

# Shin Ohtani

## List of Publications by Citations

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212  
papers

5,378  
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42  
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220  
ext. papers

5,752  
ext. citations

2.7  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
212	Temporal structure of the fast convective flow in the plasma sheet: Comparison between observations and two-fluid simulations. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		220
211	Radial expansion of the tail current disruption during substorms: A new approach to the substorm onset region. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 3129-3136		163
210	Magnetosphere-Ionosphere Interactions: A Tutorial Review. <i>Geophysical Monograph Series</i> , <b>2000</b> , 91-106.1.1		124
209	Initial signatures of magnetic field and energetic particle fluxes at tail Reconfiguration: Explosive growth phase. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 19311		115
208	Statistical analysis of Pi 2 pulsations observed by the AMPTE CCE Spacecraft in the inner magnetosphere. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 21929-21941		113
207	Observations in the vicinity of substorm onset: Implications for the substorm process. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 7937		105
206	Storm-substorm relationship: Contribution of the tail current to Dst. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 21199-21209		87
205	Global ENA observations of the storm mainphase ring current: Implications for skewed electric fields in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 15-1-15-3	4.9	81
204	Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 537-548	2	80
203	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 4671-4682		80
202	Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 2495-2505		79
201	Field-aligned current signatures in the near-tail region: 1. ISEE observations in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 9709		77
200	High-resolution global magnetohydrodynamic simulation of bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4555-4566	2.6	76
199	Ballooning instability and structure of diamagnetic hydromagnetic waves in a model magnetosphere. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 15231		76
198	Does the ballooning instability trigger substorms in the near-Earth magnetotail?. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 19369-19379		73
197	Effects of the fast plasma sheet flow on the geosynchronous magnetic configuration: Geotail and GOES coordinated study. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		69
196	A multisatellite study of a pseudo-substorm onset in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 19355-19367		69

195	Magnetic fluctuations associated with tail current disruption: Fractal analysis. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19135		67
194	Acceleration of oxygen ions of ionospheric origin in the near-Earth magnetotail during substorms. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 7669-7677		66
193	On the loss of relativistic electrons at geosynchronous altitude: Its dependence on magnetic configurations and external conditions. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		61
192	The double oval UV auroral distribution: 1. Implications for the mapping of auroral arcs. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 12075		61
191	Substorm onset timing: The December 31, 1995, event. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 22713-22728		58
190	Magnetic reconnection, buoyancy, and flapping motions in magnetotail explosions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7151-7168	2.6	57
189	The Effect of the January 10, 1997, Pressure Pulse on the Magnetosphere-Ionosphere Current System. <i>Geophysical Monograph Series</i> , <b>2000</b> , 217-226	1.1	56
188	Dayside field-aligned current source regions. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		53
187	Earthward expansion of tail current disruption: Dual-satellite study. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6815-6825		53
186	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , <b>2015</b> , 33, 1369-1402	2	51
185	Tailward flows with positive BZ in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		51
184	Annual and semiannual variations of the location and intensity of large-scale field-aligned currents. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		51
183	Simultaneous prenoon and postnoon observations of three field-aligned current systems from Viking and DMSP-F7. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 119		50
182	Substorm cycle dependence of various types of aurora. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		49
181	Characteristics of the terrestrial field-aligned current system. <i>Annales Geophysicae</i> , <b>2011</b> , 29, 1713-1729	2	49
180	Global Geometry of Magnetospheric Currents Inferred from MHD Simulations. <i>Geophysical Monograph Series</i> , <b>2000</b> , 41-52	1.1	49
179	The double oval UV auroral distribution: 2. The most poleward arc system and the dynamics of the magnetotail. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 12093		49
178	Simultaneous EISCAT Svalbard radar and DMSP observations of ion upflow in the dayside polar ionosphere. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		47

