X-Z Zhou

List of Publications by Year in Descending Order

166 papers	4,562 citations	35 h-index	63 g-index
175 ext. papers	5,143 ext. citations	4.3 avg, IF	5.41 L-index

#	Paper	IF	Citations
166	Normal- and Reversed-Boomerang Stripes on Electron Pitch Angle Distributions: Solar Wind Dynamic Pressure Effect. *Geophysical Research Letters*, **2022**, 49,	4.9	1
165	Kinetic-scale Flux Ropes: Observations and Applications of Kinetic Equilibrium Models. *Astrophysical Journal*, **2022**, 926, 208	4.7	0
164	Observational evidence of ring current in the magnetosphere of Mercury.. *Nature Communications*, **2022**, 13, 924	17.4	5
163	ULF Wave-Induced Ion Pitch Angle Evolution in the Dayside Outer Magnetosphere. *Geophysical Research Letters*, **2022**, 49,	4.9	
162	Origin of Frequency-Doubling and Shoulder-Like Magnetic Pulsations in ULF Waves. *Geophysical Research Letters*, **2021**, 48, e2021GL096532	4.9	2
161	Drift Resonance Between Particles and Compressional Toroidal ULF Waves in Dipole Magnetic Field. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028842	2.6	6
160	Frequency-Dependent Responses of Plasmaspheric Hiss to the Impact of an Interplanetary Shock. *Geophysical Research Letters*, **2021**, 48, e2021GL094810	4.9	0
159	Pitch Angle Phase Shift in Ring Current Ions Interacting With Ultra-Low-Frequency Waves: Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029025	2.6	1
158	Inner Magnetospheric Magnetic Dips and Energetic Protons Trapped Therein: Multi-Spacecraft Observations and Simulations. *Geophysical Research Letters*, **2021**, 48, e2021GL092567	4.9	7
157	Helical Magnetic Cavities: Kinetic Model and Comparison With MMS Observations. *Geophysical Research Letters*, **2021**, 48, e2021GL092383	4.9	2
156	On the Species Dependence of Ion Escapes Across the Magnetopause. *Geophysical Research Letters*, **2021**, 48, e2021GL093115	4.9	0
155	Sustained Oxygen Spectral Gaps and Their Dynamic Evolution in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029092	2.6	2
154	Origin of Electron Boomerang Stripes: Statistical Study. *Geophysical Research Letters*, **2021**, 48, e2021GL093377	4.9	1
153	The Link Between Wedge-Like and Nose-Like Ion Spectral Structures in the Inner Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL093930	4.9	1
152	The Characteristics of Three-Belt Structure of Sub-MeV Electrons in the Radiation Belts. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029385	2.6	0
151	On the Origin of Donut-Shaped Electron Distributions Within Magnetic Cavities. *Geophysical Research Letters*, **2021**, 48, e2020GL091613	4.9	3
150	A Statistical Survey of Low-Frequency Magnetic Fluctuations at Saturn. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028387	2.6	0

149	Statistical Characteristics of Substorms With Different Intensity. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029318	2.6	4
148	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL095648	4.9	3
147	Saturn's Inner Magnetospheric Convection in the View of Zebra Stripe Patterns in Energetic Electron Spectra. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029600	2.6	2
146	Statistical properties of kinetic-scale magnetic holes in terrestrial space. *Earth and Planetary Physics* , **2021**, 5, 63-72	1.6	6
145	North-South Asymmetric Nightside Distorted Transpolar Arcs Within A Framework of Deformed Magnetosphere-Ionosphere Coupling: IMF-By Dependence, Ionospheric Currents, and Magnetotail Reconnection. *Journal of Geophysical Research: Space Physics*, **2020**, 125, 2020JA027991	2.6	2
144	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. *Nature Communications*, **2020**, 11, 5616	17.4	8
143	Proton Properties in Mercury's Magnetotail: A Statistical Study. *Geophysical Research Letters*, **2020**, 47, e2020GL088075	4.9	5
142	Distribution of energetic electrons in the near earth space: New observations from the BeiDa Imaging Electron Spectrometer and the Van Allen Probes. *Planetary and Space Science*, **2020**, 186, 104919	2	3
141	Interactions Between ULF Waves and Cold Plasmaspheric Particles. *Geophysical Monograph Series*, **2020**, 265-284	1.1	
140	Simultaneous Observations of Localized and Global Drift‐Resonance. *Geophysical Research Letters*, **2020**, 47, e2020GL088019	4.9	5
139	Ultra-Low-Frequency Wave‐Particle Interactions in Earth's Outer Radiation Belt. *Geophysical Monograph Series*, **2020**, 189-205	1.1	2
138	Pitch Angle Structures of Ring Current Ions Induced by Evolving Poloidal Ultra-Low Frequency Waves. *Geophysical Research Letters*, **2020**, 47, e2020GL087203	4.9	8
137	Cluster Observations on Time-of-Flight Effect of Oxygen Ions in Magnetotail Reconnection Exhaust Region. *Geophysical Research Letters*, **2020**, 47, e2019GL085200	4.9	0
136	BeiDa Imaging Electron Spectrometer observation of multi-period electron flux modulation caused by localized ultra-low-frequency waves. *Annales Geophysicae*, **2020**, 38, 801-813	2	1
135	The Formation of Saturn's and Jupiter's Electron Radiation Belts by Magnetospheric Electric Fields. *Astrophysical Journal Letters*, **2020**, 905, L10	7.9	6
134	Roles of Magnetospheric Convection on Nonlinear Drift Resonance Between Electrons and ULF Waves. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027787	2.6	3
133	On the Formation of Wedge-Like Ion Spectral Structures in the Nightside Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028420	2.6	4
132	Drift-Bounce Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027067	2.6	14

