

Lunjin Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

4,547
citations

39
h-index

60
g-index

172
ext. papers

5,147
ext. citations

4
avg, IF

5.7
L-index

#	Paper	IF	Citations
160	A Theoretical Framework of Chorus Wave Excitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022 , 127,	2.6	4
159	Ducted Chorus Waves Cause Sub-Relativistic and Relativistic Electron Microbursts. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	2
158	The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumets. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	2
157	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095933	4.9	0
156	Superposed Epoch Analyses of Electron-Driven and Proton-Driven Magnetic Dips. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094934	4.9	2
155	Whistler-Mode Waves Trapped by Density Irregularities in the Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092305	4.9	11
154	In Situ Observations of Whistler-Mode Chorus Waves Guided by Density Ducts. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028814	2.6	10
153	An Unexpected Whistler Wave Generation Around Dipolarization Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028957	2.6	2
152	A Statistical Study of Lower Hybrid Waves in the Earth's Magnetosphere by Van Allen Probes. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093168	4.9	2
151	Direct Evidence Reveals Transmitter Signal Propagation in the Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093987	4.9	2
150	ULF-Modulation of Whistler-Mode Waves in the Inner Magnetosphere During Solar Wind Compression. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029353	2.6	3
149	Observational Evidence of the Excitation of Magnetosonic Waves by an He ⁺⁺ Ion Ring Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029532	2.6	1
148	Frequency-Dependent Modulation of Whistler-Mode Waves by Density Irregularities During the Recovery Phase of a Geomagnetic Storm. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093095	4.9	1
147	Repetitive Emissions of Rising-Tone Chorus Waves in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094979	4.9	3
146	UBER v1.0: a universal kinetic equation solver for radiation belts. <i>Geoscientific Model Development</i> , 2021 , 14, 5825-5842	6.3	
145	Electron Microbursts Induced by Nonducted Chorus Waves. <i>Frontiers in Astronomy and Space Sciences</i> , 2021 , 8,	3.8	6
144	Alpha Transmitter Signal Reflection and Triggered Emissions. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090165	4.9	2

143	Wave Normal Angle Distribution of Magnetosonic Waves in the Earth's Magnetosphere: 2-D PIC Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028012	2.6	4
142	The Relation Between Electron Cyclotron Harmonic Waves and Plasmapause: Case and Statistical Studies. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087365	4.9	6
141	Particle-in-Cell Simulations of Characteristics of Rising-Tone Chorus Waves in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027961	2.6	1
140	Simultaneous Observations of ELF/VLF Rising-Tone Quasiperiodic Waves and Energetic Electron Precipitations in the High-Latitude Upper Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027574	2.6	5
139	Direct Evidence of the Pitch Angle Scattering of Relativistic Electrons Induced by EMIC Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085637	4.9	10
138	Spectral Broadening of NWC Transmitter Signals in the Ionosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088103	4.9	5
137	Global Simulation of Electron Cyclotron Harmonic Wave Instability in a Storm-Time Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086368	4.9	4
136	Two Dimensional Full-Wave Modeling of Propagation of Low-Altitude Hiss in the Ionosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086601	4.9	2
135	Modulation of Whistler Mode Waves by Ion-Scale Waves Observed in the Distant Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027278	2.6	3
134	Particle-in-Cell Simulation of Electron Cyclotron Harmonic Waves Driven by a Loss Cone Distribution. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087649	4.9	7
133	Two-Dimensional Full-Wave Simulation of Whistler Mode Wave Propagation Near the Local Lower Hybrid Resonance Frequency in a Dipole Field. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027750	2.6	5
132	Statistical Study of Chorus Modulations by Background Magnetic Field and Plasma Density. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089344	4.9	3
131	Chorus Acceleration of Relativistic Electrons in Extremely Low L-Shell During Geomagnetic Storm of August 2018. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086226	4.9	6
130	Wave-particle interactions with coherent magnetosonic waves 2020 , 99-120		
129	Particle-in-Cell Simulation of Rising-Tone Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089671	4.9	2
128	Statistical Study on Locally Generated High-Frequency Plasmaspheric Hiss and Its Effect on Suprathermal Electrons: Van Allen Probes Observation and Quasi-linear Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028526	2.6	6
127	Electron-Driven Magnetic Dip Embedded Within the Proton-Driven Magnetic Dip and the Related Echoes of Butterfly Distribution of Relativistic Electrons. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088983	4.9	3
126	Modeling of Bouncing Electron Microbursts Induced by Ducted Chorus Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089400	4.9	17

