

Tuija I Pulkkinen

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239
papers

6,931
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42
h-index

72
g-index

268
ext. papers

7,472
ext. citations

3.4
avg, IF

5.53
L-index

#	Paper	IF	Citations
239	Neutral line model of substorms: Past results and present view. <i>Journal of Geophysical Research</i> , 1996 , 101, 12975-13010		737
238	Steady magnetospheric convection: A review of recent results. <i>Space Science Reviews</i> , 1996 , 75, 551-604	7.4	195
237	Coronal mass ejections and their sheath regions in interplanetary space. <i>Living Reviews in Solar Physics</i> , 2017 , 14, 5	24.8	155
236	Evaluation of the tail current contribution to Dst. <i>Journal of Geophysical Research</i> , 2000 , 105, 5431-5439		150
235	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015 , 190, 1-46	7.4	141
234	Coronal mass ejections, magnetic clouds, and relativistic magnetospheric electron events: ISTP. <i>Journal of Geophysical Research</i> , 1998 , 103, 17279-17291		133
233	Space Weather: Terrestrial Perspective. <i>Living Reviews in Solar Physics</i> , 2007 , 4, 1	24.8	127
232	Growth-phase thinning of the near-Earth current sheet during the CDAW 6 substorm. <i>Journal of Geophysical Research</i> , 1994 , 99, 5805		127
231	Pseudobreakup and substorm growth phase in the ionosphere and magnetosphere. <i>Journal of Geophysical Research</i> , 1993 , 98, 5801-5813		123
230	A strong CME-related magnetic cloud interaction with the Earth's Magnetosphere: ISTP observations of rapid relativistic electron acceleration on May 15, 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2975-2978	4.8	105
229	Modeling the growth phase of a substorm using the Tsyganenko Model and multi-spacecraft observations: CDAW-9. <i>Geophysical Research Letters</i> , 1991 , 18, 1963-1966	4.8	101
228	Substorm energy budget during low and high solar activity: 1997 and 1999 compared. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 15-1		99
227	Coupled-mode scenario for the magnetospheric dynamics. <i>Journal of Geophysical Research</i> , 1996 , 101, 13047-13065		96
226	Supermagnetosonic jets behind a collisionless quasiparallel shock. <i>Physical Review Letters</i> , 2009 , 103, 245001	7.3	95
225	Particle scattering and current sheet stability in the geomagnetic tail during the substorm growth phase. <i>Journal of Geophysical Research</i> , 1992 , 97, 19283		88
224	Stormtime energy transfer in global MHD simulation. <i>Journal of Geophysical Research</i> , 2003 , 108,		85
223	MHD simulation of the magnetotail during the December 10, 1996, substorm. <i>Journal of Geophysical Research</i> , 2000 , 105, 27649-27663		84

222	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007 , 25, 801-814	1.9	82
221	A quantitative assessment of energy storage and release in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 1997 , 102, 7159-7168		79
220	The GUMICS-4 global MHD magnetosphere-ionosphere coupling simulation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012 , 80, 48-59	2	76
219	Energy content in the storm time ring current. <i>Journal of Geophysical Research</i> , 2001 , 106, 19149-19156		72
218	CDAW 9 analysis of magnetospheric events on May 3, 1986: Event C. <i>Journal of Geophysical Research</i> , 1993 , 98, 3815-3834		71
217	Thin current sheets in the magnetotail during substorms: CDAW 6 revisited. <i>Journal of Geophysical Research</i> , 1994 , 99, 5793		71
216	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , 2015 , 42, 3076-3084	4.8	70
215	Ionospheric current signatures of transient plasma sheet flows. <i>Journal of Geophysical Research</i> , 2000 , 105, 10677-10690		68
214	Role of substorm-associated impulsive electric fields in the ring current development during storms. <i>Annales Geophysicae</i> , 2005 , 23, 579-591	1.9	62
213	Magnetosphere preconditioning under northward IMF: Evidence from the study of coronal mass ejection and corotating interaction region geoeffectiveness. <i>Journal of Geophysical Research</i> , 2006 , 111,		60
212	Hybrid state of the tail magnetic configuration during steady convection events. <i>Journal of Geophysical Research</i> , 1994 , 99, 23571		57
211	MHD drift ballooning instability near the inner edge of the near-Earth plasma sheet and its application to substorm onset. <i>Journal of Geophysical Research</i> , 1997 , 102, 14397-14406		56
210	Hybrid Input Algorithm: An event-oriented magnetospheric model. <i>Journal of Geophysical Research</i> , 1999 , 104, 24977-24993		55
209	Magnetospheric substorms are strongly modulated by interplanetary high-speed streams. <i>Geophysical Research Letters</i> , 2005 , 32,	4.8	52
208	Differences in geomagnetic storms driven by magnetic clouds and ICME sheath regions. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	51
207	At substorm onset, 40% of AL comes from underground. <i>Journal of Geophysical Research</i> , 2001 , 106, 13119-13134		51
206	Pseudobreakup and substorm onset: Observations and MHD simulations compared. <i>Journal of Geophysical Research</i> , 1998 , 103, 14847-14854		50
205	Equinoctial and solstitial averages of magnetospheric relativistic electrons: A strong semiannual modulation. <i>Geophysical Research Letters</i> , 1999 , 26, 3193-3196	4.8	50