131	Magnetotail dipolarization fronts and particle acceleration: A review. *Science China Earth Sciences*, **2020**, 63, 235-256	4.6	43
130	Origin of Electron Boomerang Stripes: Localized ULF Wave-Particle Interactions. *Geophysical Research Letters*, **2020**, 47, e2020GL087960	4.9	5
129	Simultaneously Formed Wedge-Like Structures of Different Ion Species Deep in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028192	2.6	4
128	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088855	4.9	12
127	A Short-lived Three-Belt Structure for sub-MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028031	2.6	2
126	Explosive Magnetotail Activity. *Space Science Reviews*, **2019**, 215, 31	7.5	48
125	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. *Space Science Reviews*, **2019**, 215, 1	7.5	30
124	On the Origin of Perpendicular Ion Anisotropy Inside Dipolarizing Flux Bundles. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4009-4021	2.6	2
123	Field-Aligned Structures of the Poloidal-Mode ULF Wave Electric Field: Phase Relationship Implications. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3410-3420	2.6	11
122	Small-Scale Aurora Associated With Magnetospheric Flow Vortices After a Solar Wind Dynamic Pressure Decrease. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3303-3311	2.6	2
121	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1525-1538	2.6	32
120	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. *Nature Communications*, **2019**, 10, 1040	17.4	27
119	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. *Geophysical Research Letters*, **2019**, 46, 9308-9317	4.9	7
118	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. *Geophysical Research Letters*, **2019**, 46, 8633-8642	4.9	10
117	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7954-7965	2.6	10
116	A Statistical Study of the Force Balance and Structure in the Flux Ropes in Mercury's Magnetotail. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5143-5157	2.6	7
115	Understanding Electron Dropout Echoes Induced by Interplanetary Shocks: Test Particle Simulations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6759-6775	2.6	6
114	Spectral Signatures of Adiabatic Electron Acceleration at Saturn Through Corotation Drift Cancelation. *Geophysical Research Letters*, **2019**, 46, 10240-10249	4.9	8