125	Ion Cyclotron Resonant Absorption Lines in ELF Hiss Power Spectral Density in the Low-Latitude Ionosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086315	4.9	3
124	Statistical Analysis on Plasmatrough Exohiss Waves From the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4356-4364	2.6	4
123	Statistical Characteristics of Ionospheric Hiss Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 7147-7156	4.9	10
122	Two-Dimensional gcPIC Simulation of Rising-Tone Chorus Waves in a Dipole Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4157-4167	2.6	31
121	Theoretical Prediction of Asymmetric Instability of Drift Kinetic Alfvén Waves in Anisotropic Plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4414-4423	2.6	1
120	Instability in a relativistic magnetized plasma. <i>Physics of Plasmas</i> , 2019 , 26, 042902	2.1	8
119	Modeling Energetic Electron Nonlinear Wave-Particle Interactions With Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3436-3453	2.6	10
118	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. <i>Physics of Plasmas</i> , 2019 , 26, 042110	2.1	9
117	Local Generation of High-Frequency Plasmaspheric Hiss Observed by Van Allen Probes. <i>Geophysical Research Letters</i> , 2019 , 46, 1141-1148	4.9	16
116	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus-to-Hiss Mechanism. <i>Geophysical Research Letters</i> , 2019 , 46, 2337-2346	4.9	28
115	Modulation of Locally Generated Equatorial Noise by ULF Wave. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2779-2787	2.6	6
114	Triggered Plasmaspheric Hiss: Rising Tone Structures. <i>Geophysical Research Letters</i> , 2019 , 46, 5034-5044	4.9	5
113	Wavenumber Analysis of EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 5689-5697	4.9	11
112	The Effects of Localized Thermal Pressure on Equilibrium Magnetic Fields and Particle Drifts in The Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5129-5142	2.6	4
111	Magnetospheric Multiscale Observation of Quasiperiodic EMIC Waves Associated With Enhanced Solar Wind Pressure. <i>Geophysical Research Letters</i> , 2019 , 46, 7096-7104	4.9	13
110	Statistical Results of the Power Gap Between Lower-Band and Upper-Band Chorus Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 4098-4105	4.9	17
109	Periodic Excitation of Chorus and ECH Waves Modulated by Ultralow Frequency Compressions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8535-8550	2.6	23
108	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12711-12721	4.9	14

