? The Role of Ion Escape. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 836, L3	7.9	144
215	Analysis of early phase ring current recovery mechanisms during geomagnetic storms. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2845-2848	4.9	143
214	Bulk plasma properties at geosynchronous orbit. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		118
213	A model-derived storm time asymmetric ring current driven electric field description. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 2-1-SMP 2-12		109
212	Multistep Dst development and ring current composition changes during the 4 <sup>th</sup> June 1991 magnetic storm. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 33-1-SMP 33-22		95
211	A comparison of global models for the solar wind interaction with Mars. <i>Icarus</i> , <b>2010</b> , 206, 139-151	3.8	92
210	Ring Current Energy Input and Decay. <i>Space Science Reviews</i> , <b>2003</b> , 109, 105-131	7.5	92
209	Computational analysis of the near-Earth magnetospheric current system during two-phase decay storms. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 29531-29542		83
208	Intense space storms: Critical issues and open disputes. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		79
207	Martian low-altitude magnetic topology deduced from MAVEN/SWEA observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1831-1852	2.6	74
206	A statistical study of the geoeffectiveness of magnetic clouds during high solar activity years. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		74
205	Locations of Atmospheric Photoelectron Energy Peaks Within the Mars Environment. <i>Space Science Reviews</i> , <b>2007</b> , 126, 389-402	7.5	72
204	Dependence of plasmaspheric morphology on the electric field description during the recovery phase of the 17 April 2002 magnetic storm. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		72
203	Pickup oxygen ion velocity space and spatial distribution around Mars. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		68
202	Origin and evolution of deep plasmaspheric notches. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		64

201	Parametric analysis of nightside conductance effects on inner magnetospheric dynamics for the 17 April 2002 storm. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		60
200	First medium energy neutral atom (MENA) Images of Earth's magnetosphere during substorm and storm-time. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 1147-1150	4.9	58
199	Yet another caveat to using the Dessler-Parker-Sckopke relation. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		57
198	Photoelectron effects on the self-consistent potential in the collisionless polar wind. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 7509-7521		56
197	Transport of the plasma sheet electrons to the geostationary distances. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 82-98	2.6	53
196	Nonsteady state ionosphere-plasmasphere coupling of superthermal electrons. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 9669		53
195	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 1369-1402	2	51
194	Numerical interpretation of high-altitude photoelectron observations. <i>Icarus</i> , <b>2006</b> , 182, 383-395	3.8	50
193	On the effect of the martian crustal magnetic field on atmospheric erosion. <i>Icarus</i> , <b>2010</b> , 206, 130-138	3.8	48
192	Understanding storm-time ring current development through data-model comparisons of a moderate storm. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		46
191	Recent Progress in Physics-Based Models of the Plasmasphere. <i>Space Science Reviews</i> , <b>2009</b> , 145, 193-229.5		44
190	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. <i>Planetary and Space Science</i> , <b>2008</b> , 56, 802-806	2	44
189	Statistical study of the subauroral polarization stream: Its dependence on the crosspolar cap potential and subauroral conductance. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		43
188	Comparative pick-up ion distributions at Mars and Venus: Consequences for atmospheric deposition and escape. <i>Planetary and Space Science</i> , <b>2015</b> , 115, 35-47	2	42
187	The Earth: Plasma Sources, Losses, and Transport Processes. <i>Space Science Reviews</i> , <b>2015</b> , 192, 145-208	7.5	41
186	Deep nightside photoelectron observations by MAVEN SWEA: Implications for Martian northern hemispheric magnetic topology and nightside ionosphere source. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8876-8884	4.9	41
185	Distortions of the magnetic field by storm-time current systems in Earth's magnetosphere. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 123-140	2	39
184	The importance of pickup oxygen ion precipitation to the Mars upper atmosphere under extreme solar wind conditions. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1922-1927	4.9	38

