

X-Z Zhou

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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	Tail reconnection triggering substorm onset. <i>Science</i> , 2008 , 321, 931-5	33.3	464
165	A THEMIS multicasestudy of dipolarization fronts in the magnetotail plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116,		263
164	On the current sheets surrounding dipolarizing flux bundles in the magnetotail: The case for wedgelets. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2000-2020	2.6	231
163	Energetic electron response to ULF waves induced by interplanetary shocks in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		228
162	Electromagnetic energy conversion at reconnection fronts. <i>Science</i> , 2013 , 341, 1478-82	33.3	198
161	Ultralow frequency modulation of energetic particles in the dayside magnetosphere. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	148
160	Accelerated ions ahead of earthward propagating dipolarization fronts. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		138
159	Magnetic flux transport by dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 909-926	2.6	124
158	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4369-4383	2.6	90
157	The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earth's magnetosphere. <i>Reviews of Modern Plasma Physics</i> , 2017 , 1, 1	5.6	82
156	Multipoint observations of dipolarization front formation by magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		76
155	Electron fluxes and pitch-angle distributions at dipolarization fronts: THEMIS multipoint observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 744-755	2.6	65
154	On the nature of precursor flows upstream of advancing dipolarization fronts. <i>Journal of Geophysical Research</i> , 2011 , 116,		64
153	On the role of pressure and flow perturbations around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7104-7118	2.6	60
152	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015 , 6, 10096	17.4	57
151	On the force balance around dipolarization fronts within bursty bulk flows. <i>Journal of Geophysical Research</i> , 2011 , 116,		55
150	Observations of kinetic-size magnetic holes in the magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1990-2000	2.6	54

149	Thin current sheet in the substorm late growth phase: Modeling of THEMIS observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		53
148	Charged particle behavior in the growth and damping stages of ultralow frequency waves: Theory and Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3254-3263 ^{2.6}		52
147	On the origin of pressure and magnetic perturbations ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 211-220	2.6	51
146	Global view of dayside magnetic reconnection with the dusk-dawn IMF orientation: A statistical study for Double Star and Cluster data. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	51
145	Current carriers near dipolarization fronts in the magnetotail: A THEMIS event study. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
144	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
143	THEMIS observations of ULF wave excitation in the nightside plasma sheet during sudden impulse events. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 284-298	2.6	49
142	Explosive Magnetotail Activity. <i>Space Science Reviews</i> , 2019 , 215, 31	7.5	48
141	Substorm current wedge composition by wedgelets. <i>Geophysical Research Letters</i> , 2015 , 42, 1669-1676	4.9	47
140	Interactions of energetic electrons with ULF waves triggered by interplanetary shock: Van Allen Probes observations in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8262-8273 ^{2.6}		47
139	Comment on "Tail reconnection triggering substorm onset". <i>Science</i> , 2009 , 324, 1391	33.3	45
138	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerang-shaped pitch angle evolutions. <i>Geophysical Research Letters</i> , 2017 , 44, 7618-7627	4.9	44
137	Magnetotail dipolarization fronts and particle acceleration: A review. <i>Science China Earth Sciences</i> , 2020 , 63, 235-256	4.6	43
136	THEMIS observations of substorms on 26 February 2008 initiated by magnetotail reconnection. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		42
135	Solar wind pressure pulse-driven magnetospheric vortices and their global consequences. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4274-4280	2.6	41
134	Emergence of the active magnetotail plasma sheet boundary from transient, localized ion acceleration. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		41
133	Charged particle behavior in localized ultralow frequency waves: Theory and observations. <i>Geophysical Research Letters</i> , 2017 , 44, 5900-5908	4.9	38
132	Dipolarization fronts and associated auroral activities: 2. Acceleration of ions and their subsequent behavior. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		37

