

Shin Ohtani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6972369/publications.pdf>

Version: 2024-02-01

215
papers

6,414
citations

50170

46
h-index

102304

66
g-index

220
all docs

220
docs citations

220
times ranked

2099
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	3.3	241
2	Radial expansion of the tail current disruption during substorms: A new approach to the substorm onset region. <i>Journal of Geophysical Research</i> , 1992, 97, 3129-3136.	3.3	185
3	Magnetosphere-ionosphere interactions: A tutorial review. <i>Geophysical Monograph Series</i> , 2000, , 91-106.	0.1	156
4	Initial signatures of magnetic field and energetic particle fluxes at tail Reconfiguration: Explosive growth phase. <i>Journal of Geophysical Research</i> , 1992, 97, 19311-19324.	3.3	132
5	Statistical analysis of Pi 2 pulsations observed by the AMPTE CCE Spacecraft in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 1995, 100, 21929-21941.	3.3	128
6	Observations in the vicinity of substorm onset: Implications for the substorm process. <i>Journal of Geophysical Research</i> , 1995, 100, 7937.	3.3	116
7	Storm-substorm relationship: Contribution of the tail current toDst. <i>Journal of Geophysical Research</i> , 2001, 106, 21199-21209.	3.3	100
8	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.	1.5	92
9	High-resolution global magnetohydrodynamic simulation of bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4555-4566.	0.8	90
10	AMPTE/CCE-SCATHA simultaneous observations of substorm-associated magnetic fluctuations. <i>Journal of Geophysical Research</i> , 1998, 103, 4671-4682.	3.3	89
11	Auroral streamers: characteristics of associated precipitation, convection and field-aligned currents. <i>Annales Geophysicae</i> , 2004, 22, 537-548.	0.6	89
12	Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery. <i>Journal of Geophysical Research</i> , 2000, 105, 2495-2505.	3.3	87
13	Ballooning instability and structure of diamagnetic hydromagnetic waves in a model magnetosphere. <i>Journal of Geophysical Research</i> , 1989, 94, 15231-15242.	3.3	86
14	Field-aligned current signatures in the near-tail region: 1. ISEE observations in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 1988, 93, 9709-9720.	3.3	82
15	Does the ballooning instability trigger substorms in the near-Earth magnetotail?. <i>Journal of Geophysical Research</i> , 1993, 98, 19369-19379.	3.3	81
16	Magnetic fluctuations associated with tail current disruption: Fractal analysis. <i>Journal of Geophysical Research</i> , 1995, 100, 19135.	3.3	81
17	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, .	3.3	79
18	A multisatellite study of a pseudo-substorm onset in the near-Earth magnetotail. <i>Journal of Geophysical Research</i> , 1993, 98, 19355-19367.	3.3	78