177	CRRES observation of Pi2 pulsations: Wave mode inside and outside the plasmasphere. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 15567-15581		46
176	AMPTE CCE observations of Pi 2 pulsations in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>1992</b> , 19, 1447-1450	4.9	45
175	Temporal and spatial dynamics of the regions 1 and 2 Birkeland currents during substorms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3007-3016	2.6	44
174	Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2905-2908	4.9	44
173	Storm-substorm relationship: Variations of the hydrogen and oxygen energetic neutral atom intensities during storm-time substorms. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		42
172	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> , <b>2004</b> , 113, 77-96 <sup>5</sup>	7.5	42
171	Plasma and magnetic flux transport associated with auroral breakups. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 4059-4062	4.9	42
170	Coupling between alfvén and slow magnetosonic waves in an inhomogeneous finite- $\beta$ plasma: Coupled equations and physical mechanism. <i>Planetary and Space Science</i> , <b>1989</b> , 37, 567-577	2	42
169	Ionospheric Electrodynamics: A Tutorial. <i>Geophysical Monograph Series</i> , <b>2000</b> , 131-146	1.1	41
168	Four large-scale field-aligned current systems in the dayside high-latitude region. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 137		41
167	Ion composition of the near-Earth plasma sheet in storm and quiet intervals: Geotail/EPIC measurements. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 8391-8403		40
166	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> , <b>2015</b> , 120, 1924-1938	2.6	39
165	Tail Current Disruption in the Geosynchronous Region. <i>Geophysical Monograph Series</i> , <b>2013</b> , 131-137	1.1	39
164	Statistical characteristics of plasma flows associated with magnetic dipolarizations in the near-tail region of r. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		38
163	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> , <b>2002</b> , 107, SMP 21-1-SMP 21-13		38
162	Field-Aligned Currents in Geospace: Substance and Significance. <i>Geophysical Monograph Series</i> , <b>2000</b> , 107-129	1.1	38
161	Multisatellite study of nightside transient toroidal waves. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 24815-24825		38
160	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> , <b>2007</b> , 112, n/a-n/a		37

159	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	36
158	Harmonic structure of compressional Pc5 pulsations at synchronous orbit. <i>Geophysical Research Letters</i> , <b>1986</b> , 13, 1101-1104	4.9	36
157	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2715-2726	2.6	34
156	Comparison of large-scale field-aligned currents under sunlit and dark ionospheric conditions. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		34
155	Storm time dawn-dusk asymmetry of the large-scale Birkeland currents. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		34
154	Change of energetic ion composition in the plasma sheet during substorms. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 23277-23286		34
153	Energetic O <sup>+</sup> and H <sup>+</sup> ions in the plasma sheet: Implications for the transport of ionospheric ions. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		33
152	Locations of night-side precipitation boundaries relative to R2 and R1 currents. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		33
151	Does the braking of the fast plasma flow trigger a substorm?: A study of the August 14, 1996, event. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 16-1-16-4	4.9	32
150	Dependence of premidnight field-aligned currents and particle precipitation on solar illumination. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		31
149	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> , <b>2008</b> , 113, n/a-n/a		31
148	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> , <b>2020</b> , 47, e2020GL088227	4.9	30
147	IMAGE/HENA: pressure and current distributions during the 1 October 2002 storm. <i>Advances in Space Research</i> , <b>2004</b> , 33, 719-722	2.4	29
146	Cold dense plasma in the outer magnetosphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 25077-25095		29
145	Field-Aligned-Current Systems in the Numerically Simulated Magnetosphere. <i>Geophysical Monograph Series</i> , <b>2000</b> , 53-59	1.1	28
144	Quiet time magnetotail dynamics and their implications for the substorm trigger. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 6-1-SMP 6-10		27
143	Automatic identification of large-scale field-aligned current structures. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 25305-25315		27
142	Birkeland current effects on high-latitude ground magnetic field perturbations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7248-7254	4.9	26