113	Poleward-moving recurrent auroral arcs associated with impulse-excited standing hydromagnetic waves. *Earth and Planetary Physics*, **2019**, 3, 305-313	1.6	2
112	Heating of multi-species upflowing ion beams observed by Cluster on March 28, 2001. *Earth and Planetary Physics*, **2019**, 3, 204-211	1.6	
111	Pc4-5 Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9986-9998	2.6	5
110	Oxygen Ion Butterfly Distributions Observed in a Magnetotail Dipolarizing Flux Bundle. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 10219-10229	2.6	2
109	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. *Geophysical Research Letters*, **2019**, 46, 523-533	4.9	35
108	Monte Carlo simulations of the sensor head of imaging energetic electron spectrometer onboard a Chinese IGSO navigation satellite. *Science China Technological Sciences*, **2019**, 62, 1169-1181	3.5	4
107	Spatial Distribution and Semiannual Variation of Cold-Dense Plasma Sheet. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 464-472	2.6	3
106	On the Acceleration and Anisotropy of Ions Within Magnetotail Dipolarizing Flux Bundles. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 429-442	2.6	28
105	Near-Earth Reconnection Ejecta at Lunar Distances. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2736-2744	2.6	15
104	The Current System of Dipolarizing Flux Bundles and Their Role as Wedgelets in the Substorm Current Wedge. *Geophysical Monograph Series*, **2018**, 323-337	1.1	6
103	Poloidal Mode Wave-Particle Interactions Inferred From Van Allen Probes and CARISMA Ground-Based Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4652-4667	2.6	17
102	Oxygen Ion Reflection at Earthward Propagating Dipolarization Fronts in the Magnetotail. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6277-6288	2.6	6
101	Test particle simulation on the ion and electron zebra stripes and their time evolution in inner radiation belt. *Science China Technological Sciences*, **2018**, 61, 623-632	3.5	5
100	Nightside ULF Waves Observed in the Topside Ionosphere by the DEMETER Satellite. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7726-7739	2.6	3
99	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. *Geophysical Research Letters*, **2018**, 45, 8773-8782	4.9	18
98	Imaging energetic electron spectrometer onboard a Chinese navigation satellite in the inclined GEO orbit. *Science China Technological Sciences*, **2018**, 61, 1845-1865	3.5	9
97	Traveling Ultralow-Frequency Waves and Their Influences Over Low-Energy, Charged Particles. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3848-3858	2.6	3
96	Rippled Electron-Scale Structure of a Dipolarization Front. *Geophysical Research Letters*, **2018**, 45, 12,116-12,124	4.9	17

95	Observations of kinetic-size magnetic holes in the magnetosheath. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1990-2000	2.6	54
94	Characteristics of ion distribution functions in dipolarizing flux bundles: Event studies. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5965-5978	2.6	26
93	Charged particle behavior in localized ultralow frequency waves: Theory and observations. *Geophysical Research Letters*, **2017**, 44, 5900-5908	4.9	38
92	Phase relationship between ULF waves and drift-bounce resonant ions: A statistical study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7087-7096	2.6	20
91	Van Allen Probes observation of a 360□phase shift in the flux modulation of injected electrons by ULF waves. *Geophysical Research Letters*, **2017**, 44, 1614	4.9	11
90	Ultralow frequency wave characteristics extracted from particle data: Application of IGSO observations. *Science China Technological Sciences*, **2017**, 60, 419-424	3.5	17
89	Low-Energy (. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9969-9982	2.6	21
88	The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earth□ magnetosphere. *Reviews of Modern Plasma Physics*, **2017**, 1, 1	5.6	82
87	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. *Geophysical Research Letters*, **2017**, 44, 7618-7627	4.9	44
86	Ion velocity distributions in dipolarization events: Distributions in the central plasma sheet. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8014-8025	2.6	26
85	Electron dropout echoes induced by interplanetary shock: A statistical study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8037-8050	2.6	7
84	Characteristics of high-latitude precursor flows ahead of dipolarization fronts. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5307-5320	2.6	4
83	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,212-12,228	2.6	17
82	Corotating drift-bounce resonance of plasmaspheric electron with poloidal ULF waves. *Earth and Planetary Physics*, **2017**, 1, 2-12	1.6	10
81	Electromagnetic disturbances observed near the dip region ahead of dipolarization front. *Geophysical Research Letters*, **2016**, 43, 3026-3034	4.9	4
80	Understanding the ion distributions near the boundaries of reconnection outflow region. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9400-9410	2.6	5
79	Interaction of ULF waves with different ion species: Pitch angle and phase space density implications. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9459-9472	2.6	31
78	Radial propagation of magnetospheric substorm-injected energetic electrons observed using a BD-IES instrument and Van Allen Probes. *Science China Earth Sciences*, **2016**, 59, 1508-1516	4.6	15