183	Model Evaluation Guidelines for Geomagnetic Index Predictions. <i>Space Weather</i> , <b>2018</b> , 16, 2079-2102	3.7	38
182	Estimation of the escape of photoelectrons from Mars in 2004 liberated by the ionization of carbon dioxide and atomic oxygen. <i>Icarus</i> , <b>2010</b> , 206, 50-63	3.8	37
181	Plasma sheet and (nonstorm) ring current formation from solar and polar wind sources. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		37
180	A statistical comparison of solar wind sources of moderate and intense geomagnetic storms at solar minimum and maximum. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		37
179	The impact of geocoronal density on ring current development. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 99, 92-103	2	36
178	Non-steady-state transport of superthermal electrons in the plasmasphere. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2821-2824	4.9	36
177	Self-consistent magnetosphere-ionosphere coupling: Theoretical studies. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		35
176	Hot carbon densities in the exosphere of Mars. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 21565-21568		35
175	Spacecraft surface charging within geosynchronous orbit observed by the Van Allen Probes. <i>Space Weather</i> , <b>2016</b> , 14, 151-164	3.7	34
174	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> , <b>2006</b> , 111,		34
173	Current Systems in the Earth's Magnetosphere. <i>Reviews of Geophysics</i> , <b>2018</b> , 56, 309-332	23.1	33
172	Magnetospheric convection electric field dynamics and stormtime particle energization: case study of the magnetic storm of 4 May 1998. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 497-510	2	33
171	Self-consistent superthermal electron effects on plasmaspheric refilling. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 7523-7536		32
170	The influence of production mechanisms on pick-up ion loss at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 554-569	2.6	30
169	Comparisons of electron fluxes measured in the crustal fields at Mars by the MGS magnetometer/electron reflectometer instrument with a B field-dependent transport code. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		30
168	The two-way relationship between ionospheric outflow and the ring current. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4338-4353	2.6	29
167	Escape probability of Martian atmospheric ions: Controlling effects of the electromagnetic fields. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		29
166	Evolution of the proton ring current energy distribution during 21-25 April 2001 storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		29

165	Photoelectrons and solar ionizing radiation at Mars: Predictions versus MAVEN observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8859-8870	2.6	29
164	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> , <b>2015</b> , 120, 310-327	2.6	28
163	Low-energy electrons (580 keV) in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 246-259	2.6	28
162	Evidence for potential and inductive convection during intense geomagnetic events using normalized superposed epoch analysis. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 181-191	2.6	28
161	Integration of the radiation belt environment model into the space weather modeling framework. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 1653-1663	2	28
160	Generalized kinetic description of a plasma in an arbitrary field-aligned potential energy structure. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6871-6889		28
159	Pressure anisotropy in global magnetospheric simulations: A magnetohydrodynamics model. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		27
158	Mars Global MHD Predictions of Magnetic Connectivity Between the Dayside Ionosphere and the Magnetospheric Flanks. <i>Space Science Reviews</i> , <b>2007</b> , 126, 63-76	7.5	27
157	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> , <b>2014</b> , 119, 10,100	2.6	26
156	Similarities and differences in low- to middle-latitude geomagnetic indices. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 5149-5156	2.6	26
155	Consequences of a saturated convection electric field on the ring current. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 62-1-62-4	4.9	26
154	Interchange Injections at Saturn: Statistical Survey of Energetic H <sup>+</sup> Sudden Flux Intensifications. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 4692-4711	2.6	26
153	The magnetospheric banana current. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1009-1021	2.6	25
152	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> , <b>2010</b> , 466, 3305-3328	2.4	25
151	Storm-time ring current: model-dependent results. <i>Annales Geophysicae</i> , <b>2012</b> , 30, 177-202	2	25
150	Numerical modeling of the magnetic topology near Mars auroral observations. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	25
149	Outflow in global magnetohydrodynamics as a function of a passive inner boundary source. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2691-2705	2.6	24
148	Contribution from different current systems to SYM and ASY midlatitude indices. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7243-7263	2.6	24