131	Three-dimensional magnetic flux rope structure formed by multiple sequential X-line reconnection at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1904-1911	2.6	35
130	Waves in Kinetic-Scale Magnetic Dips: MMS Observations in the Magnetosheath. <i>Geophysical Research Letters</i> , 2019 , 46, 523-533	4.9	35
129	Imprints of impulse-excited hydromagnetic waves on electrons in the Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2015 , 42, 6199-6204	4.9	34
128	A physical explanation for the magnetic decrease ahead of dipolarization fronts. <i>Annales Geophysicae</i> , 2015 , 33, 1301-1309	2	34
127	Global-Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1525-1538	2.6	32
126	Modeling a force-free flux transfer event probed by multiple Time History of Events and Macroscale Interactions during Substorms (THEMIS) spacecraft. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		32
125	Interaction of ULF waves with different ion species: Pitch angle and phase space density implications. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9459-9472	2.6	31
124	Dimensionality, Coordinate System and Reference Frame for Analysis of In-Situ Space Plasma and Field Data. <i>Space Science Reviews</i> , 2019 , 215, 1	7.5	30
123	On the generation of magnetic dips ahead of advancing dipolarization fronts. <i>Geophysical Research Letters</i> , 2015 , 42, 4256-4262	4.9	28
122	On the Acceleration and Anisotropy of Ions Within Magnetotail Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 429-442	2.6	28
121	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. <i>Nature Communications</i> , 2019 , 10, 1040	17.4	27
120	Rippled Electron-Scale Structure of a Dipolarization Front. <i>Geophysical Research Letters</i> , 2018 , 45, 12,116-12,124	4.12	27
119	Characteristics of ion distribution functions in dipolarizing flux bundles: Event studies. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5965-5978	2.6	26
118	Ion velocity distributions in dipolarization events: Distributions in the central plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8014-8025	2.6	26
117	Cross-tail expansion of dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2516-2530	2.6	23
116	Dipolarization fronts and associated auroral activities: 1. Conjugate observations and perspectives from global MHD simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		23
115	Magnetosphere-ionosphere/thermosphere coupling: Self-consistent solutions for a one-dimensional stratified ionosphere in three-fluid theory. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		23
114	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. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7179-7190	2.6	22

113	Antidipolarization fronts observed by ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7181-7198	2.6	22
112	Low-Energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9969-9982	2.6	21
111	The interaction between ULF waves and thermal plasma ions at the plasmaspheric boundary layer during substorm activity. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1133-1143	2.6	21
110	Phase relationship between ULF waves and drift-bounce resonant ions: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7087-7096	2.6	20
109	Ion distributions near the reconnection sites: Comparison between simulations and THEMIS observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		19
108	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 8773-8782	4.9	18
107	Ultralow frequency wave characteristics extracted from particle data: Application of IGSO observations. <i>Science China Technological Sciences</i> , 2017 , 60, 419-424	3.5	17
106	Poloidal Mode Wave-Particle Interactions Inferred From Van Allen Probes and CARISMA Ground-Based Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4652-4667	2.6	17
105	Asymmetric braking and dawnward deflection of dipolarization fronts: Effects of ion reflection. <i>Geophysical Research Letters</i> , 2014 , 41, 6994-7001	4.9	17
104	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,212-12,228	2.6	17
103	On the formation of pre-onset azimuthal pressure gradient in the near-Earth plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		17
102	Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		17
101	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2016 , 43, 5597-5605	4.9	17
100	Near-Earth Reconnection Ejecta at Lunar Distances. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2736-2744	2.6	15
99	Radial propagation of magnetospheric substorm-injected energetic electrons observed using a BD-IES instrument and Van Allen Probes. <i>Science China Earth Sciences</i> , 2016 , 59, 1508-1516	4.6	15
98	Ion beams in the plasma sheet boundary layer. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7522-7535	2.6	15
97	TC1 and Cluster observation of an FTE on 4 January 2005: A close conjunction. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	15
96	Multiple Triangulation Analysis: another approach to determine the orientation of magnetic flux ropes. <i>Annales Geophysicae</i> , 2006 , 24, 1759-1765	2	15