#	ARTICLE	IF	CITATIONS
19	The double oval UV auroral distribution: 1. Implications for the mapping of auroral arcs. Journal of Geophysical Research, 1995, 100, 12075.	3.3	77
20	Acceleration of oxygen ions of ionospheric origin in the near-Earth magnetotail during substorms. Journal of Geophysical Research, 2000, 105, 7669-7677.	3.3	71
21	Substorm onset timing: The December 31, 1995, event. Journal of Geophysical Research, 1999, 104, 22713-22727.	3.3	67
22	The Effect of the January 10, 1997, pressure pulse on the magnetosphere-ionosphere current system. Geophysical Monograph Series, 2000, , 217-226.	0.1	66
23	Defining and resolving current systems in geospace. Annales Geophysicae, 2015, 33, 1369-1402.	0.6	66
24	Dayside field-aligned current source regions. Journal of Geophysical Research, 2010, 115, .	3.3	65
25	Magnetic reconnection, buoyancy, and flapping motions in magnetotail explosions. Journal of Geophysical Research: Space Physics, 2014, 119, 7151-7168.	0.8	64
26	Simultaneous prenoon and postnoon observations of three field-aligned current systems from Viking and DMSP-F7. Journal of Geophysical Research, 1995, 100, 119.	3.3	63
27	On the loss of relativistic electrons at geosynchronous altitude: Its dependence on magnetic configurations and external conditions. Journal of Geophysical Research, 2009, 114, .	3.3	63
28	The double oval UV auroral distribution: 2. The most poleward arc system and the dynamics of the magnetotail. Journal of Geophysical Research, 1995, 100, 12093.	3.3	61
29	Global geometry of magnetospheric currents inferred from MHD simulations. Geophysical Monograph Series, 2000, , 41-52.	0.1	60
30	Annual and semiannual variations of the location and intensity of large-scale field-aligned currents. Journal of Geophysical Research, 2005, 110, .	3.3	60
31	Earthward expansion of tail current disruption: Dual-satellite study. Journal of Geophysical Research, 1998, 103, 6815-6825.	3.3	59
32	Simultaneous EISCAT Svalbard radar and DMSP observations of ion upflow in the dayside polar ionosphere. Journal of Geophysical Research, 2003, 108, .	3.3	59
33	Ballooning-Interchange Instability in the Near-Earth Plasma Sheet and Auroral Beads: Global Magnetospheric Modeling at the Limit of the MHD Approximation. Geophysical Research Letters, 2020, 47, e2020GL088227.	1.5	59
34	Plasma and magnetic flux transport associated with auroral breakups. Geophysical Research Letters, 1998, 25, 4059-4062.	1.5	57
35	Tailward flows with positive B_z in the near-Earth plasma sheet. Journal of Geophysical Research, 2009, 114, .	3.3	57
36	Characteristics of the terrestrial field-aligned current system. Annales Geophysicae, 2011, 29, 1713-1729.	0.6	54

#	ARTICLE	IF	CITATIONS
37	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.	3.7	53
38	Substorm cycle dependence of various types of aurora. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53
39	AMPTE CCE observations of Pi 2 pulsations in the inner magnetosphere. <i>Geophysical Research Letters</i> , 1992, 19, 1447-1450.	1.5	52
40	Near-Earth dipolarization: Evidence for a non-MHD process. <i>Geophysical Research Letters</i> , 1999, 26, 2905-2908.	1.5	52
41	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.	0.8	52
42	Tail Current Disruption in the Geosynchronous Region. <i>Geophysical Monograph Series</i> , 0, , 131-137.	0.1	50
43	Ionospheric electrodynamics: A tutorial. <i>Geophysical Monograph Series</i> , 2000, , 131-146.	0.1	49
44	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.	0.8	49
45	Field-aligned currents in geospace: Substance and significance. <i>Geophysical Monograph Series</i> , 2000, , 107-129.	0.1	48
46	CRRES observation of Pi2 pulsations: Wave mode inside and outside the plasmasphere. <i>Journal of Geophysical Research</i> , 2001, 106, 15567-15581.	3.3	48
47	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.	3.3	48
48	Four large-scale field-aligned current systems in the dayside high-latitude region. <i>Journal of Geophysical Research</i> , 1995, 100, 137.	3.3	46
49	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, .	3.3	46
50	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.	3.3	45
51	Coupling between \tilde{A} and slow magnetosonic waves in an inhomogeneous finite- β plasma. Coupled equations and physical mechanism. <i>Planetary and Space Science</i> , 1989, 37, 567-577.	0.9	44
52	Data-derived forecasting model for relativistic electron intensity at geosynchronous orbit. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	44
53	Global Empirical Picture of Magnetospheric Substorms Inferred From Multimission Magnetometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1085-1110.	0.8	41
54	Harmonic structure of compressional Pc5 pulsations at synchronous orbit. <i>Geophysical Research Letters</i> , 1986, 13, 1101-1104.	1.5	40