107	On the Observation of Electrostatic Harmonics Associated With EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 14274-14281	4.9	7
106	Fast Magnetosonic Waves Observed by Van Allen Probes: Testing Local Wave Excitation Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 497-512	2.6	24
105	One-Dimensional Full Wave Simulation of Equatorial Magnetosonic Wave Propagation in an Inhomogeneous Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 587-599	2.6	13
104	On the Diffusion Rates of Electron Bounce Resonant Scattering by Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2018 , 45, 3328-3337	4.9	10
103	Generation of Lower Harmonic Magnetosonic Waves Through Nonlinear Wave-Wave Interactions. <i>Geophysical Research Letters</i> , 2018 , 45, 8029-8034	4.9	10
102	Examining Wave Vector and Minimum Cyclotron Resonant Electron Energy of EMIC Waves With Magnetospheric Multiscale Mission. <i>Geophysical Research Letters</i> , 2018 , 45, 10,138	4.9	5
101	An Event on Simultaneous Amplification of Exohiss and Chorus Waves Associated With Electron Density Enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8958-8968	2.6	5
100	Two-Dimensional Particle-in-Cell Simulation of Magnetosonic Wave Excitation in a Dipole Magnetic Field. <i>Geophysical Research Letters</i> , 2018 , 45, 8712-8720	4.9	10
99	Electron Cyclotron Harmonic Wave Instability by Loss Cone Distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9035-9044	2.6	14
98	The Response of the Energy Content of the Outer Electron Radiation Belt to Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8227-8240	2.6	1
97	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2605-2619	2.6	40
96	Observed Propagation Route of VLF Transmitter Signals in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5528-5537	2.6	15
95	Transitional behavior of different energy protons based on Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2017 , 44, 625-633	4.9	14
94	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1871-1882	2.6	9
93	Source of the low-altitude hiss in the ionosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 2060-2069	4.9	21
92	Generation of Multiband Chorus in the Earth's Magnetosphere: 1-D PIC Simulation. <i>Geophysical Research Letters</i> , 2017 , 44, 618-624	4.9	37
91	Spectral properties and associated plasma energization by magnetosonic waves in the Earth's magnetosphere: Particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5377-5390	2.6	28
90	Propagation characteristics of plasmaspheric hiss: Van Allen Probe observations and global empirical models. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4156-4167	2.6	31

89	Multiple-Satellite Observation of Magnetic Dip Event During the Substorm on 10 October 2013. <i>Geophysical Research Letters</i> , 2017 , 44, 9167-9175	4.9	17
88	Eigenmode analysis of compressional poloidal modes in a self-consistent magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,369	2.6	16
87	Relativistic electron butterfly pitch angle distribution modulated by localized background magnetic field perturbation driven by hot ring current ions. <i>Geophysical Research Letters</i> , 2017 , 44, 4393-4400	4.9	13
86	Quasilinear analysis of saturation properties of broadband whistler mode waves. <i>Geophysical Research Letters</i> , 2017 , 44, 8122-8129	4.9	22
85	The Radiation Belt Electron Scattering by Magnetosonic Wave: Dependence on Key Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,338	2.6	17
84	Analysis of the Duration of Rising Tone Chorus Elements. <i>Geophysical Research Letters</i> , 2017 , 44, 12,074	4.9	15
83	Van Allen Probes observations of whistler-mode chorus with long-lived oscillating tones. <i>Geophysical Research Letters</i> , 2017 , 44, 5909-5919	4.9	4
82	On the Origin of Ionospheric Hiss: A Conjugate Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,784-11,793	2.6	12
81	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,047	2.6	21
80	Relationship between Chorus and Plasmaspheric Hiss Waves. <i>Geophysical Monograph Series</i> , 2016 , 79-97	1.1	4
79	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8300-8316	2.6	14
78	Resonant excitation of whistler waves by a helical electron beam. <i>Geophysical Research Letters</i> , 2016 , 43, 2413-2421	4.9	25
77	LH power threshold studies with tungsten/carbon divertor on the EAST tokamak. <i>Radiation Effects and Defects in Solids</i> , 2016 , 171, 359-373	0.9	
76	STUDY OF UPML ABSORBING BOUNDARY CONDITION FOR THE FIVE-STEP LOD-FDTD METHOD. <i>Progress in Electromagnetics Research M</i> , 2016 , 47, 181-189	0.6	
75	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. I. Linear theory. <i>Physics of Plasmas</i> , 2016 , 23, 022901	2.1	18
74	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. II. Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2016 , 23, 022902	2.1	24
73	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016 , 43, 3009-3016	4.9	73
72	Asymmetric drift instability of magnetosonic waves in anisotropic plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 102107	2.1	4