141	Magnetotail behavior during storm time sawtooth injections. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		26
140	Drift-shell splitting of energetic ions injected at pseudo-substorm onsets. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 22117-22130		24
139	Storm-time convection electric field in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		24
138	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> , <b>2005</b> , 110,		24
137	Contribution of charge exchange loss to the storm time ring current decay: IMAGE/HENA observations. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		24
136	Field-aligned current signatures in the near-tail region: 2. Coupling between the region 1 and the region 2 systems. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 18913		24
135	Global Empirical Picture of Magnetospheric Substorms Inferred From Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1085-1110	2.6	23
134	Ionospheric conductivity dependence of dayside region-0, 1, and 2 field-aligned current systems: statistical study with DMSP-F7. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 2775-2783	2	23
133	Field-aligned currents in the outermost plasma sheet boundary layer with Geotail observation. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 32-1		23
132	Coupling between alfvén and slow magnetosonic waves in an inhomogeneous finite- $\beta$ plasma. Eigenmode analysis of localized ballooning-interchange instability. <i>Planetary and Space Science</i> , <b>1989</b> , 37, 579-588	2	23
131	Can intense substorms occur under northward IMF conditions?. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		22
130	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7459-7476	2.6	21
129	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> , <b>2005</b> , 110,		21
128	Propagation characteristics of Pi 2 magnetic pulsations observed at ground high latitudes. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		21
127	Substorm Trigger Processes in the Magnetotail: Recent Observations and Outstanding Issues. <i>Space Science Reviews</i> , <b>2001</b> , 95, 347-359	7.5	21
126	Dynamic response of the cusp morphology to the solar wind: A case study during passage of the solar wind plasma cloud on February 21, 1994. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 24675-24687		21
125	Mass-dependent evolution of energetic neutral atoms energy spectra during storm time substorms: Implication for O <sup>+</sup> nonadiabatic acceleration. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		20
124	Statistical characteristics of hydrogen and oxygen ENA emission from the storm-time ring current. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		20

123	Fast Observations of Upward Accelerated Electron Beams and the Downward Field-Aligned Current Region. <i>Geophysical Monograph Series</i> , <b>2000</b> , 173-180	1.1	20
122	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> , <b>2014</b> , 119, 8338-8356	2.6	19
121	Solar wind control of plasma number density in the near-Earth plasma sheet: three-dimensional structure. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 4031-4049	2	19
120	Storm-time magnetic configurations at geosynchronous orbit: Comparison between the main and recovery phases. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		19
119	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> , <b>2015</b> , 120, 8707-8722	2.6	18
118	Substorm onset timing via travelttime magnetoseismology. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	18
117	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 405-419	2.6	18
116	Spatial Development of the Dipolarization Region in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5452-5463	2.6	17
115	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> , <b>2014</b> , 119, 322-334	2.6	17
114	Statistical characteristics and significance of low-frequency instability associated with magnetic dipolarizations in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		17
113	Energetic neutral atom response to solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		17
112	Statistical analysis of the relationship between earthward flow bursts in the magnetotail and low-latitude Pi2 pulsations. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		17
111	Propagation characteristics of Pi 2 pulsations observed at high- and low-latitude MAGDAS/CPMN stations: A statistical study. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		16
110	Near- and Mid-Tail Current Flow During Substorms: Small- and Large-Scale Aspects of Current Disruption. <i>Geophysical Monograph Series</i> , <b>2000</b> , 295-303	1.1	16
109	Field-aligned current systems in the magnetospheric ground state. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6853-6869		16
108	Signatures of Nonideal Plasma Evolution During Substorms Obtained by Mining Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8427-8456	2.6	15
107	Response of the auroral electrojet indices to abrupt southward IMF turnings. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 1167-1182	2	15
106	Some statistical properties of flow bursts in the magnetotail. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		15

