Lunjin Chen

List of Publications by Citations

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	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. *Nature*, **2013**, 504, 411-4	50.4	481
159	Resonant scattering and resultant pitch angle evolution of relativistic electrons by plasmaspheric hiss. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7740-7751	2.6	150
158	Global simulation of magnetosonic wave instability in the storm time magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		134
157	Global distributions of suprathermal electrons observed on THEMIS and potential mechanisms for access into the plasmasphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		104
156	Resonant scattering of energetic electrons by unusual low-frequency hiss. *Geophysical Research Letters*, **2014**, 41, 1854-1861	4.9	95
155	Simulation of EMIC wave excitation in a model magnetosphere including structured high-density plumes. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		95
154	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCM-RAM-HOTRAY modeling. *Journal of Geophysical Research*, **2010**, 115,		91
153	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1461-1471	2.6	89
152	Modeling the evolution of chorus waves into plasmaspheric hiss. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		87
151	The controlling effect of ion temperature on EMIC wave excitation and scattering. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	85
150	Observations of discrete harmonics emerging from equatorial noise. *Nature Communications*, **2015**, 6, 7703	17.4	83
149	Simulations of pitch angle scattering of relativistic electrons with MLT-dependent diffusion coefficients. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		80
148	Magnetosonic wave excitation by ion ring distributions in the Earth's inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 844-852	2.6	74
147	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. *Geophysical Research Letters*, **2016**, 43, 3009-3016	4.9	73
146	Multievent study of the correlation between pulsating aurora and whistler mode chorus emissions. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		70
145	Modeling ring current ion and electron dynamics and plasma instabilities during a high-speed stream driven storm. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		65
144	Modeling the wave normal distribution of chorus waves. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1074-1088	2.6	65

143	Three-dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. *Geophysical Research Letters*, **2009**, 36,	4.9	65
142	Amplification of whistler-mode hiss inside the plasmasphere. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	64
141	Perpendicular propagation of magnetosonic waves. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	61
140	Resonant scattering of plasma sheet electrons leading to diffuse auroral precipitation: 1. Evaluation for electrostatic electron cyclotron harmonic waves. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		61
139	Interactions between magnetosonic waves and radiation belt electrons: Comparisons of quasi-linear calculations with test particle simulations. *Geophysical Research Letters*, **2014**, 41, 4828-4834	4.9	60
138	Modeling the properties of plasmaspheric hiss: 1. Dependence on chorus wave emission. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		58
137	Modeling the wave power distribution and characteristics of plasmaspheric hiss. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		58
136	Nonlinear bounce resonances between magnetosonic waves and equatorially mirroring electrons. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 6514-6527	2.6	57
135	First observation of rising-tone magnetosonic waves. *Geophysical Research Letters*, **2014**, 41, 7419-7426	4.9	55
134	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. *Journal of Geophysical Research*, **2011**, 116,		51
133	Storm time occurrence and spatial distribution of Pc4 poloidal ULF waves in the inner magnetosphere: A Van Allen Probes statistical study. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4748-4762	2.6	50
132	Generation of multiband chorus by lower band cascade in the Earth's magnetosphere. *Geophysical Research Letters*, **2016**, 43, 2343-2350	4.9	50
131	Global statistical evidence for chorus as the embryonic source of plasmaspheric hiss. *Geophysical Research Letters*, **2013**, 40, 2891-2896	4.9	49
130	Modulation of whistler mode chorus waves: 2. Role of density variations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		47
129	An improved dispersion relation for parallel propagating electromagnetic waves in warm plasmas: Application to electron scattering. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2185-2195	2.6	46
128	A parametric ray tracing study of superluminous auroral kilometric radiation wave modes. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		46
127	Generation of unusually low frequency plasmaspheric hiss. *Geophysical Research Letters*, **2014**, 41, 5702-5709	4.9	44
126	Direct evidence for EMIC wave scattering of relativistic electrons in space. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6620-6631	2.6	44