95	Current reduction in a pseudo-breakup event: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8178-8187	2.6	14
94	Drift-Bounce Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027067	2.6	14
93	Contribution of ion reflection to the energy budgets of dipolarization fronts. <i>Geophysical Research Letters</i> , 2016 , 43, 493-500	4.9	14
92	ARTEMIS observations of lunar pickup ions: Mass constraints on ion species. <i>Journal of Geophysical Research E: Planets</i> , 2013 , 118, 1766-1774	4.1	13
91	Numerical study on ULF waves in a dipole field excited by sudden impulse. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 1665-1676		13
90	Ion acceleration and reflection on magnetotail antidipolarization fronts. <i>Geophysical Research Letters</i> , 2015 , 42, 9166-9175	4.9	12
89	Interplanetary shock-induced current sheet disturbances leading to auroral activations: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3173-3187	2.6	12
88	Plasmoid growth and expulsion revealed by two-point ARTEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2133-2144	2.6	12
87	Energy filter effect for solar wind particle entry to the plasma sheet via flank regions during southward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		12
86	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088855	4.9	12
85	Structure and evolution of electron zebra stripes in the inner radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4145-4157	2.6	12
84	Van Allen Probes observation of a 360° phase shift in the flux modulation of injected electrons by ULF waves. <i>Geophysical Research Letters</i> , 2017 , 44, 1614	4.9	11
83	Field-Aligned Structures of the Poloidal-Mode ULF Wave Electric Field: Phase Relationship Implications. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3410-3420	2.6	11
82	Ion composition variations in the plasma sheet observed by Cluster/RAPID. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	11
81	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6262-6276	2.6	11
80	ULF Waves Modulating and Acting as Mass Spectrometer for Dayside Ionospheric Outflow Ions. <i>Geophysical Research Letters</i> , 2019 , 46, 8633-8642	4.9	10
79	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7954-7965	2.6	10
78	Multi-spacecraft observations of ULF waves during the recovery phase of magnetic storm on October 30, 2003. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 1772-1785		10

77	Corotating drift-bounce resonance of plasmaspheric electron with poloidal ULF waves. <i>Earth and Planetary Physics</i> , 2017 , 1, 2-12	1.6	10
76	On the error estimation of multi-spacecraft timing method. <i>Annales Geophysicae</i> , 2009 , 27, 3949-3955	2	10
75	Lunar dayside current in the terrestrial lobe: ARTEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3381-3391	2.6	9
74	THEMIS observations of earthward convected flux ropes triggering field dipolarization/substorm expansion and associated particle energization. <i>Annales Geophysicae</i> , 2011 , 29, 2117-2130	2	9
73	Multiple triangulation analysis: application to determine the velocity of 2-D structures. <i>Annales Geophysicae</i> , 2006 , 24, 3173-3177	2	9
72	Imaging energetic electron spectrometer onboard a Chinese navigation satellite in the inclined GEO orbit. <i>Science China Technological Sciences</i> , 2018 , 61, 1845-1865	3.5	9
71	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , 2020 , 11, 5616	17.4	8
70	Pitch Angle Structures of Ring Current Ions Induced by Evolving Poloidal Ultra-Low Frequency Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087203	4.9	8
69	Spectral Signatures of Adiabatic Electron Acceleration at Saturn Through Corotation Drift Cancellation. <i>Geophysical Research Letters</i> , 2019 , 46, 10240-10249	4.9	8
68	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. <i>Geophysical Research Letters</i> , 2019 , 46, 9308-9317	4.9	7
67	A Statistical Study of the Force Balance and Structure in the Flux Ropes in Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5143-5157	2.6	7
66	Electron dropout echoes induced by interplanetary shock: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8037-8050	2.6	7
65	Energetic ion injection and formation of the storm-time symmetric ring current. <i>Annales Geophysicae</i> , 2006 , 24, 3547-3556	2	7
64	Inner Magnetospheric Magnetic Dips and Energetic Protons Trapped Therein: Multi-Spacecraft Observations and Simulations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092567	4.9	7
63	The Current System of Dipolarizing Flux Bundles and Their Role as Wedgelets in the Substorm Current Wedge. <i>Geophysical Monograph Series</i> , 2018 , 323-337	1.1	6
62	Oxygen Ion Reflection at Earthward Propagating Dipolarization Fronts in the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6277-6288	2.6	6
61	Understanding Electron Dropout Echoes Induced by Interplanetary Shocks: Test Particle Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6759-6775	2.6	6
60	Geometry, Electronic Properties, and Hydrogen Adsorption Properties of Li3N-Based Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19202-19205	3.8	6