77	THEMIS statistical study on the plasma properties of high-speed flows in Earth's magnetotail. *Science China Earth Sciences*, **2016**, 59, 548-555	4.6	2
76	Contribution of ion reflection to the energy budgets of dipolarization fronts. *Geophysical Research Letters*, **2016**, 43, 493-500	4.9	14
75	Statistics of the field-aligned currents at the high-latitude energetic electron boundaries in the nightside: Cluster observation. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1979-1989	2.6	3
74	Structure and evolution of electron "zebra stripes" in the inner radiation belt. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4145-4157	2.6	12
73	Charged particle behavior in the growth and damping stages of ultralow frequency waves: Theory and Van Allen Probes observations. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3254-3263	2.6	52
72	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6262-6276	2.6	11
71	Simulation of bounce resonance ULF wave-particle interactions **2016**,		1
70	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. *Geophysical Research Letters*, **2016**, 43, 5597-5605	4.9	17
69	The interaction between ULF waves and thermal plasma ions at the plasmaspheric boundary layer during substorm activity. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 1133-1143	2.6	21
68	Substorm current wedge composition by wedgelets. *Geophysical Research Letters*, **2015**, 42, 1669-1676	4.9	47
67	Cross-tail expansion of dipolarizing flux bundles. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2516-2530	2.6	23
66	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4369-4383	2.6	90
65	On the generation of magnetic dips ahead of advancing dipolarization fronts. *Geophysical Research Letters*, **2015**, 42, 4256-4262	4.9	28
64	Imprints of impulse-excited hydromagnetic waves on electrons in the Van Allen radiation belts. *Geophysical Research Letters*, **2015**, 42, 6199-6204	4.9	34
63	Ion beams in the plasma sheet boundary layer. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7522-7535	2.6	15
62	Ion acceleration and reflection on magnetotail antidipolarization fronts. *Geophysical Research Letters*, **2015**, 42, 9166-9175	4.9	12
61	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. *Nature Communications*, **2015**, 6, 10096	17.4	57
60	Magnetospheric ULF waves with increasing amplitude related to solar wind dynamic pressure changes: The Time History of Events and Macroscale Interactions during Substorms (THEMIS) observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7179-7190	2.6	22

59	A physical explanation for the magnetic decrease ahead of dipolarization fronts. *Annales Geophysicae*, **2015**, 33, 1301-1309	2	34
58	Magnetic flux transport by dipolarizing flux bundles. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 909-926	2.6	124
57	Current reduction in a pseudo-breakup event: THEMIS observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8178-8187	2.6	14
56	Lunar dayside current in the terrestrial lobe: ARTEMIS observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3381-3391	2.6	9
55	Interactions of energetic electrons with ULF waves triggered by interplanetary shock: Van Allen Probes observations in the magnetotail. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8262-8273	2.6	47
54	Solar wind pressure pulse-driven magnetospheric vortices and their global consequences. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 4274-4280	2.6	41
53	On the origin of pressure and magnetic perturbations ahead of dipolarization fronts. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 211-220	2.6	51
52	Asymmetric braking and dawnward deflection of dipolarization fronts: Effects of ion reflection. *Geophysical Research Letters*, **2014**, 41, 6994-7001	4.9	17
51	Antidipolarization fronts observed by ARTEMIS. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 7181-7198	2.6	22
50	Electromagnetic energy conversion at reconnection fronts. *Science*, **2013**, 341, 1478-82	33.3	198
49	ARTEMIS observations of lunar pickup ions: Mass constraints on ion species. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1766-1774	4.1	13
48	On the current sheets surrounding dipolarizing flux bundles in the magnetotail: The case for wedgelets. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2000-2020	2.6	231
47	Electron fluxes and pitch-angle distributions at dipolarization fronts: THEMIS multipoint observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 744-755	2.6	65
46	Interplanetary shock□induced current sheet disturbances leading to auroral activations: THEMIS observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3173-3187	2.6	12
45	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 284-298	2.6	49
44	On the role of pressure and flow perturbations around dipolarizing flux bundles. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7104-7118	2.6	60
43	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1904-1911	2.6	35
42	Plasmoid growth and expulsion revealed by two-point ARTEMIS observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2133-2144	2.6	12