125	Nonresonant interactions of electromagnetic ion cyclotron waves with relativistic electrons. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9913-9925	2.6	44
124	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. *Geophysical Research Letters*, **2015**, 42, 6170-6179	4.9	43
123	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. *Geophysical Research Letters*, **2014**, 41, 6307-6313	4.9	41
122	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2605-2619	2.6	40
121	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. *Geophysical Research Letters*, **2015**, 42, 241-248	4.9	39
120	Generation of Multiband Chorus in the Earth's Magnetosphere: 1-D PIC Simulation. *Geophysical Research Letters*, **2017**, 44, 618-624	4.9	37
119	KINETIC ALFVÉN WAVE INSTABILITY DRIVEN BY FIELD-ALIGNED CURRENTS IN SOLAR CORONAL LOOPS. *Astrophysical Journal*, **2012**, 754, 123	4.7	36
118	Modulation of plasmaspheric hiss intensity by thermal plasma density structure. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	35
117	Impact of cold O+ ions on the generation and evolution of EMIC waves. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 434-445	2.6	32
116	Modeling the properties of plasmaspheric hiss: 2. Dependence on the plasma density distribution. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		32
115	Free energy to drive equatorial magnetosonic wave instability at geosynchronous orbit. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		32
114	Propagation characteristics of plasmaspheric hiss: Van Allen Probe observations and global empirical models. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4156-4167	2.6	31
113	Two-Dimensional gcPIC Simulation of Rising-Tone Chorus Waves in a Dipole Magnetic Field. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4157-4167	2.6	31
112	Modulation of chorus intensity by ULF waves deep in the inner magnetosphere. *Geophysical Research Letters*, **2016**, 43, 9444-9452	4.9	30
111	Generation of magnetosonic waves over a continuous spectrum. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1137-1147	2.6	30
110	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2963-2977	2.6	29
109	Saturation characteristics of electromagnetic ion cyclotron waves. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		29
108	Spectral properties and associated plasma energization by magnetosonic waves in the Earth's magnetosphere: Particle-in-cell simulations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5377-5390	2.6	28

107	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorus-to-Hiss Mechanism. *Geophysical Research Letters*, **2019**, 46, 2337-2346	4.9	28
106	Observations of discrete magnetosonic waves off the magnetic equator. *Geophysical Research Letters*, **2015**, 42, 9694-9701	4.9	27
105	Wave normal angle and frequency characteristics of magnetosonic wave linear instability. *Geophysical Research Letters*, **2015**, 42, 4709-4715	4.9	27
104	Electron butterfly distribution modulation by magnetosonic waves. *Geophysical Research Letters*, **2016**, 43, 3051-3059	4.9	27
103	Resonant excitation of whistler waves by a helical electron beam. *Geophysical Research Letters*, **2016**, 43, 2413-2421	4.9	25
102	Fast Magnetosonic Waves Observed by Van Allen Probes: Testing Local Wave Excitation Mechanism. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 497-512	2.6	24
101	Kinetic Alfvén wave instability driven by field-aligned currents in a low-β plasma. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2951-2957	2.6	24
100	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. *Physics of Plasmas*, **2016**, 23, 022902	2.1	24
99	Periodic Excitation of Chorus and ECH Waves Modulated by Ultralow Frequency Compressions. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8535-8550	2.6	23
98	Kinetic Alfvén wave instability driven by electron temperature anisotropy in high-β plasmas. *Physics of Plasmas*, **2010**, 17, 062107	2.1	23
97	Quasilinear analysis of saturation properties of broadband whistler mode waves. *Geophysical Research Letters*, **2017**, 44, 8122-8129	4.9	22
96	Source of the low-altitude hiss in the ionosphere. *Geophysical Research Letters*, **2017**, 44, 2060-2069	4.9	21
95	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,047	2.6	21
94	Alfvén-cyclotron instability with singly ionized helium: Linear theory. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		21
93	THEMIS observations and modeling of multiple ion species and EMIC waves: Implications for a vanishing He+ stop band. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		20
92	EXCITATION OF KINETIC ALFVÉN WAVES BY DENSITY STRIATION IN MAGNETO-PLASMAS. *Astrophysical Journal*, **2013**, 771, 3	4.7	19
91	An improved gyrokinetic electron and fully kinetic ion particle simulation scheme: benchmark with a linear tearing mode. *Plasma Physics and Controlled Fusion*, **2011**, 53, 054013	2	19
90	EMIC waves growth and guiding in the presence of cold plasma density irregularities. *Geophysical Research Letters*, **2013**, 40, 1940-1944	4.9	18