147	Influence of epoch time selection on the results of superposed epoch analysis using ACE and MPA data. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		24
146	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> , <b>2007</b> , 112, n/a-n/a		24
145	Association of Low-Charge-State Heavy Ions up to 200 Re upstream of the Earth's bow shock with geomagnetic disturbances. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 3-1	4.9	24
144	Real-Time SWMF at CCMC: Assessing the Dst Output From Continuous Operational Simulations. <i>Space Weather</i> , <b>2018</b> , 16, 1583-1603	3.7	24
143	Mars nightside electrons over strong crustal fields. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3808-3823	2.6	24
142	Observations and Modeling of the Mars Low-Altitude Ionospheric Response to the 10 September 2017 X-Class Solar Flare. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7382-7390	4.9	23
141	Statistical storm time examination of MLT-dependent plasmopause location derived from IMAGE EUV. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5545-5559	2.6	23
140	Ring current heating of the thermal electrons at solar maximum. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 27767-27776		23
139	Space Weather Effects Produced by the Ring Current Particles. <i>Space Science Reviews</i> , <b>2017</b> , 212, 1315-1344	7.5	22
138	Self-consistent model of magnetospheric electric field, ring current, plasmasphere, and electromagnetic ion cyclotron waves: Initial results. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		22
137	Global 30-40 keV proton precipitation in the 17-18 April 2002 geomagnetic storms: 1. Patterns. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		22
136	Stormtime particle energization with high temporal resolution AMIE potentials. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		22
135	Lognormal form of the ring current energy content. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 871-886	2	22
134	Adiabatic energization in the ring current and its relation to other source and loss terms. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 4-1		22
133	Martian high-altitude photoelectrons independent of solar zenith angle. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 3767-3780	2.6	21
132	Comparison of different solar irradiance models for the superthermal electron transport model for Mars. <i>Planetary and Space Science</i> , <b>2015</b> , 119, 62-68	2	21
131	Collisionless plasma modeling in an arbitrary potential energy distribution. <i>Physics of Plasmas</i> , <b>1998</b> , 5, 580-589	2.1	21
130	Lower hybrid turbulence and ponderomotive force effects in space plasmas subjected to large-amplitude low-frequency waves. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 797-800	4.9	21

129	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> , <b>2016</b> , 121, 9250-9255	2.6	20
128	Superthermal electron transport model for Mars. <i>Earth and Space Science</i> , <b>2015</b> , 2, 47-64	3.1	20
127	Deciphering magnetospheric cross-field currents. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	20
126	Dayside midlatitude ionospheric response to storm time electric fields: A case study for 7 September 2002. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		20
125	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> , <b>2010</b> , 466, 3279-3303	2.4	20
124	The effect of smoothed solar wind inputs on global modeling results. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		20
123	The plasmasphere and advances in plasmaspheric research. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2000</b> , 62, 1647-1657	2	20
122	Enhanced carbon dioxide causing the dust storm-related increase in high-altitude photoelectron fluxes at Mars. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9702-9710	4.9	19
121	Is the storm time response of the inner magnetospheric hot ions universally similar or driver dependent?. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		19
120	Ring current simulations of the 90 intense storms during solar cycle 23. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		19
119	Banded electron structure formation in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 877-880	4.9	19
118	Global, collisional model of high-energy photoelectrons. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 331-334	4.9	19
117	Pressure and ion composition boundaries at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6417-6429	2.6	19
116	Solar filament impact on 21 January 2005: Geospace consequences. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 5401-5448	2.6	18
115	Test particle comparison of heavy atomic and molecular ion distributions at Mars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2328-2344	2.6	18
114	Earth's collision with a solar filament on 21 January 2005: Overview. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 5967-5978	2.6	18
113	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> , <b>2006</b> , 111,		18
112	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> , <b>2006</b> , 111,		18