204	Two substorm intensifications compared: Onset, expansion, and global consequences. <i>Journal of Geophysical Research</i> , 1998 , 103, 15-27		49
203	Long-term evolution of magnetospheric current systems during storms. <i>Annales Geophysicae</i> , 2004 , 22, 1317-1334	1.9	49
202	Loading-unloading processes in the nightside ionosphere. <i>Geophysical Research Letters</i> , 2000 , 27, 1627-1630	1.8	49
201	Ballooning instability in the presence of a plasma flow: A synthesis of tail reconnection and current disruption models for the initiation of substorms. <i>Journal of Geophysical Research</i> , 1999 , 104, 10235-10248		49
200	Formation of intense nose structures. <i>Geophysical Research Letters</i> , 2001 , 28, 491-494	4.8	48
199	Continuous reconnection line and pressure-dependent energy conversion on the magnetopause in a global MHD model. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		47
198	Substorms: A global instability of the magnetosphere-ionosphere system. <i>Journal of Geophysical Research</i> , 1999 , 104, 14601-14611		45
197	Recovery phase of magnetospheric substorms and its association with morning-sector aurora. <i>Journal of Geophysical Research</i> , 1994 , 99, 4115		42
196	Comparative statistical analysis of storm time activations and sawtooth events. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		41
195	Evidence of near-Earth breakup location. <i>Geophysical Research Letters</i> , 2003 , 30,	4.8	40
194	Thin current sheets in the deep geomagnetic tail. <i>Geophysical Research Letters</i> , 1993 , 20, 2427-2430	4.8	40
193	Relation between the ring current and the tail current during magnetic storms. <i>Annales Geophysicae</i> , 2005 , 23, 523-533	1.9	39
192	April 2000 magnetic storm: Solar wind driver and magnetospheric response. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 15-1-SMP 15-21		39
191	Ring current ion composition during solar minimum and rising solar activity: Polar/CAMMICE/MICS results. <i>Journal of Geophysical Research</i> , 2001 , 106, 19131-19147		39
190	Assessment of ionospheric Joule heating by GUMICS-4 MHD simulation, AMIE, and satellite-based statistics: towards a synthesis. <i>Annales Geophysicae</i> , 2005 , 23, 2051-2068	1.9	38
189	Entry of plasma sheet particles into the inner magnetosphere as observed by Polar/CAMMICE. <i>Journal of Geophysical Research</i> , 2000 , 105, 25205-25219		38
188	Size of the auroral oval: UV ovals and precipitation boundaries compared. <i>Journal of Geophysical Research</i> , 1999 , 104, 2321-2331		38
187	Ionospheric energy input as a function of solar wind parameters: global MHD simulation results. <i>Annales Geophysicae</i> , 2004 , 22, 549-566	1.9	37