89	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. *Physics of Plasmas*, **2016**, 23, 022901	2.1	18
88	Statistical Results of the Power Gap Between Lower-Band and Upper-Band Chorus Waves. *Geophysical Research Letters*, **2019**, 46, 4098-4105	4.9	17
87	EXCITATION OF KINETIC ALFVN WAVES BY FAST ELECTRON BEAMS. *Astrophysical Journal*, **2014**, 793, 13	4.7	17
86	Multiple-Satellite Observation of Magnetic Dip Event During the Substorm on 10 October 2013. *Geophysical Research Letters*, **2017**, 44, 9167-9175	4.9	17
85	The Radiation Belt Electron Scattering by Magnetosonic Wave: Dependence on Key Parameters. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,338	2.6	17
84	Modeling of Bouncing Electron Microbursts Induced by Ducted Chorus Waves. *Geophysical Research Letters*, **2020**, 47, e2020GL089400	4.9	17
83	Local Generation of High-Frequency Plasmaspheric Hiss Observed by Van Allen Probes. *Geophysical Research Letters*, **2019**, 46, 1141-1148	4.9	16
82	Eigenmode analysis of compressional poloidal modes in a self-consistent magnetic field. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,369	2.6	16
81	Responses of relativistic electron fluxes in the outer radiation belt to geomagnetic storms. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 9513-9523	2.6	16
80	Analysis of the Duration of Rising Tone Chorus Elements. *Geophysical Research Letters*, **2017**, 44, 12,074	4.9	15
79	Observed Propagation Route of VLF Transmitter Signals in the Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5528-5537	2.6	15
78	Transitional behavior of different energy protons based on Van Allen Probes observations. *Geophysical Research Letters*, **2017**, 44, 625-633	4.9	14
77	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 8300-8316	2.6	14
76	Whistler mode wave generation at the edges of a magnetic dip. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2469-2476	2.6	14
75	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. *Geophysical Research Letters*, **2019**, 46, 12711-12721	4.9	14
74	Electron Cyclotron Harmonic Wave Instability by Loss Cone Distribution. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9035-9044	2.6	14
73	One-Dimensional Full Wave Simulation of Equatorial Magnetosonic Wave Propagation in an Inhomogeneous Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 587-599	2.6	13
72	Magnetospheric Multiscale Observation of Quasiperiodic EMIC Waves Associated With Enhanced Solar Wind Pressure. *Geophysical Research Letters*, **2019**, 46, 7096-7104	4.9	13