111	Quantification of the spreading effect of auroral proton precipitation. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		18
110	Nonlinear kinetic modeling of early stage plasmaspheric refilling. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 10295-10306		18
109	Kinetic model of the inner magnetosphere with arbitrary magnetic field. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		17
108	Guided plasmaspheric hiss interactions with superthermal electrons: 1. Resonance curves and timescales. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 11619-11623		17
107	Plasma properties of superstorms at geosynchronous orbit: How different are they?. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	17
106	Inner magnetospheric superthermal electron transport: Photoelectron and plasma sheet electron sources. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 23485-23501		17
105	A new solar wind-driven global dynamic plasmopause model: 2. Model and validation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7172-7187	2.6	16
104	Photoelectrons in the quiet polar wind. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 6708-6726	2.6	16
103	Geometry of duskside equatorial current during magnetic storm main phase as deduced from magnetospheric and low-altitude observations. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 395-408	2	16
102	Lower hybrid oscillations in multicomponent space plasmas subjected to ion cyclotron waves. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 175-184		16
101	Time-history influence of global dust storms on the upper atmosphere at Mars. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	15
100	Reconciling prediction algorithms for Dst. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		15
99	The ionospheric source of magnetospheric plasma is not a black box input for global models. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5559-5565	2.6	14
98	Testing the Hypothesis That Charge Exchange Can Cause a Two-Phase Decay. <i>Geophysical Monograph Series</i> , <b>2013</b> , 211-225	1.1	14
97	Postmidnight depletion of the high-energy tail of the quiet plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1646-1660	2.6	14
96	Inner magnetosphere currents during the CIR/HSS storm on July 21 <sup>st</sup> , 2009. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		14
95	Comment on Nonlinear response of the polar ionosphere to large values of the interplanetary electric field by C. T. Russell et al.. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SIA 13-1-SIA 13-4		14
94	Recommendations for Next-Generation Ground Magnetic Perturbation Validation. <i>Space Weather</i> , <b>2018</b> , 16, 1912-1920	3.7	14



93	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> , <b>2019</b> , 17, 687-708	3.7	13
92	A Review of General Physical and Chemical Processes Related to Plasma Sources and Losses for Solar System Magnetospheres. <i>Space Science Reviews</i> , <b>2015</b> , 192, 27-89	7.5	13
91	Challenges associated with near-Earth nightside current. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6763-6768	2.6	13
90	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> , <b>2014</b> , 119, 9702-9713	2.6	13
89	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> , <b>2007</b> , 112, n/a-n/a		13
88	The Relationship of Storms and Substorms Determined from Mid-Latitude Ground-Based Magnetic Maps. <i>Geophysical Monograph Series</i> , <b>2003</b> , 143-157	1.1	13
87	Local time asymmetries and toroidal field line resonances: Global magnetospheric modeling in SWMF. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2033-2045	2.6	13
86	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> , <b>2018</b> , 123, 6639-6654	2.6	13
85	Ionospheric control of the dawn-dusk asymmetry of the Mars magnetotail current sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 6397-6414	2.6	12
84	Assessing the role of oxygen on ring current formation and evolution through numerical experiments. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4656-4668	2.6	12
83	Occurrence statistics of cold, streaming ions in the near-Earth magnetotail: Survey of Polar-TIDE observations. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		12
82	Recent Progress in Physics-Based Models of the Plasmasphere <b>2009</b> , 193-229		12
81	The effect of ring current electron scattering rates on magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 4168-4189	2.6	11
80	Mars photoelectron energy and pitch angle dependence on intense lower atmospheric dust storms. <i>Journal of Geophysical Research E: Planets</i> , <b>2014</b> , 119, 1689-1706	4.1	11
79	Magnetospheric cross-field currents during the January 6 <sup>th</sup> , 2011 high-speed stream-driven interval. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 99, 78-84	2	11
78	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> , <b>2017</b> , 122, 2260-2271	2.6	11
77	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> , <b>2007</b> , 112, n/a-n/a		11
76	Study of the proton arc spreading effect on primary ionization rates. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		11

75	Small-Scale Structure in the Stormtime Ring Current. <i>Geophysical Monograph Series</i> , <b>2005</b> , 167-177	1.1	11
74	Solar and Ionospheric Plasmas in the Ring Current Region. <i>Geophysical Monograph Series</i> , <b>2005</b> , 179-194	1.1	11
73	Relativistic electron beam propagation in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 28587-28599		11
72	Interhemispheric transport of relativistic electron beams. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 581-584	4.9	11
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