#	ARTICLE	IF	CITATIONS
55	Multisatellite study of nightside transient toroidal waves. <i>Journal of Geophysical Research</i> , 1996, 101, 24815-24825.	3.3	40
56	Comparison of large-scale field-aligned currents under sunlit and dark ionospheric conditions. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	40
57	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at $\langle i \rangle = 4.6 \langle i \rangle_{\text{E}}$. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
58	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, .	3.3	40
59	Statistical characteristics of plasma flows associated with magnetic dipolarizations in the near-tail region of $\langle i \rangle < i \rangle_{\text{E}}$. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
60	Storm time dawn-dusk asymmetry of the large-scale Birkeland currents. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	39
61	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.	1.5	37
62	Dependence of premidnight field-aligned currents and particle precipitation on solar illumination. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	37
63	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.	3.3	37
64	The impact of sunlight on high-latitude equivalent currents. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2715-2726.	0.8	37
65	Change of energetic ion composition in the plasma sheet during substorms. <i>Journal of Geophysical Research</i> , 2000, 105, 23277-23286.	3.3	36
66	Locations of nightside precipitation boundaries relative to R2 and R1 currents. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	36
67	Cold dense plasma in the outer magnetosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 25077-25095.	3.3	35
68	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple-Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7459-7476.	0.8	35
69	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.	0.8	34
70	IMAGE/HENA: pressure and current distributions during the 1 October 2002 storm. <i>Advances in Space Research</i> , 2004, 33, 719-722.	1.2	32
71	Low-Energy ($\leq 10 \text{ keV}$) O ⁺ Ion Outflow Directly Into the Inner Magnetosphere: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 405-419.	0.8	32
72	Field-aligned-current systems in the numerically simulated magnetosphere. <i>Geophysical Monograph Series</i> , 2000, , 53-59.	0.1	31

#	ARTICLE	IF	CITATIONS
73	Magnetotail behavior during storm time "sawtooth injections" Journal of Geophysical Research, 2004, 109, .	3.3	31
74	Automatic identification of large-scale field-aligned current structures. Journal of Geophysical Research, 2000, 105, 25305-25315.	3.3	30
75	Field-aligned currents in the outermost plasma sheet boundary layer with Geotail observation. Journal of Geophysical Research, 2002, 107, SMP 32-1.	3.3	30
76	Quiet time magnetotail dynamics and their implications for the substorm trigger. Journal of Geophysical Research, 2002, 107, SMP 6-1-SMP 6-10.	3.3	30
77	Outflow of energetic ions from the magnetosphere and its contribution to the decay of the storm time ring current. Journal of Geophysical Research, 2005, 110, .	3.3	30
78	Contribution of charge exchange loss to the storm time ring current decay: IMAGE/HENA observations. Journal of Geophysical Research, 2006, 111, .	3.3	30
79	Storm-time convection electric field in the near-Earth plasma sheet. Journal of Geophysical Research, 2005, 110, .	3.3	29
80	Can intense substorms occur under northward IMF conditions?. Journal of Geophysical Research, 2010, 115, .	3.3	29
81	Birkeland current effects on high-latitude ground magnetic field perturbations. Geophysical Research Letters, 2015, 42, 7248-7254.	1.5	29
82	Local time distribution of low and middle latitude ground magnetic disturbances at sawtooth injections of 18-19 April 2002. Journal of Geophysical Research, 2005, 110, .	3.3	27
83	Signatures of Nonideal Plasma Evolution During Substorms Obtained by Mining Multimission Magnetometer Data. Journal of Geophysical Research: Space Physics, 2019, 124, 8427-8456.	0.8	27
84	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. Journal of Geophysical Research, 1996, 101, 24675-24687.	3.3	26
85	Drift-shell splitting of energetic ions injected at pseudo-substorm onsets. Journal of Geophysical Research, 1997, 102, 22117-22130.	3.3	26
86	Field-aligned current signatures in the near-tail region: 2. Coupling between the region 1 and the region 2 systems. Journal of Geophysical Research, 1990, 95, 18913-18927.	3.3	25
87	Coupling between α and slow magnetosonic waves in an inhomogeneous finite- β plasma II. Eigenmode analysis of localized ballooning-interchange instability. Planetary and Space Science, 1989, 37, 579-588.	0.9	24
88	Ionospheric conductivity dependence of dayside region-0, 1, and 2 field-aligned current systems: statistical study with DMSP-F7. Annales Geophysicae, 2004, 22, 2775-2783.	0.6	24
89	Propagation characteristics of Pi 2 magnetic pulsations observed at ground high latitudes. Journal of Geophysical Research, 2004, 109, .	3.3	24
90	Storm-time magnetic configurations at geosynchronous orbit: Comparison between the main and recovery phases. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	24

