

Shin Ohtani

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.

212
papers

5,378
citations

42
h-index

60
g-index

220
ext. papers

5,752
ext. citations

2.7
avg, IF

5.35
L-index

#	Paper	IF	Citations
212	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
211	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
210	Globally Correlated Ground Magnetic Disturbances During Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028599	2.6	3
209	Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028883	2.6	1
208	Superposed Epoch Analysis of Dispersionless Particle Injections Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029546	2.6	2
207	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
206	Revisiting the Partial Ring Current Model: Longitudinal Asymmetry of Ground Magnetic Depression During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029643	2.6	0
205	Pitch Angle Dependence of Electron and Ion Flux Changes During Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027543	2.6	3
204	Formation of a 3-D Oscillatory Current System Associated With Global High-Correlation Pi 2 Event: A Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA026988	2.6	3
203	Ballooning-Interchange Instability in the Near-Earth Plasma Sheet and Auroral Beads: Global Magnetospheric Modeling at the Limit of the MHD Approximation. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088227	4.9	30
202	Is the Substorm Current Wedge an Ensemble of Wedgelets?: Revisit to Midlatitude Positive Bays. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027902	2.6	11
201	Dynamic Properties of Particle Injections Inside Geosynchronous Orbit: A Multisatellite Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028215	2.6	1
200	Generalized Substorm Current Wedge Model: Two Types of Dipolarizations in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027890	2.6	2
199	Global Empirical Picture of Magnetospheric Substorms Inferred From Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1085-1110	2.6	23
198	Solar Illumination Dependence of the Auroral Electrojet Intensity: Interplay Between the Solar Zenith Angle and Dipole Tilt. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6636-6653	2.6	3
197	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
196	Signatures of Nonideal Plasma Evolution During Substorms Obtained by Mining Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8427-8456	2.6	15

195	Substorm Energy Transport From the Magnetotail to the Nightside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8669-8684	2.6	7
194	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 405-419	2.6	18
193	Nightside Magnetosphere-Ionosphere Current Circuit: Implications for Auroral Streamers and Pi2 Pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 350-363	2.6	4
192	Spatial Development of the Dipolarization Region in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5452-5463	2.6	17
191	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5420-5434	2.6	11
190	Longitudinal Development of Poleward Boundary Intensifications (PBIs) of Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9005-9021	2.6	5
189	Dawnside Wedge Current System Formed During Intense Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9093-9109	2.6	6
188	Dominance of high-energy (>150 keV) heavy ion intensities in Earth's middle to outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9282-9293	2.6	14
187	Equatorial magnetic field of the near-Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8462-8478	2.6	11
186	Application of a global magnetospheric-ionospheric current model for dayside and terminator Pi2 pulsations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8589-8603	2.6	6
185	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2715-2726	2.6	34
184	Solar terminator effects on middle- to low-latitude Pi2 pulsations. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	6
183	Initial deflection of middle-latitude Pi2 pulsations in the premidnight sector: Remote detection of oscillatory upward field-aligned current at substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6324-6340	2.6	3
182	The Harang reversal and the interchange stability of the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3278-3292	2.6	6
181	The initiation of the poleward boundary intensification of auroral emission by fast polar cap flows: A new interpretation based on ionospheric polarization. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,910-10,928	2.6	7
180	Void structure of O ⁺ ions in the inner magnetosphere observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,698-11,713	2.6	4
179	Pi2 pulsations observed around the dawn terminator. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2088-2098	2.6	8
178	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate space-ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8707-8722	2.6	18