71	Relativistic electron butterfly pitch angle distribution modulated by localized background magnetic field perturbation driven by hot ring current ions. *Geophysical Research Letters*, **2017**, 44, 4393-4400	4.9	13
70	On the Origin of Ionospheric Hiss: A Conjugate Observation. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,784-11,793	2.6	12
69	Comparison of formulas for resonant interactions between energetic electrons and oblique whistler-mode waves. *Physics of Plasmas*, **2015**, 22, 052902	2.1	11
68	Wavenumber Analysis of EMIC Waves. *Geophysical Research Letters*, **2019**, 46, 5689-5697	4.9	11
67	Whistler-Mode Waves Trapped by Density Irregularities in the Earth's Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2020GL092305	4.9	11
66	Statistical Characteristics of Ionospheric Hiss Waves. *Geophysical Research Letters*, **2019**, 46, 7147-7156	4.9	10
65	Modeling Energetic Electron Nonlinear Wave-Particle Interactions With Electromagnetic Ion Cyclotron Waves. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3436-3453	2.6	10
64	Direct Evidence of the Pitch Angle Scattering of Relativistic Electrons Induced by EMIC Waves. *Geophysical Research Letters*, **2020**, 47, e2019GL085637	4.9	10
63	On the Diffusion Rates of Electron Bounce Resonant Scattering by Magnetosonic Waves. *Geophysical Research Letters*, **2018**, 45, 3328-3337	4.9	10
62	Generation of Lower Harmonic Magnetosonic Waves Through Nonlinear Wave-Wave Interactions. *Geophysical Research Letters*, **2018**, 45, 8029-8034	4.9	10
61	A possible mechanism for the formation of filamentous structures in magnetoplasmas by kinetic Alfvén waves. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 61-69	2.6	10
60	In Situ Observations of Whistler-Mode Chorus Waves Guided by Density Ducts. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028814	2.6	10
59	Two-Dimensional Particle-in-Cell Simulation of Magnetosonic Wave Excitation in a Dipole Magnetic Field. *Geophysical Research Letters*, **2018**, 45, 8712-8720	4.9	10
58	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1871-1882	2.6	9
57	Observational evidence of the drift-mirror plasma instability in Earth's inner magnetosphere. *Physics of Plasmas*, **2019**, 26, 042110	2.1	9
56	Modeling the storm time behavior of the magnetosonic waves using solar wind parameters. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 446-458	2.6	9
55	Instability in a relativistic magnetized plasma. *Physics of Plasmas*, **2019**, 26, 042902	2.1	8
54	A Three-Dimensional Ray-Tracing Study of R-X Mode Waves during High Geomagnetic Activity. *Chinese Physics Letters*, **2008**, 25, 340-343	1.8	8

53	Particle-in-Cell Simulation of Electron Cyclotron Harmonic Waves Driven by a Loss Cone Distribution. *Geophysical Research Letters*, **2020**, 47, e2020GL087649	4.9	7
52	On the Observation of Electrostatic Harmonics Associated With EMIC Waves. *Geophysical Research Letters*, **2019**, 46, 14274-14281	4.9	7
51	Modulation of Locally Generated Equatorial Noise by ULF Wave. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2779-2787	2.6	6
50	The Relation Between Electron Cyclotron Harmonic Waves and Plasmapause: Case and Statistical Studies. *Geophysical Research Letters*, **2020**, 47, e2020GL087365	4.9	6
49	Chorus Acceleration of Relativistic Electrons in Extremely Low L-Shell During Geomagnetic Storm of August 2018. *Geophysical Research Letters*, **2020**, 47, e2019GL086226	4.9	6
48	Statistical Study on Locally Generated High-Frequency Plasmaspheric Hiss and Its Effect on Suprathermal Electrons: Van Allen Probes Observation and Quasi-linear Simulation. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028526	2.6	6
47	Electron Microbursts Induced by Nonducted Chorus Waves. *Frontiers in Astronomy and Space Sciences*, **2021**, 8,	3.8	6
46	Simultaneous Observations of ELF/VLF Rising-Tone Quasiperiodic Waves and Energetic Electron Precipitations in the High-Latitude Upper Ionosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027574	2.6	5
45	Spectral Broadening of NWC Transmitter Signals in the Ionosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088103	4.9	5
44	Two-Dimensional Full-Wave Simulation of Whistler Mode Wave Propagation Near the Local Lower Hybrid Resonance Frequency in a Dipole Field. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027750	2.6	5
43	Triggered Plasmaspheric Hiss: Rising Tone Structures. *Geophysical Research Letters*, **2019**, 46, 5034-5044	4.9	5
42	Effects of Spatial Variation of Thermal Electrons on Whistler-Mode Waves in Magnetosphere. *Chinese Physics Letters*, **2006**, 23, 2613-2616	1.8	5
41	Examining Wave Vector and Minimum Cyclotron Resonant Electron Energy of EMIC Waves With Magnetospheric Multiscale Mission. *Geophysical Research Letters*, **2018**, 45, 10,138	4.9	5
40	An Event on Simultaneous Amplification of Exohiss and Chorus Waves Associated With Electron Density Enhancements. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8958-8968	2.6	5
39	Statistical Analysis on Plasmatrough Exohiss Waves From the Van Allen Probes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4356-4364	2.6	4
38	Wave Normal Angle Distribution of Magnetosonic Waves in the Earth's Magnetosphere: 2-D PIC Simulation. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028012	2.6	4
37	Global Simulation of Electron Cyclotron Harmonic Wave Instability in a Storm-Time Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2019GL086368	4.9	4
36	Relationship between Chorus and Plasmaspheric Hiss Waves. *Geophysical Monograph Series*, **2016**, 79-97	1.1	4