59	The Formation of Saturn's and Jupiter's Electron Radiation Belts by Magnetospheric Electric Fields. <i>Astrophysical Journal Letters</i> , 2020 , 905, L10	7.9	6
58	Drift Resonance Between Particles and Compressional Toroidal ULF Waves in Dipole Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028842	2.6	6
57	Statistical properties of kinetic-scale magnetic holes in terrestrial space. <i>Earth and Planetary Physics</i> , 2021 , 5, 63-72	1.6	6
56	Proton Properties in Mercury's Magnetotail: A Statistical Study. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088075	4.9	5
55	Simultaneous Observations of Localized and Global Drift-Resonance. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088019	4.9	5
54	Understanding the ion distributions near the boundaries of reconnection outflow region. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9400-9410	2.6	5
53	Test particle simulation on the ion and electron zebra stripes and their time evolution in inner radiation belt. <i>Science China Technological Sciences</i> , 2018 , 61, 623-632	3.5	5
52	The cusp: a window for particle exchange between the radiation belt and the solar wind. <i>Annales Geophysicae</i> , 2006 , 24, 3131-3137	2	5
51	Origin of Electron Boomerang Stripes: Localized ULF Wave-Particle Interactions. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087960	4.9	5
50	Pc4-5 Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9986-9998	2.6	5
49	Observational evidence of ring current in the magnetosphere of Mercury.. <i>Nature Communications</i> , 2022 , 13, 924	17.4	5
48	Nonlinear wave growth analysis of chorus emissions modulated by ULF waves. <i>Geophysical Research Letters</i> ,	4.9	5
47	Electromagnetic disturbances observed near the dip region ahead of dipolarization front. <i>Geophysical Research Letters</i> , 2016 , 43, 3026-3034	4.9	4
46	Characteristics of high-latitude precursor flows ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5307-5320	2.6	4
45	On the Formation of Wedge-Like Ion Spectral Structures in the Nightside Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028420	2.6	4
44	Simultaneously Formed Wedge-Like Structures of Different Ion Species Deep in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028192	2.6	4
43	Monte Carlo simulations of the sensor head of imaging energetic electron spectrometer onboard a Chinese IGSO navigation satellite. <i>Science China Technological Sciences</i> , 2019 , 62, 1169-1181	3.5	4
42	Statistical Characteristics of Substorms With Different Intensity. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029318	2.6	4