177	High-resolution global magnetohydrodynamic simulation of bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4555-4566	2.6	76
176	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , 2015 , 42, 7248-7254	4.9	26
175	On the field-aligned electric field in the polar cap. <i>Geophysical Research Letters</i> , 2015 , 42, 5090-5099	4.9	11
174	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
173	On a possible connection between the longitudinally propagating near-Earth plasma sheet and auroral arc waves: A reexamination. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 432-444	2.6	5
172	Responses of different ion species to fast plasma flows and local dipolarization in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 187-200	2.6	8
171	Spatial structure and temporal evolution of energetic particle injections in the inner magnetosphere during the 14 July 2013 substorm event. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1924-1938	2.6	39
170	Interrelationship between preonset auroral and magnetic signatures at a geomagnetically conjugate Iceland-Syowa pair. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 761-769	2.6	3
169	Field-aligned currents during the extreme solar minimum between the solar cycles 23 and 24. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2466-2475	2.6	1
168	Nightside magnetospheric current circuit: Time constants of the solar wind-magnetosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3558-3572	2.6	6
167	Solar cycle variation of plasma mass density in the outer magnetosphere: Magnetoseismic analysis of toroidal standing Alfvén waves detected by Geotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8338-8356	2.6	19
166	Solar cycle dependence of nightside field-aligned currents: Effects of dayside ionospheric conductivity on the solar wind-magnetosphere-ionosphere coupling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 322-334	2.6	17
165	Magnetic reconnection, buoyancy, and flapping motions in magnetotail explosions. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7151-7168	2.6	57
164	Temporal and spatial dynamics of the regions 1 and 2 Birkeland currents during substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3007-3016	2.6	44
163	Tail Current Disruption in the Geosynchronous Region. <i>Geophysical Monograph Series</i> , 2013 , 131-137	1.1	39
162	The response of the dayside equatorial electrojet to step-like changes of IMF BZ. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3637-3646	2.6	3
161	Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5616-5625	2.6	6
160	The role of compressional Pc5 pulsations in modulating precipitation of energetic electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7728-7739	2.6	14

159	Study of an Isolated Substorm with ISTP Data. <i>Geophysical Monograph Series</i> , 2013 , 261-274	1.1	1
158	Statistical characteristics of plasma flows associated with magnetic dipolarizations in the near-tail region of r. <i>Journal of Geophysical Research</i> , 2012 , 117,		38
157	On near-tail bubble penetration into geosynchronous altitude. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		12
156	Observational test of interchange instability associated with magnetic dipolarization in the near-Earth plasma sheet of r. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		5
155	The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		6
154	Magnetic field depression at the Earth's surface during energetic neutral atom emission fade-out in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		1
153	AKR modulation and global Pi2 oscillation. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		8
152	Displacement of conjugate points during a substorm in a global magnetohydrodynamic simulation. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		7
151	Self-consistent formulation for the evolution of ionospheric conductances at the ionospheric E region within the M-I coupling scheme. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		9
150	Energetic O ⁺ and H ⁺ ions in the plasma sheet: Implications for the transport of ionospheric ions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		33
149	Solar wind driving of dayside field-aligned currents. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		13
148	Pi 2 waves simultaneously observed by Cluster and CPMN ground-based magnetometers near the plasmopause. <i>Annales Geophysicae</i> , 2011 , 29, 1663-1672	2	3
147	Characteristics of the terrestrial field-aligned current system. <i>Annales Geophysicae</i> , 2011 , 29, 1713-1729	2	49
146	Response of the auroral electrojet indices to abrupt southward IMF turnings. <i>Annales Geophysicae</i> , 2010 , 28, 1167-1182	2	15
145	Substorm and pseudo-substorm Pi2 pulsations observed during the interval of quasi-periodic magnetotail flow bursts: A case study. <i>Earth, Planets and Space</i> , 2010 , 62, 413-425	2.9	6
144	Can intense substorms occur under northward IMF conditions?. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		22
143	Some statistical properties of flow bursts in the magnetotail. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		15
142	Substorm cycle dependence of various types of aurora. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		49