71	Generation of multiband chorus by lower band cascade in the Earth's magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 2343-2350	4.9	50
70	Modulation of chorus intensity by ULF waves deep in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 9444-9452	4.9	30
69	North west cape-induced electron precipitation and theoretical simulation. <i>Chinese Physics B</i> , 2016 , 25, 119401	1.2	3
68	Modeling the storm time behavior of the magnetosonic waves using solar wind parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 446-458	2.6	9
67	Electron butterfly distribution modulation by magnetosonic waves. <i>Geophysical Research Letters</i> , 2016 , 43, 3051-3059	4.9	27
66	Generation of magnetosonic waves over a continuous spectrum. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1137-1147	2.6	30
65	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.6	44
64	Nonresonant interactions of electromagnetic ion cyclotron waves with relativistic electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9913-9925	2.6	44
63	How Whistler-Mode Waves and Thermal Plasma Density Control the Global Distribution of the Diffuse Aurora and the Dynamical Evolution of Radiation Belt Electrons. <i>Geophysical Monograph Series</i> , 2016 , 115-125	1.1	1
62	Comparison of formulas for resonant interactions between energetic electrons and oblique whistler-mode waves. <i>Physics of Plasmas</i> , 2015 , 22, 052902	2.1	11
61	Observations of discrete harmonics emerging from equatorial noise. <i>Nature Communications</i> , 2015 , 6, 7703	17.4	83
60	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4748-4762	2.6	50
59	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2015 , 42, 6170-6179	4.9	43
58	Observations of discrete magnetosonic waves off the magnetic equator. <i>Geophysical Research Letters</i> , 2015 , 42, 9694-9701	4.9	27
57	Nonlinear bounce resonances between magnetosonic waves and equatorially mirroring electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6514-6527	2.6	57
56	Wave normal angle and frequency characteristics of magnetosonic wave linear instability. <i>Geophysical Research Letters</i> , 2015 , 42, 4709-4715	4.9	27
55	Responses of relativistic electron fluxes in the outer radiation belt to geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9513-9523	2.6	16
54	A possible mechanism for the formation of filamentous structures in magnetoplasmas by kinetic Alfvén waves. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 61-69	2.6	10

53	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. <i>Geophysical Research Letters</i> , 2015 , 42, 241-248	4.9	39
52	Whistler mode wave generation at the edges of a magnetic dip. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2469-2476	2.6	14
51	Interactions between magnetosonic waves and radiation belt electrons: Comparisons of quasi-linear calculations with test particle simulations. <i>Geophysical Research Letters</i> , 2014 , 41, 4828-4834	4.9	60
50	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014 , 41, 6307-6313	4.9	41
49	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 5702-5709	4.9	44
48	EXCITATION OF KINETIC ALFVÉN WAVES BY FAST ELECTRON BEAMS. <i>Astrophysical Journal</i> , 2014 , 793, 13	4.7	17
47	Magnetosonic wave excitation by ion ring distributions in the Earth's inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 844-852	2.6	74
46	An oscillator model representative of electron interactions with EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1951-1959	2.6	2
45	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2963-2977	2.6	29
44	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014 , 41, 1854-1861	4.9	95
43	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014 , 41, 7419-7426	4.9	55
42	An improved dispersion relation for parallel propagating electromagnetic waves in warm plasmas: Application to electron scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2185-2195	2.6	46
41	EXCITATION OF KINETIC ALFVÉN WAVES BY DENSITY STRIATION IN MAGNETO-PLASMAS. <i>Astrophysical Journal</i> , 2013 , 771, 3	4.7	19
40	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013 , 504, 411-4	50.4	481
39	Impact of cold O ⁺ ions on the generation and evolution of EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 434-445	2.6	32
38	Modeling the wave normal distribution of chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1074-1088	2.6	65
37	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1461-1471	2.6	89
36	Global statistical evidence for chorus as the embryonic source of plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2013 , 40, 2891-2896	4.9	49