#	ARTICLE	IF	CITATIONS
91	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, .	3.3	24
92	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.	0.8	24
93	Substorm Trigger Processes in the Magnetotail: Recent Observations and Outstanding Issues. <i>Space Science Reviews</i> , 2001, 95, 347-359.	3.7	23
94	Symmetry breaking and nonlinear wave-wave interaction in current disruption: Possible evidence for a phase transition. <i>Geophysical Monograph Series</i> , 2000, , 395-401.	0.1	22
95	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.	0.8	22
96	FAST observations of upward accelerated electron beams and the downward field-aligned current region. <i>Geophysical Monograph Series</i> , 2000, , 173-180.	0.1	21
97	Statistical characteristics of hydrogen and oxygen ENA emission from the storm-time ring current. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	21
98	Solar wind control of plasma number density in the near-Earth plasma sheet: three-dimensional structure. <i>Annales Geophysicae</i> , 2008, 26, 4031-4049.	0.6	21
99	Substorm onset timing via traveltime magnetoseismology. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	21
100	The role of compressional Pc5 pulsations in modulating precipitation of energetic electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7728-7739.	0.8	21
101	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.	0.8	21
102	Field-aligned current systems in the magnetospheric ground state. <i>Journal of Geophysical Research</i> , 1998, 103, 6853-6869.	3.3	20
103	Near- and mid-tail current flow during substorms: Small- and large-scale aspects of current disruption. <i>Geophysical Monograph Series</i> , 2000, , 295-303.	0.1	20
104	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, .	3.3	20
105	Spatial Development of the Dipolarization Region in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5452-5463.	0.8	19
106	Two classes of earthward fast flows in the plasma sheet. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
107	Response of the auroral electrojet indices to abrupt southward IMF turnings. <i>Annales Geophysicae</i> , 2010, 28, 1167-1182.	0.6	18
108	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, .	3.3	18

#	ARTICLE	IF	CITATIONS
109	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.	0.8	18
110	Electric current approach to magnetospheric physics and the distinction between current disruption and magnetic reconnection. <i>Geophysical Monograph Series</i> , 2000, , 31-40.	0.1	17
111	The timing relationship between bursty bulk flows and Pi2s at the geosynchronous orbit. <i>Geophysical Research Letters</i> , 2002, 29, 15-1-15-4.	1.5	17
112	Simultaneous identification of a plasmaspheric plume by a ground magnetometer pair and IMAGE Extreme Ultraviolet Imager. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	17
113	Energetic neutral atom response to solar wind dynamic pressure enhancements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17
114	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, .	3.3	17
115	Some statistical properties of flow bursts in the magnetotail. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
116	Solar wind control of plasma number density in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	16
117	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, .	3.3	16
118	Inductive electric fields in the inner magnetosphere during geomagnetically active periods. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	16
119	Solar wind driving of dayside field-aligned currents. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	16
120	Relationship between Large-, Meso-, and Small-Scale Field-Aligned Currents and their Current Carriers. , 1998, , 173-188.		16
121	IMP 8 magnetic observations of the high-latitude tail boundary: Locations and force balance. <i>Journal of Geophysical Research</i> , 1990, 95, 20759-20769.	3.3	15
122	Ion dynamics and tail current intensification prior to dipolarization: The June 1, 1985, event. <i>Journal of Geophysical Research</i> , 2000, 105, 25233-25246.	3.3	15
123	Total pressure variations in the magnetotail as a function of the position and the substorm magnitude. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	15
124	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.	1.3	15
125	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> , 1996, 101, 15297-15310.	3.3	14
126	Dynamics of Ions of Ionospheric Origin During Magnetic Storms: Their Acceleration Mechanism and Transport Path to Ring Current. <i>Geophysical Monograph Series</i> , 0, , 61-71.	0.1	14