141	Multisatellite low-altitude observations of a magnetopause merging burst. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		4
140	Locations of night-side precipitation boundaries relative to R2 and R1 currents. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		33
139	Statistical characteristics and significance of low-frequency instability associated with magnetic dipolarizations in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		17
138	Inductive electric fields in the inner magnetosphere during geomagnetically active periods. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		14
137	Dayside field-aligned current source regions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		53
136	Mass-dependent evolution of energetic neutral atoms energy spectra during storm time substorms: Implication for O ⁺ nonadiabatic acceleration. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		20
135	On the poleward boundary of the nightside auroral oval under northward interplanetary magnetic field conditions. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		7
134	Simultaneous observations of the plasma density on the same field line by the CPMN ground magnetometers and the Cluster satellites. <i>Advances in Space Research</i> , 2009 , 43, 265-272	2.4	8
133	Dependence of premidnight field-aligned currents and particle precipitation on solar illumination. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		31
132	Propagation characteristics of Pi 2 pulsations observed at high- and low-latitude MAGDAS/CPMN stations: A statistical study. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		16
131	Substorm onset timing via travelttime magnetoseismology. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	18
130	On the loss of relativistic electrons at geosynchronous altitude: Its dependence on magnetic configurations and external conditions. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		61
129	Geomagnetic signatures of auroral substorms preceded by pseudobreakups. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		9
128	Impact of the solar wind dynamic pressure on the Region 2 field-aligned currents. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		10
127	Tailward flows with positive BZ in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		51
126	A method for estimating the ring current structure and the electric potential distribution using energetic neutral atom data assimilation. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
125	Two classes of earthward fast flows in the plasma sheet. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		14
124	Ion composition in the plasma trough and plasma plume derived from a Combined Release and Radiation Effects Satellite magnetoseismic study. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		31

123	Statistical characteristics of the storm time plasma sheet. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		11
122	Solar wind control of plasma number density in the near-Earth plasma sheet: three-dimensional structure. <i>Annales Geophysicae</i> , 2008 , 26, 4031-4049	2	19
121	Storm-time magnetic configurations at geosynchronous orbit: Comparison between the main and recovery phases. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		19
120	Particle precipitation characteristics in the dayside four-sheet field-aligned current structure. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		6
119	Solar wind control of plasma number density in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		12
118	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $r = 4.6$ RE. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		37
117	Energetic neutral atom response to solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		17
116	Statistical analysis of the relationship between earthward flow bursts in the magnetotail and low-latitude Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		17
115	Effects of the fast plasma sheet flow on the geosynchronous magnetic configuration: Geotail and GOES coordinated study. <i>Journal of Geophysical Research</i> , 2006 , 111,		69
114	Statistical characteristics of hydrogen and oxygen ENA emission from the storm-time ring current. <i>Journal of Geophysical Research</i> , 2006 , 111,		20
113	Plasma sheet expansion: Statistical characteristics. <i>Journal of Geophysical Research</i> , 2006 , 111,		4
112	Convection electric field in the near-Earth tail during the super magnetic storm of November 2001, 2003. <i>Geophysical Research Letters</i> , 2006 , 33,	4-9	5
111	Contribution of charge exchange loss to the storm time ring current decay: IMAGE/HENA observations. <i>Journal of Geophysical Research</i> , 2006 , 111,		24
110	Simultaneous identification of a plasmaspheric plume by a ground magnetometer pair and IMAGE Extreme Ultraviolet Imager. <i>Journal of Geophysical Research</i> , 2006 , 111,		14
109	Remote sensing of a near-Earth neutral line during the 5 October 2000 substorm. <i>Annales Geophysicae</i> , 2006 , 24, 3497-3505	2	4
108	Storm-time convection electric field in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2005 , 110,		24
107	Annual and semiannual variations of the location and intensity of large-scale field-aligned currents. <i>Journal of Geophysical Research</i> , 2005 , 110,		51
106	Local time distribution of low and middle latitude ground magnetic disturbances at sawtooth injections of 18-19 April 2002. <i>Journal of Geophysical Research</i> , 2005 , 110,		24