41	Emergence of the active magnetotail plasma sheet boundary from transient, localized ion acceleration. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		41
40	On the formation of pre-onset azimuthal pressure gradient in the near-Earth plasma sheet. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		17
39	Multipoint observations of dipolarization front formation by magnetotail reconnection. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		76
38	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		23
37	Dipolarization fronts and associated auroral activities: 2. Acceleration of ions and their subsequent behavior. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		37
36	On the force balance around dipolarization fronts within bursty bulk flows. *Journal of Geophysical Research*, **2011**, 116,		55
35	Current carriers near dipolarization fronts in the magnetotail: A THEMIS event study. *Journal of Geophysical Research*, **2011**, 116,		50
34	On the nature of precursor flows upstream of advancing dipolarization fronts. *Journal of Geophysical Research*, **2011**, 116,		64
33	A THEMIS multicase study of dipolarization fronts in the magnetotail plasma sheet. *Journal of Geophysical Research*, **2011**, 116,		263
32	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. *Journal of Geophysical Research*, **2011**, 116,		50
31	THEMIS observations of earthward convected flux ropes triggering field dipolarization/substorm expansion and associated particle energization. *Annales Geophysicae*, **2011**, 29, 2117-2130	2	9
30	A THEMIS multicase study of dipolarization fronts in the magnetotail plasma sheet **2011**, 116,		1
29	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		42
28	Accelerated ions ahead of earthward propagating dipolarization fronts. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		138
27	Geometry, Electronic Properties, and Hydrogen Adsorption Properties of Li3N-Based Nanostructures. *Journal of Physical Chemistry C*, **2010**, 114, 19202-19205	3.8	6
26	Comment on "Tail reconnection triggering substorm onset". *Science*, **2009**, 324, 1391	33.3	45
25	Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		228
24	Ion distributions near the reconnection sites: Comparison between simulations and THEMIS observations. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		19

23	Magnetosphere-ionosphere/thermosphere coupling: Self-consistent solutions for a one-dimensional stratified ionosphere in three-fluid theory. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		23
22	Thin current sheet in the substorm late growth phase: Modeling of THEMIS observations. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		53
21	On the error estimation of multi-spacecraft timing method. *Annales Geophysicae*, **2009**, 27, 3949-3955	2	10
20	Modeling a force-free flux transfer event probed by multiple Time History of Events and Macroscale Interactions during Substorms (THEMIS) spacecraft. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		32
19	Multipoint in situ and ground-based observations during auroral intensifications. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		17
18	Tail reconnection triggering substorm onset. *Science*, **2008**, 321, 931-5	33.3	464
17	Roles of initial current carrier in the distribution of field-aligned current in 3-D Hall MHD simulations. *Science in China Series D: Earth Sciences*, **2008**, 51, 323-336		2
16	Multi-spacecraft observations of ULF waves during the recovery phase of magnetic storm on October 30, 2003. *Science in China Series D: Earth Sciences*, **2008**, 51, 1772-1785		10
15	Numerical study on ULF waves in a dipole field excited by sudden impulse. *Science in China Series D: Earth Sciences*, **2008**, 51, 1665-1676		13
14	Coordinated Cluster/Double Star observations of dayside flux transfer events on 6 April 2004. *Science in China Series D: Earth Sciences*, **2008**, 51, 1611-1619		1
13	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. *Geophysical Research Letters*, **2007**, 34,	4.9	15
12	Ultralow frequency modulation of energetic particles in the dayside magnetosphere. *Geophysical Research Letters*, **2007**, 34,	4.9	148
11	Global view of dayside magnetic reconnection with the dusk-dawn IMF orientation: A statistical study for Double Star and Cluster data. *Geophysical Research Letters*, **2007**, 34,	4.9	51
10	Correction to Ultralow frequency modulation of energetic particles in the dayside magnetosphere *Geophysical Research Letters*, **2007**, 34,	4.9	2
9	Effect of upward ion on field-aligned currents in the near-earth magnetotail **2007**, 50, 673-680		2
8	Energy filter effect for solar wind particle entry to the plasma sheet via flank regions during southward interplanetary magnetic field. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		12
7	Multiple Triangulation Analysis: another approach to determine the orientation of magnetic flux ropes. *Annales Geophysicae*, **2006**, 24, 1759-1765	2	15
6	Energetic ion injection and formation of the storm-time symmetric ring current. *Annales Geophysicae*, **2006**, 24, 3547-3556	2	7

5	The cusp: a window for particle exchange between the radiation belt and the solar wind. *Annales Geophysicae*, **2006**, 24, 3131-3137	2	5
4	Multiple triangulation analysis: application to determine the velocity of 2-D structures. *Annales Geophysicae*, **2006**, 24, 3173-3177	2	9
3	Ion composition variations in the plasma sheet observed by Cluster/RAPID. *Geophysical Research Letters*, **2005**, 32,	4.9	11
2	Zebra stripe patterns in energetic ion spectra at Saturn. *Geophysical Research Letters*,	4.9	1
1	Nonlinear wave growth analysis of chorus emissions modulated by ULF waves. *Geophysical Research Letters*,	4.9	5