#	ARTICLE	IF	CITATIONS
127	Dawnside Wedge Current System Formed During Intense Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2018, 123, 9093-9109.	0.8	14
128	A Synthetic view of the magnetospheric-ionospheric current system associated with substorms. Geophysical Monograph Series, 2000, , 199-207.	0.1	13
129	A new technique for the mapping of ionospheric field-aligned currents from satellite magnetometer data. Geophysical Monograph Series, 2000, , 381-388.	0.1	13
130	ENA observations of a global substorm growthphase dropout in the nightside magnetosphere. Geophysical Research Letters, 2002, 29, 23-1-23-3.	1.5	13
131	Impact of the solar wind dynamic pressure on the Region 2 field-aligned currents. Journal of Geophysical Research, 2009, 114, .	3.3	13
132	On the poleward boundary of the nightside auroral oval under northward interplanetary magnetic field conditions. Journal of Geophysical Research, 2010, 115, .	3.3	13
133	On near-tail bubble penetration into geosynchronous altitude. Journal of Geophysical Research, 2012, 117, .	3.3	13
134	On the field-aligned electric field in the polar cap. Geophysical Research Letters, 2015, 42, 5090-5099.	1.5	13
135	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 5420-5434.	0.8	13
136	Coordinated ISTP satellite and ground observations of morningside Pc5 waves. Journal of Geophysical Research, 1999, 104, 2381-2397.	3.3	12
137	Four-sheet structures of dayside field-aligned currents: Statistical study. Journal of Geophysical Research, 2000, 105, 25317-25324.	3.3	12
138	Storm-substorm relationships during the 4 October, 2000 storm. IMAGE Global ENA imaging results. Geophysical Monograph Series, 2003, , 103-118.	0.1	12
139	Tail current surge: New insights from a global MHD simulation and comparison with satellite observations. Journal of Geophysical Research, 2004, 109, .	3.3	12
140	Statistical characteristics of the storm time plasma sheet. Journal of Geophysical Research, 2008, 113, .	3.3	12
141	Equatorial magnetic field of the near-Earth magnetotail. Journal of Geophysical Research: Space Physics, 2017, 122, 8462-8478.	0.8	12
142	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029839.	0.8	12
143	Simultaneous observations of the plasma density on the same field line by the CPMN ground magnetometers and the Cluster satellites. Advances in Space Research, 2009, 43, 265-272.	1.2	11
144	Globally Correlated Ground Magnetic Disturbances During Substorms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028599.	0.8	11

#	ARTICLE	IF	CITATIONS
145	Special features of a substorm during high solar wind dynamic pressure. <i>Journal of Geophysical Research</i> , 1995, 100, 19095.	3.3	10
146	Evolution of thin current sheet with a southward interplanetary magnetic field studied by a three-dimensional electromagnetic particle code. <i>Journal of Geophysical Research</i> , 2000, 105, 13017-13028.	3.3	10
147	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.	3.3	10
148	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.	0.8	10
149	Pi2 pulsations observed around the dawn terminator. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2088-2098.	0.8	10
150	Multipoint study of a substorm on February 9, 1995. <i>Journal of Geophysical Research</i> , 1998, 103, 17333-17343.	3.3	9
151	Hall current system around the magnetic neutral line in the magnetotail: Statistical study. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	9
152	Quiet time magnetotail plasma flow: Coordinated Polar ultraviolet images and Geotail observations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	9
153	Quantitative relationships between plasma sheet fast flows and nightside auroral power. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	9
154	Geomagnetic signatures of auroral substorms preceded by pseudobreakups. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	9
155	AKR modulation and global Pi2 oscillation. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9
156	Displacement of conjugate points during a substorm in a global magnetohydrodynamic simulation. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	9
157	The Harang reversal and the interchange stability of the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3278-3292.	0.8	9
158	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.	0.8	9
159	Superposed Epoch Analysis of Dispersionless Particle Injections Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029546.	0.8	9
160	A substorm-associated drift echo of energetic protons observed by Geotail: Radial density gradient structure. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	8
161	Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5616-5625.	0.8	8
162	Substorm Energy Transport From the Magnetotail to the Nightside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8669-8684.	0.8	8