105	Storm-substorm relationship: Variations of the hydrogen and oxygen energetic neutral atom intensities during storm-time substorms. <i>Journal of Geophysical Research</i> , 2005 , 110,		42
104	Outflow of energetic ions from the magnetosphere and its contribution to the decay of the storm time ring current. <i>Journal of Geophysical Research</i> , 2005 , 110,		21
103	Comparison of large-scale field-aligned currents under sunlit and dark ionospheric conditions. <i>Journal of Geophysical Research</i> , 2005 , 110,		34
102	Storm time dawn-dusk asymmetry of the large-scale Birkeland currents. <i>Journal of Geophysical Research</i> , 2005 , 110,		34
101	Dynamics of Ions of Ionospheric Origin During Magnetic Storms: Their Acceleration Mechanism and Transport Path to Ring Current. <i>Geophysical Monograph Series</i> , 2005 , 61-71	1.1	12
100	Ionospheric conductivity dependence of dayside region-0, 1, and 2 field-aligned current systems: statistical study with DMSP-F7. <i>Annales Geophysicae</i> , 2004 , 22, 2775-2783	2	23
99	IMAGE/HENA: pressure and current distributions during the 1 October 2002 storm. <i>Advances in Space Research</i> , 2004 , 33, 719-722	2.4	29
98	Flow Bursts in the Plasma Sheet and Auroral Substorm Onset: Observational Constraints on Connection Between Midtail and Near-earth Substorm Processes. <i>Space Science Reviews</i> , 2004 , 113, 77-96 ⁵		42
97	Tail current surge: New insights from a global MHD simulation and comparison with satellite observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		12
96	Propagation characteristics of Pi 2 magnetic pulsations observed at ground high latitudes. <i>Journal of Geophysical Research</i> , 2004 , 109,		21
95	Total pressure variations in the magnetotail as a function of the position and the substorm magnitude. <i>Journal of Geophysical Research</i> , 2004 , 109,		13
94	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	36
93	Magnetotail behavior during storm time sawtooth injections. <i>Journal of Geophysical Research</i> , 2004 , 109,		26
92	Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , 2004 , 22, 537-548	2	80
91	Temporal structure of the fast convective flow in the plasma sheet: Comparison between observations and two-fluid simulations. <i>Journal of Geophysical Research</i> , 2004 , 109,		220
90	Storm-Substorm Relationships During the 4 October, 2000 Storm. IMAGE Global ENA Imaging Results. <i>Geophysical Monograph Series</i> , 2003 , 103-118	1.1	12
89	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	7
88	Simultaneous EISCAT Svalbard radar and DMSP observations of ion upflow in the dayside polar ionosphere. <i>Journal of Geophysical Research</i> , 2003 , 108,		47