186	Effects of induced currents on Dst and on magnetic variations at midlatitude stations. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 7-1		37
185	Observations of Substorm Electrodynamics Using the Miracle Network. <i>Astrophysics and Space Science Library</i> , 1998 , 111-114	0.3	37
184	From space weather toward space climate time scales: Substorm analysis from 1993 to 2008. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
183	Magnetospheric current systems during stormtime sawtooth events. <i>Journal of Geophysical Research</i> , 2006 , 111,		35
182	Midnight velocity shear zone and the concept of Harang discontinuity. <i>Journal of Geophysical Research</i> , 1995 , 100, 9539		35
181	Magnetospheric field and current distributions during the substorm recovery phase. <i>Journal of Geophysical Research</i> , 1994 , 99, 10955		34
180	A statistical study of magnetic field fluctuations in the dayside magnetosheath and their dependence on upstream solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6231-6248	2.5	33
179	Compression of the Earth's magnetotail by interplanetary shocks directly drives transient magnetic flux closure. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.8	33
178	A statistical study of the dawn-dusk asymmetry of ion temperature anisotropy and mirror mode occurrence in the terrestrial dayside magnetosheath using THEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5489-5503	2.5	30
177	On the characterization of magnetic reconnection in global MHD simulations. <i>Annales Geophysicae</i> , 2006 , 24, 3059-3069	1.9	30
176	The global efficiency of relativistic electron production in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 19169-19178		30
175	The SunEarth Connection in Time Scales from Years to Decades and Centuries. <i>Space Science Reviews</i> , 2001 , 95, 625-637	7.4	30
174	Plasma sheet ion injections into the auroral bulge: Correlative study of spacecraft and ground observations. <i>Journal of Geophysical Research</i> , 2000 , 105, 18465-18481		30
173	A study of magnetic field and current configurations in the magnetotail at the time of a substorm onset. <i>Planetary and Space Science</i> , 1991 , 39, 833-845	2	30
172	A statistical study into the spatial distribution and dawn-dusk asymmetry of dayside magnetosheath ion temperatures as a function of upstream solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2767-2782	2.5	29
171	Evolution of the proton ring current energy distribution during 21-25 April 2001 storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		29
170	Role of solar wind dynamic pressure in driving ionospheric Joule heating. <i>Journal of Geophysical Research</i> , 2004 , 109,		29
169	Modeling the ring current magnetic field during storms. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 3-1		29

168	Magnetopause energy and mass transfer: results from a global MHD simulation. <i>Annales Geophysicae</i> , 2006 , 24, 3467-3480	1.9	28
167	Location of high-altitude cusp during steady solar wind conditions. <i>Journal of Geophysical Research</i> , 2001 , 106, 21109-21122		28
166	Cusp and magnetopause locations in global MHD simulation. <i>Journal of Geophysical Research</i> , 2001 , 106, 29435-29450		28
165	Simultaneous observation of the poleward expansion of substorm electrojet activity and the tailward expansion of current sheet disruption in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 1993 , 98, 9285		28
164	Energy transport and dissipation in the magnetosphere during geomagnetic storms. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2001 , 63, 421-429	2	26
163	What can we tell about global auroral-electrojet activity from a single meridional magnetometer chain?. <i>Annales Geophysicae</i> , 1996 , 14, 1177-1185	1.9	26
162	Changes in solar wind-magnetosphere coupling with solar cycle, season, and time relative to stream interfaces. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 99, 1-13	2	25
161	Storm-time ring current: model-dependent results. <i>Annales Geophysicae</i> , 2012 , 30, 177-202	1.9	25
160	Testing the accuracy of magnetospheric model field line mapping. <i>Journal of Geophysical Research</i> , 1996 , 101, 27431-27442		25
159	Auroral electrojets during deep solar minimum at the end of solar cycle 23. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		24
158	Seasonal and diurnal variation of geomagnetic activity: Revised Dst versus external drivers. <i>Journal of Geophysical Research</i> , 2003 , 108,		24
157	Coordinated Cluster and ground-based instrument observations of transient changes in the magnetopause boundary layer during an interval of predominantly northward IMF: relation to reconnection pulses and FTE signatures. <i>Annales Geophysicae</i> , 2001 , 19, 1613-1640	1.9	24
156	What can we tell about global auroral-electrojet activity from a single meridional magnetometer chain?. <i>Annales Geophysicae</i> , 1996 , 14, 1177	1.9	23
155	Solar wind-magnetosphere coupling efficiency during ejecta and sheath-driven geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4378-4396	2.5	22
154	The impact of solar wind ULF Bz fluctuations on geomagnetic activity for viscous timescales during strongly northward and southward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9307-9322	2.5	22
153	Statistical survey on sawtooth events, SMCs and isolated substorms. <i>Advances in Space Research</i> , 2009 , 44, 376-384	2.3	22
152	Magnetospheric convection during intermediate driving: Sawtooth events and steady convection intervals as seen in Lyon-Fedder-Mobarry global MHD simulations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		22
151	Solar wind-magnetosphere coupling: A review of recent results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 256-264	2	22