#	ARTICLE	IF	CITATIONS
163	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.	0.8	8
164	Magnetic properties of the high-latitude tail boundary: Draping of magnetosheath field lines and tail-aligned current. <i>Journal of Geophysical Research</i> , 1991, 96, 9521-9530.	3.3	7
165	Response of the dayside auroral and electrodynamic processes to variations in the interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1997, 102, 22247-22260.	3.3	7
166	Dawn-dusk profile of field-aligned currents on May 11, 1999: A Familiar pattern driven by an unusual cause. <i>Geophysical Research Letters</i> , 2000, 27, 3777-3780.	1.5	7
167	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.	0.9	7
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.	0.8	7
169	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.	0.8	7
170	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.	0.8	7
171	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029465.	0.8	7
172	Periodic longitudinal structure of field-aligned currents in the dawn sector: Large-scale meandering of an auroral electrojet. <i>Geophysical Research Letters</i> , 1994, 21, 1879-1882.	1.5	6
173	Plasma sheet expansion: Statistical characteristics. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	6
174	Particle precipitation characteristics in the dayside four-sheet field-aligned current structure. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	6
175	Observational test of interchange instability associated with magnetic dipolarization in the near-Earth plasma sheet of $r < 12 R_E$. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
176	The double auroral oval in the dusk-midnight sector: Formation, mapping and dynamics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
177	Solar terminator effects on middle- to low-latitude Pi2 pulsations. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	6
178	Effect of Meteoric Ions on Ionospheric Conductance at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
179	New Insights into the Substorm Initiation Sequence from the Spatio-temporal Development of Auroral Electrojets. <i>Journal of Geophysical Research: Space Physics</i> , 0, , .	0.8	6
180	ISEE-1 and -2 observations of an isolated diamagnetic event: An earthward-moving plasma bulge or a tail-aligned flux rope?. <i>Geophysical Research Letters</i> , 1992, 19, 1743-1746.	1.5	5

#	ARTICLE	IF	CITATIONS
181	The current disruption myth. Geophysical Monograph Series, 2000, , 285-294.	0.1	5
182	Reply [to "Comment on "Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery" by K. Liou, et al.]. Journal of Geophysical Research, 2001, 106, 18923-18926.	3.3	5
183	Convection electric field in the near-Earth tail during the super magnetic storm of November 20"21, 2003. Geophysical Research Letters, 2006, 33, .	1.5	5
184	The response of the dayside equatorial electrojet to step-like changes of IMF B_z . Journal of Geophysical Research: Space Physics, 2013, 118, 3637-3646.	0.8	5
185	On a possible connection between the longitudinally propagating near-Earth plasma sheet and auroral arc waves: A reexamination. Journal of Geophysical Research: Space Physics, 2015, 120, 432-444.	0.8	5
186	Nightside Magnetosphere-Ionosphere Current Circuit: Implications for Auroral Streamers and Pi2 Pulsations. Journal of Geophysical Research: Space Physics, 2018, 123, 350-363.	0.8	5
187	Longitudinal Development of Poleward Boundary Intensifications (PBIs) of Auroral Emission. Journal of Geophysical Research: Space Physics, 2018, 123, 9005-9021.	0.8	5
188	Generalized Substorm Current Wedge Model: Two Types of Dipolarizations in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027890.	0.8	5
189	Revisiting the Partial Ring Current Model: Longitudinal Asymmetry of Ground Magnetic Depression During Geomagnetic Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029643.	0.8	5
190	Global particle simulation for a space weather model: present and future. IEEE Transactions on Plasma Science, 2000, 28, 1991-2006.	0.6	4
191	Conjunction of tail satellites for substorm study: ISTP event of 1997 January 2. Geophysical Research Letters, 2000, 27, 1831-1834.	1.5	4
192	Electron dynamics in the current disruption region. Journal of Geophysical Research, 2002, 107, SMP 22-1.	3.3	4
193	Remote sensing of a near-Earth neutral line during the 5 October 2000 substorm. Annales Geophysicae, 2006, 24, 3497-3505.	0.6	4
194	Multisatellite low-altitude observations of a magnetopause merging burst. Journal of Geophysical Research, 2010, 115, .	3.3	4
195	Interrelationship between preonset auroral and magnetic signatures at a geomagnetically conjugate Iceland-Syowa pair. Journal of Geophysical Research: Space Physics, 2014, 119, 761-769.	0.8	4
196	Void structure of O^+ ions in the inner magnetosphere observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2016, 121, 11,698.	0.8	4
197	Formation of a "Oscillatory Current System Associated With Global High-Correlation Pi 2 Event: A Case Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA026988.	0.8	4
198	Dynamic Properties of Particle Injections Inside Geosynchronous Orbit: A Multisatellite Case Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028215.	0.8	4