87	Hall current system around the magnetic neutral line in the magnetotail: Statistical study. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
86	Quiet time magnetotail plasma flow: Coordinated Polar ultraviolet images and Geotail observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
85	Quantitative relationships between plasma sheet fast flows and nightside auroral power. <i>Journal of Geophysical Research</i> , 2003 , 108,		7
84	Particle simulation study of substorm triggering with a southward IMF. <i>Advances in Space Research</i> , 2002 , 30, 2675-2681	2.4	2
83	Electron dynamics in the current disruption region. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 22-1		4
82	ENA observations of a global substorm growthphase dropout in the nightside magnetosphere. <i>Geophysical Research Letters</i> , 2002 , 29, 23-1-23-3	4.9	11
81	Global ENA observations of the storm mainphase ring current: Implications for skewed electric fields in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2002 , 29, 15-1-15-3	4.9	81
80	IMAGE/high-energy energetic neutral atom: Global energetic neutral atom imaging of the plasma sheet and ring current during substorms. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 21-1-SMP 21-13		38
79	Field-aligned currents in the outermost plasma sheet boundary layer with Geotail observation. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 32-1		23
78	The timing relationship between bursty bulk flows and Pi2s at the geosynchronous orbit. <i>Geophysical Research Letters</i> , 2002 , 29, 15-1-15-4	4.9	14
77	Does the braking of the fast plasma flow trigger a substorm?: A study of the August 14, 1996, event. <i>Geophysical Research Letters</i> , 2002 , 29, 16-1-16-4	4.9	32
76	Quiet time magnetotail dynamics and their implications for the substorm trigger. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 6-1-SMP 6-10		27
75	Pi2 onset time determination with information criterion. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 14-1		3
74	Substorm Trigger Processes in the Magnetotail: Recent Observations and Outstanding Issues. <i>Space Science Reviews</i> , 2001 , 95, 347-359	7.5	21
73	Broadband transverse waves below 1 Hz in the afternoon sector of the magnetosphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 18873-18882		
72	Reply [to Comment on Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery]by K. Liou, et al. <i>Journal of Geophysical Research</i> , 2001 , 106, 18923-18926		5
71	Ion composition of the near-Earth plasma sheet in storm and quiet intervals: Geotail/EPIC measurements. <i>Journal of Geophysical Research</i> , 2001 , 106, 8391-8403		40
70	Storm-substorm relationship: Contribution of the tail current to Dst. <i>Journal of Geophysical Research</i> , 2001 , 106, 21199-21209		87

69	CRRES observation of Pi2 pulsations: Wave mode inside and outside the plasmasphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 15567-15581		46
68	Acceleration signatures in the dayside boundary layer and the cusp. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2001 , 26, 195-200		1
67	Magnetosphere-Ionosphere Interactions: A Tutorial Review. <i>Geophysical Monograph Series</i> , 2000 , 91-106	1.1	124
66	Field-Aligned-Current Systems in the Numerically Simulated Magnetosphere. <i>Geophysical Monograph Series</i> , 2000 , 53-59	1.1	28
65	Global particle simulation for a space weather model: present and future. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 1991-2006	1.3	3
64	Ionospheric Electrodynamics: A Tutorial. <i>Geophysical Monograph Series</i> , 2000 , 131-146	1.1	41
63	A Synthetic View of the Magnetospheric-Ionospheric Current System Associated with Substorms. <i>Geophysical Monograph Series</i> , 2000 , 199-207	1.1	12
62	Near- and Mid-Tail Current Flow During Substorms: Small- and Large-Scale Aspects of Current Disruption. <i>Geophysical Monograph Series</i> , 2000 , 295-303	1.1	16
61	The Current Disruption Myth. <i>Geophysical Monograph Series</i> , 2000 , 285-294	1.1	3
60	A New Technique for the Mapping of Ionospheric Field-Aligned Currents from Satellite Magnetometer Data. <i>Geophysical Monograph Series</i> , 2000 , 381-388	1.1	11
59	Substorm Associated Tail Current Changes Inferred from Lobe Magnetic Field Observations. <i>Geophysical Monograph Series</i> , 2000 , 275-283	1.1	3
58	Electric Current Approach to Magnetospheric Physics and the Distinction Between Current Disruption and Magnetic Reconnection. <i>Geophysical Monograph Series</i> , 2000 , 31-40	1.1	11
57	Global Geometry of Magnetospheric Currents Inferred from MHD Simulations. <i>Geophysical Monograph Series</i> , 2000 , 41-52	1.1	49
56	Symmetry Breaking and Nonlinear Wave-Wave Interaction in Current Disruption: Possible Evidence for a Phase Transition. <i>Geophysical Monograph Series</i> , 2000 , 395-401	1.1	14
55	Ion dynamics and tail current intensification prior to dipolarization: The June 1, 1985, event. <i>Journal of Geophysical Research</i> , 2000 , 105, 25233-25246		13
54	Change of energetic ion composition in the plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2000 , 105, 23277-23286		34
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