150	Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. <i>Annales Geophysicae</i> , 2005 , 23, 2183-2198	1.9	22
149	Tail reconnection in the global magnetospheric context: Vlasiator first results. <i>Annales Geophysicae</i> , 2017 , 35, 1269-1274	1.9	20
148	Reexamination of driven and unloading aspects of magnetospheric substorms. <i>Journal of Geophysical Research</i> , 1997 , 102, 7169-7177		20
147	Shock propagation in the magnetosphere: Observations and MHD simulations compared. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		20
146	A Possible Interpretation of Cold Ion Beams in the Earth's Tail Lobe. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 699-710		20
145	Comets in full sky L_{α} maps of the SWAN instrument. <i>Astronomy and Astrophysics</i> , 2001 , 368, 292-297	5	20
144	Solar wind electric field driving of magnetospheric activity: Is it velocity or magnetic field?. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	19
143	Stationary Nose Structures of Protons in the Inner Magnetosphere: Observations by the ION Instrument onboard the Interball-2 Satellite and Modeling. <i>Cosmic Research</i> , 2003 , 41, 3-12	0.6	19
142	Proton isotropy boundaries as measured on mid- and low-altitude satellites. <i>Annales Geophysicae</i> , 2005 , 23, 1839-1847	1.9	19
141	Solar cycle correlations of substorm and auroral occurrence frequency. <i>Geophysical Research Letters</i> , 1998 , 25, 3087-3090	4.8	19
140	Direct evidence of nonstationary collisionless shocks in space plasmas. <i>Science Advances</i> , 2019 , 5, eaau9926	9.26	18
139	Magnetosheath control of solar wind-magnetosphere coupling efficiency. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8728-8739	2.5	18
138	MLT and seasonal dependence of auroral electrojets: IMAGE magnetometer network observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3179-3188	2.5	18
137	Magnetospheric modes and solar wind energy coupling efficiency. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		18
136	Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		18
135	Energy dissipation during a geomagnetic storm: May 1998. <i>Advances in Space Research</i> , 2002 , 30, 2231-2240	4.0	18
134	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001 , 19, 1589-1612	1.9	18
133	Spatial extent and dynamics of a thin current sheet during the substorm growth phase on December 10, 1996. <i>Journal of Geophysical Research</i> , 1999 , 104, 28475-28490		18