#	ARTICLE	IF	CITATIONS
199	Substorm associated tail current changes inferred from lobe magnetic field observations. Geophysical Monograph Series, 2000, , 275-283.	0.1	3
200	Acceleration signatures in the dayside boundary layer and the cusp. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 195-200.	0.2	3
201	Pi2 onset time determination with information criterion. Journal of Geophysical Research, 2002, 107, SMP 14-1.	3.3	3
202	Particle simulation study of substorm triggering with a southward IMF. Advances in Space Research, 2002, 30, 2675-2681.	1.2	3
203	Tail dynamics during the growth phase of the 24 November 1996, substorm event: Near-Earth reconnection confined in the plasma sheet. Journal of Geophysical Research, 2004, 109, .	3.3	3
204	Pi 2 waves simultaneously observed by Cluster and CPMN ground-based magnetometers near the plasmopause. Annales Geophysicae, 2011, 29, 1663-1672.	0.6	3
205	Initial deflection of middle-latitude Pi2 pulsations in the premidnight sector: Remote detection of oscillatory upward field-aligned current at substorm onset. Journal of Geophysical Research: Space Physics, 2016, 121, 6324-6340.	0.8	3
206	Particle Entry Through Reconnection by a Time-Varying IMF as Simulated by a 3-D Em Particle Code. Astrophysics and Space Science Library, 1998, , 535-538.	1.0	2
207	On the tailward expansion of current disruption during substorms. Advances in Space Research, 1993, 13, 265-268.	1.2	1
208	Freja's contribution to the ISTP event of October 27, 1992. A distorted magnetosphere. Geophysical Research Letters, 1994, 21, 1871-1874.	1.5	1
209	Scientists confer on magnetospheric current systems from a global viewpoint. Eos, 1999, 80, 378.	0.1	1
210	Magnetic field depression at the Earth's surface during energetic neutral atom emission fade-out in the inner magnetosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	1
211	Study of an Isolated Substorm with ISTP Data. Geophysical Monograph Series, 2013, , 261-274.	0.1	1
212	Field-aligned currents during the extreme solar minimum between the solar cycles 23 and 24. Journal of Geophysical Research: Space Physics, 2014, 119, 2466-2475.	0.8	1
213	Simultaneous Development of Multiple Auroral Substorms: Double Auroral Bulge Formation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028883.	0.8	1
214	Investigation of a substorm following an extended interval of northward interplanetary magnetic field. COSPAR Colloquia Series, 1998, 9, 9-16.	0.2	0
215	Broadband transverse waves below 1 Hz in the afternoon sector of the magnetosphere. Journal of Geophysical Research, 2001, 106, 18873-18882.	3.3	0