35	Kinetic Alfvén wave instability driven by field-aligned currents in a low- β plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2951-2957	2.6	24
34	EMIC waves growth and guiding in the presence of cold plasma density irregularities. <i>Geophysical Research Letters</i> , 2013 , 40, 1940-1944	4.9	18
33	Resonant scattering and resultant pitch angle evolution of relativistic electrons by plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 7740-7751	2.6	150
32	Modeling ring current ion and electron dynamics and plasma instabilities during a high-speed stream driven storm. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		65
31	Amplification of whistler-mode hiss inside the plasmasphere. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	64
30	Perpendicular propagation of magnetosonic waves. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	61
29	THEMIS observations and modeling of multiple ion species and EMIC waves: Implications for a vanishing He ⁺ stop band. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
28	Modeling the properties of plasmaspheric hiss: 2. Dependence on the plasma density distribution. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		32
27	Modeling the properties of plasmaspheric hiss: 1. Dependence on chorus wave emission. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
26	Modulation of plasmaspheric hiss intensity by thermal plasma density structure. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	35
25	KINETIC ALFVÉN WAVE INSTABILITY DRIVEN BY FIELD-ALIGNED CURRENTS IN SOLAR CORONAL LOOPS. <i>Astrophysical Journal</i> , 2012 , 754, 123	4.7	36
24	Alfvén-cyclotron instability with singly ionized helium: Linear theory. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		21
23	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. <i>Journal of Geophysical Research</i> , 2011 , 116,		51
22	Resonant scattering of plasma sheet electrons leading to diffuse auroral precipitation: 1. Evaluation for electrostatic electron cyclotron harmonic waves. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		61
21	Modulation of whistler mode chorus waves: 2. Role of density variations. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		47
20	The controlling effect of ion temperature on EMIC wave excitation and scattering. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	85
19	Modeling the evolution of chorus waves into plasmaspheric hiss. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		87
18	Saturation characteristics of electromagnetic ion cyclotron waves. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		29

17	Free energy to drive equatorial magnetosonic wave instability at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
16	Modeling the wave power distribution and characteristics of plasmaspheric hiss. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		58
15	Multievent study of the correlation between pulsating aurora and whistler mode chorus emissions. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		70
14	Ion heating by fast magnetosonic waves and ring current-electron radiation belt coupling 2011 ,		2
13	An improved gyrokinetic electron and fully kinetic ion particle simulation scheme: benchmark with a linear tearing mode. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 054013	2	19
12	Kinetic Alfvén wave instability driven by electron temperature anisotropy in high- β plasmas. <i>Physics of Plasmas</i> , 2010 , 17, 062107	2.1	23
11	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCM-RAM-HOTRAY modeling. <i>Journal of Geophysical Research</i> , 2010 , 115,		91
10	Global distributions of suprathermal electrons observed on THEMIS and potential mechanisms for access into the plasmasphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		104
9	Global simulation of magnetosonic wave instability in the storm time magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		134
8	Three-dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	65
7	Simulation of EMIC wave excitation in a model magnetosphere including structured high-density plumes. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		95
6	Simulations of pitch angle scattering of relativistic electrons with MLT-dependent diffusion coefficients. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		80
5	Propagation of Superluminous L ₀ Mode Waves During Geomagnetic Activities. <i>Plasma Science and Technology</i> , 2008 , 10, 546-550	1.5	1
4	A Three-Dimensional Ray-Tracing Study of R-X Mode Waves during High Geomagnetic Activity. <i>Chinese Physics Letters</i> , 2008 , 25, 340-343	1.8	8
3	A parametric ray tracing study of superluminous auroral kilometric radiation wave modes. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		46
2	Effects of Spatial Variation of Thermal Electrons on Whistler-Mode Waves in Magnetosphere. <i>Chinese Physics Letters</i> , 2006 , 23, 2613-2616	1.8	5
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