41	Distribution of energetic electrons in the near earth space: New observations from the BeiDa Imaging Electron Spectrometer and the Van Allen Probes. <i>Planetary and Space Science</i> , 2020 , 186, 104919		3
40	Spatial Distribution and Semiannual Variation of Cold-Dense Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 464-472	2.6	3
39	Nightside ULF Waves Observed in the Topside Ionosphere by the DEMETER Satellite. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7726-7739	2.6	3
38	Roles of Magnetospheric Convection on Nonlinear Drift Resonance Between Electrons and ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027787	2.6	3
37	Statistics of the field-aligned currents at the high-latitude energetic electron boundaries in the nightside: Cluster observation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1979-1989	2.6	3
36	On the Origin of Donut-Shaped Electron Distributions Within Magnetic Cavities. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091613	4.9	3
35	Traveling Ultralow-Frequency Waves and Their Influences Over Low-Energy, Charged Particles. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3848-3858	2.6	3
34	Off-Equatorial Minima Effects on ULF Wave-Ion Interaction in the Dayside Outer Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095648	4.9	3
33	On the Origin of Perpendicular Ion Anisotropy Inside Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4009-4021	2.6	2
32	Small-Scale Aurora Associated With Magnetospheric Flow Vortices After a Solar Wind Dynamic Pressure Decrease. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3303-3311	2.6	2
31	North-South Asymmetric Nightside Distorted Transpolar Arcs Within A Framework of Deformed Magnetosphere-Ionosphere Coupling: IMF-By Dependence, Ionospheric Currents, and Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, 2020JA027991	2.6	2
30	Ultra-Low-Frequency WaveParticle Interactions in Earth's Outer Radiation Belt. <i>Geophysical Monograph Series</i> , 2020 , 189-205	1.1	2
29	THEMIS statistical study on the plasma properties of high-speed flows in Earth's magnetotail. <i>Science China Earth Sciences</i> , 2016 , 59, 548-555	4.6	2
28	Correction to Ultralow frequency modulation of energetic particles in the dayside magnetosphere. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	2
27	Effect of upward ion on field-aligned currents in the near-earth magnetotail 2007 , 50, 673-680		2
26	Roles of initial current carrier in the distribution of field-aligned current in 3-D Hall MHD simulations. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 323-336		2
25	Origin of Frequency-Doubling and Shoulder-Like Magnetic Pulsations in ULF Waves. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL096532	4.9	2
24	Poleward-moving recurrent auroral arcs associated with impulse-excited standing hydromagnetic waves. <i>Earth and Planetary Physics</i> , 2019 , 3, 305-313	1.6	2

23	A Short-lived Three-Belt Structure for sub-MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028031	2.6	2
22	Helical Magnetic Cavities: Kinetic Model and Comparison With MMS Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092383	4.9	2
21	Sustained Oxygen Spectral Gaps and Their Dynamic Evolution in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029092	2.6	2
20	Oxygen Ion Butterfly Distributions Observed in a Magnetotail Dipolarizing Flux Bundle. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10219-10229	2.6	2
19	Saturn's Inner Magnetospheric Convection in the View of Zebra Stripe Patterns in Energetic Electron Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029600	2.6	2
18	Coordinated Cluster/Double Star observations of dayside flux transfer events on 6 April 2004. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 1611-1619		1
17	Normal- and Reversed-Boomerang Stripes on Electron Pitch Angle Distributions: Solar Wind Dynamic Pressure Effect. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
16	Zebra stripe patterns in energetic ion spectra at Saturn. <i>Geophysical Research Letters</i> ,	4.9	1
15	BeiDa Imaging Electron Spectrometer observation of multi-period electron flux modulation caused by localized ultra-low-frequency waves. <i>Annales Geophysicae</i> , 2020 , 38, 801-813	2	1
14	A THEMIS multicasestudy of dipolarization fronts in the magnetotail plasma sheet 2011 , 116,		1
13	Pitch Angle Phase Shift in Ring Current Ions Interacting With Ultra-Low-Frequency Waves: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029025	2.6	1
12	Origin of Electron Boomerang Stripes: Statistical Study. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093377	4.9	1
11	The Link Between Wedge-Like and Nose-Like Ion Spectral Structures in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093930	4.9	1
10	Simulation of bounce resonance ULF wave-particle interactions 2016 ,		1
9	Cluster Observations on Time-of-Flight Effect of Oxygen Ions in Magnetotail Reconnection Exhaust Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085200	4.9	0
8	Frequency-Dependent Responses of Plasmaspheric Hiss to the Impact of an Interplanetary Shock. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094810	4.9	0
7	On the Species Dependence of Ion Escapes Across the Magnetopause. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093115	4.9	0
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