132	Signatures of the substorm recovery phase at high-altitude spacecraft. <i>Journal of Geophysical Research</i> , 1994 , 99, 10967		18
131	ON THE CONNECTION BETWEEN MICROBURSTS AND NONLINEAR ELECTRONIC STRUCTURES IN PLANETARY RADIATION BELTS. <i>Astrophysical Journal</i> , 2016 , 816, 51	4.7	17
130	Auroral precipitation fading before and at substorm onset: ionospheric and geostationary signatures. <i>Annales Geophysicae</i> , 1997 , 15, 967-983	1.9	17
129	Different magnetospheric modes: solar wind driving and coupling efficiency. <i>Annales Geophysicae</i> , 2009 , 27, 4281-4291	1.9	17
128	What drives magnetospheric activity under northward IMF conditions?. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	17
127	Hysteresis in solar wind power input to the magnetosphere. <i>Geophysical Research Letters</i> , 2006 , 33,	4.8	17
126	Mapping of the auroral oval and individual arcs during substorms. <i>Journal of Geophysical Research</i> , 1995 , 100, 21987-21994		17
125	Universal properties of mirror mode turbulence in the Earth's magnetosheath. <i>Geophysical Research Letters</i> , 2015 , 42, 3085-3092	4.8	16
124	Satellite and ground-based observations of a fading transpolar arc. <i>Journal of Geophysical Research</i> , 1990 , 95, 5817		16
123	Contribution of magnetotail reconnection to the cross-polar cap electric potential drop. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		15
122	Energy conversion at the Earth's magnetopause using single and multispacecraft methods. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		15
121	Magnetospheric currents during sawtooth events: Event-oriented magnetic field model analysis. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		15
120	Statistical study of auroral spirals. <i>Journal of Geophysical Research</i> , 2001 , 106, 15415-15428		15
119	Near-Earth substorm onset: A coordinated study. <i>Geophysical Research Letters</i> , 1994 , 21, 1875-1878	4.8	15
118	Changes in the response of the AL Index with solar cycle and epoch within a corotating interaction region. <i>Annales Geophysicae</i> , 2009 , 27, 3165-3178	1.9	15
117	Statistical analysis of mirror mode waves in sheath regions driven by interplanetary coronal mass ejection. <i>Annales Geophysicae</i> , 2018 , 36, 793-808	1.9	15
116	Testing the Hypothesis That Charge Exchange Can Cause a Two-Phase Decay. <i>Geophysical Monograph Series</i> , 2013 , 211-225	1.1	14
115	The Earthward Edge of the Plasma Sheet in Magnetospheric Substorms. <i>Geophysical Monograph Series</i> , 2013 , 147-160	1.1	14

114	New interpretation of magnetospheric energy circulation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.8	14
113	Injection of Energetic Ions During the 31 March 0630 Substorm. <i>Geophysical Monograph Series</i> , 2005 , 147-154	1.1	14
112	Magnetospheric feedback in solar wind energy transfer. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		13
111	On large plasmoid formation in a global magnetohydrodynamic simulation. <i>Annales Geophysicae</i> , 2011 , 29, 167-179	1.9	13
110	Solar wind-magnetosphere coupling during an isolated substorm event: A multispacecraft ISTP study. <i>Geophysical Research Letters</i> , 1997 , 24, 983-986	4.8	13
109	Mapping of the ionospheric field-aligned currents to the equatorial magnetosphere. <i>Journal of Geophysical Research</i> , 1997 , 102, 14467-14476		13
108	First results from the plasma composition spectrometer PROMICS-3 in the Interball project. <i>Annales Geophysicae</i> , 1997 , 15, 542-552	1.9	13
107	Particle Acceleration in the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 2005 , 73-85	1.1	13
106	The magnetotail reconnection region in a global MHD simulation. <i>Annales Geophysicae</i> , 2005 , 23, 3753-3764	1.6	13
105	Discovery of a comet by its Lyman-alpha emission. <i>Nature</i> , 2000 , 405, 321-2	47.5	13
104	Thin current sheet evolution as seen in observations, empirical models and MHD simulations. <i>Geophysical Research Letters</i> , 2000 , 27, 1363-1366	4.8	13
103	Dispersive magnetosheath-like ion injections in the evening sector on January 11, 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2569-2572	4.8	13
102	The role of photoemission in the coupling of the Mercury surface and magnetosphere. <i>Planetary and Space Science</i> , 1999 , 47, 1459-1463	2	13
101	Mapping of auroral arcs during substorm growth phase. <i>Journal of Geophysical Research</i> , 1991 , 96, 21087		13
100	Auroral Signatures of Substorm Recovery Phase: A Case Study. <i>Geophysical Monograph Series</i> , 2013 , 333-341		12
99	Solar wind-magnetosphere coupling efficiency for solar wind pressure impulses. <i>Geophysical Research Letters</i> , 2007 , 34,	4.8	12
98	A pseudo-breakup observation: Localized current wedge across the postmidnight auroral oval. <i>Journal of Geophysical Research</i> , 2003 , 108, SIA 4-1		12
97	Auroral observations in Finland: Results from all-sky cameras, 1973-1997. <i>Journal of Geophysical Research</i> , 2001 , 106, 8109-8118		12