105	Dominance of high-energy (>150 keV) heavy ion intensities in Earth's middle to outer magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9282-9293	2.6	14
104	The role of compressional Pc5 pulsations in modulating precipitation of energetic electrons. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7728-7739	2.6	14
103	Inductive electric fields in the inner magnetosphere during geomagnetically active periods. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		14
102	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> , <b>2008</b> , 113, n/a-n/a		14
101	Two classes of earthward fast flows in the plasma sheet. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		14
100	Simultaneous identification of a plasmaspheric plume by a ground magnetometer pair and IMAGE Extreme Ultraviolet Imager. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		14
99	The timing relationship between bursty bulk flows and Pi2s at the geosynchronous orbit. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 15-1-15-4	4.9	14
98	Symmetry Breaking and Nonlinear Wave-Wave Interaction in Current Disruption: Possible Evidence for a Phase Transition. <i>Geophysical Monograph Series</i> , <b>2000</b> , 395-401	1.1	14
97	IMP 8 magnetic observations of the high-latitude tail boundary: Locations and force balance. <i>Journal of Geophysical Research</i> , <b>1990</b> , 95, 20759		14
96	Solar wind driving of dayside field-aligned currents. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		13
95	Total pressure variations in the magnetotail as a function of the position and the substorm magnitude. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		13
94	Ion dynamics and tail current intensification prior to dipolarization: The June 1, 1985, event. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 25233-25246		13
93	Altitudinal comparison of dayside field-aligned current signatures by Viking and DMSP-F7: Intermediate-scale field-aligned current systems. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 15297-15310		13
92	On near-tail bubble penetration into geosynchronous altitude. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		12
91	Solar wind control of plasma number density in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		12
90	Storm-Substorm Relationships During the 4 October, 2000 Storm. IMAGE Global ENA Imaging Results. <i>Geophysical Monograph Series</i> , <b>2003</b> , 103-118	1.1	12
89	Tail current surge: New insights from a global MHD simulation and comparison with satellite observations. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		12
88	Dynamics of Ions of Ionospheric Origin During Magnetic Storms: Their Acceleration Mechanism and Transport Path to Ring Current. <i>Geophysical Monograph Series</i> , <b>2005</b> , 61-71	1.1	12



87	A Synthetic View of the Magnetospheric-Ionospheric Current System Associated with Substorms. <i>Geophysical Monograph Series</i> , <b>2000</b> , 199-207	1.1	12
86	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5420-5434	2.6	11
85	Equatorial magnetic field of the near-Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8462-8478	2.6	11
84	On the field-aligned electric field in the polar cap. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5090-5099	4.9	11
83	Statistical characteristics of the storm time plasma sheet. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		11
82	ENA observations of a global substorm growthphase dropout in the nightside magnetosphere. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 23-1-23-3	4.9	11
81	A New Technique for the Mapping of Ionospheric Field-Aligned Currents from Satellite Magnetometer Data. <i>Geophysical Monograph Series</i> , <b>2000</b> , 381-388	1.1	11
80	Electric Current Approach to Magnetospheric Physics and the Distinction Between Current Disruption and Magnetic Reconnection. <i>Geophysical Monograph Series</i> , <b>2000</b> , 31-40	1.1	11
79	Four-sheet structures of dayside field-aligned currents: Statistical study. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 25317-25324		11
78	Relationship between Large-, Meso-, and Small-Scale Field-Aligned Currents and their Current Carriers <b>1998</b> , 173-188		11
77	Is the Substorm Current Wedge an Ensemble of Wedgelets?: Revisit to Midlatitude Positive Bays. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027902	2.6	11
76	Impact of the solar wind dynamic pressure on the Region 2 field-aligned currents. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		10
75	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> , <b>2011</b> , 116, n/a-n/a		9
74	Geomagnetic signatures of auroral substorms preceded by pseudobreakups. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		9
73	Pi2 pulsations observed around the dawn terminator. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2088-2098	2.6	8
72	Responses of different ion species to fast plasma flows and local dipolarization in the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 187-200	2.6	8
71	AKR modulation and global Pi2 oscillation. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		8
70	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> , <b>2009</b> , 43, 265-272	2.4	8

69	Special features of a substorm during high solar wind dynamic pressure. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 19095		8
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