96	Comparison of empirical magnetic field models and global MHD simulations: The near-tail currents. <i>Geophysical Research Letters</i> , 1995 , 22, 675-678	4.8	12
95	A Model for the Distant Tail Field: ISEE 3 Revisited. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 455-471		12
94	Ultra-low-frequency waves in the ion foreshock of Mercury: a global hybrid modelling study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 4147-4161	4.3	12
93	Statistical mapping of ULF Pc3 velocity fluctuations in the Earth's dayside magnetosheath as a function of solar wind conditions. <i>Advances in Space Research</i> , 2016 , 58, 196-207	2.3	12
92	Propagation of a shock-related disturbance in the Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		11
91	Sources, Transport, and Losses of Energetic Particles During Geomagnetic Storms. <i>Geophysical Monograph Series</i> , 2005 , 9-21	1.1	11
90	Solar wind control of magnetospheric energy content: Substorm quenching and multiple onsets. <i>Journal of Geophysical Research</i> , 2000 , 105, 5335-5356		11
89	Multi-Spacecraft Study of a Substorm Growth and Expansion Phase Features Using a Time-Evolving Field Model. <i>Geophysical Monograph Series</i> , 1994 , 101-110	1.1	11
88	Outer Van Allen Radiation Belt Response to Interacting Interplanetary Coronal Mass Ejections. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1927-1947	2.5	10
87	Mapping between the ionospheric and the tail electric fields in a time-dependent Earth's magnetosphere. <i>Journal of Geophysical Research</i> , 1998 , 103, 9153-9164		10
86	A statistical study of evening sector arcs and electrojets. <i>Advances in Space Research</i> , 2001 , 28, 1605-1610	2.3	10
85	A search engine for auroral forms. <i>Advances in Space Research</i> , 2001 , 28, 1611-1616	2.3	10
84	What sustained multi-disciplinary research can achieve: The space weather modeling framework. <i>Journal of Space Weather and Space Climate</i> , 2021 , 11, 42	2.4	10
83	Alfvén Ion Cyclotron Waves in Sheath Regions Driven by Interplanetary Coronal Mass Ejections. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3893-3909	2.5	9
82	Solar wind energy input to the magnetosheath and at the magnetopause. <i>Geophysical Research Letters</i> , 2015 , 42, 4723-4730	4.8	9
81	A study of inverted-V auroral acceleration mechanisms using Polar/Fast Auroral Snapshot conjunctions. <i>Journal of Geophysical Research</i> , 2001 , 106, 18995-19011		9
80	CUTLASS HF radar observations of high-velocity E-region echoes. <i>Annales Geophysicae</i> , 2001 , 19, 411-424	1.9	9
79	Coupling of Inner Tail and Midtail Processes. <i>Astrophysics and Space Science Library</i> , 1998 , 749-754	0.3	9

78	The dawn-dusk asymmetry of ion density in the dayside magnetosheath and its annual variability measured by THEMIS. <i>Annales Geophysicae</i> , 2016 , 34, 511-528	1.9	9
77	Plasma sheet magnetic fields and flows during steady magnetospheric convection events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6136-6144	2.5	8
76	Temperature variations in the dayside magnetosheath and their dependence on ion-scale magnetic structures: THEMIS statistics and measurements by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6165-6184	2.5	8
75	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012 , 33, 445-489	1.3	8
74	Energy as a tracer of magnetospheric processes: GUMICS-4 global MHD results and observations compared. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 687-707	2	8
73	Particle tracing in the Earth's magnetosphere and the ring current formation during storm times. <i>Advances in Space Research</i> , 2002 , 30, 1817-1820	2.3	8
72	Mesoscale ionospheric electrodynamics observed with the MIRACLE network: 1. Analysis of a pseudobreakup spiral. <i>Journal of Geophysical Research</i> , 2001 , 106, 24675-24690		8
71	Collective phenomena in the inner magnetosphere. <i>Physics of Plasmas</i> , 1999 , 6, 4195-4199	2	8
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