35	The Effects of Localized Thermal Pressure on Equilibrium Magnetic Fields and Particle Drifts in The Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5129-5142	2.6	4
34	Van Allen Probes observations of whistler-mode chorus with long-lived oscillating tones. *Geophysical Research Letters*, **2017**, 44, 5909-5919	4.9	4
33	A Theoretical Framework of Chorus Wave Excitation. *Journal of Geophysical Research: Space Physics*, **2022**, 127,	2.6	4
32	Asymmetric drift instability of magnetosonic waves in anisotropic plasmas. *Physics of Plasmas*, **2016**, 23, 102107	2.1	4
31	Modulation of Whistler Mode Waves by Ion-Scale Waves Observed in the Distant Magnetotail. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027278	2.6	3
30	Statistical Study of Chorus Modulations by Background Magnetic Field and Plasma Density. *Geophysical Research Letters*, **2020**, 47, e2020GL089344	4.9	3
29	Electron-Driven Magnetic Dip Embedded Within the Proton-Driven Magnetic Dip and the Related Echoes of Butterfly Distribution of Relativistic Electrons. *Geophysical Research Letters*, **2020**, 47, e2020GL088983	4.9	3
28	North west cape-induced electron precipitation and theoretical simulation. *Chinese Physics B*, **2016**, 25, 119401	1.2	3
27	Ion Cyclotron Resonant Absorption Lines in ELF Hiss Power Spectral Density in the Low-Latitude Ionosphere. *Geophysical Research Letters*, **2020**, 47, e2019GL086315	4.9	3
26	ULF-Modulation of Whistler-Mode Waves in the Inner Magnetosphere During Solar Wind Compression. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029353	2.6	3
25	Repetitive Emissions of Rising-Tone Chorus Waves in the Inner Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL094979	4.9	3
24	Alpha Transmitter Signal Reflection and Triggered Emissions. *Geophysical Research Letters*, **2020**, 47, e2020GL090165	4.9	2
23	Two Dimensional Full-Wave Modeling of Propagation of Low-Altitude Hiss in the Ionosphere. *Geophysical Research Letters*, **2020**, 47, e2019GL086601	4.9	2
22	An oscillator model representative of electron interactions with EMIC waves. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1951-1959	2.6	2
21	Ion heating by fast magnetosonic waves and ring current-electron radiation belt coupling **2011**,		2
20	Superposed Epoch Analyses of Electron-Driven and Proton-Driven Magnetic Dips. *Geophysical Research Letters*, **2021**, 48, e2021GL094934	4.9	2
19	Particle-in-Cell Simulation of Rising-Tone Magnetosonic Waves. *Geophysical Research Letters*, **2020**, 47, e2020GL089671	4.9	2
18	An Unexpected Whistler Wave Generation Around Dipolarization Front. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028957	2.6	2

17	A Statistical Study of Lower Hybrid Waves in the Earth's Magnetosphere by Van Allen Probes. *Geophysical Research Letters*, **2021**, 48, e2021GL093168	4.9	2
16	Direct Evidence Reveals Transmitter Signal Propagation in the Magnetosphere. *Geophysical Research Letters*, **2021**, 48, e2021GL093987	4.9	2
15	Ducted Chorus Waves Cause Sub-Relativistic and Relativistic Electron Microbursts. *Geophysical Research Letters*, **2022**, 49,	4.9	2
14	The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumes. *Geophysical Research Letters*, **2022**, 49,	4.9	2
13	Theoretical Prediction of Asymmetric Instability of Drift Kinetic Alfven Waves in Anisotropic Plasmas. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4414-4423	2.6	1
12	Particle-in-Cell Simulations of Characteristics of Rising-Tone Chorus Waves in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027961	2.6	1
11	Propagation of Superluminous L□ Mode Waves During Geomagnetic Activities. *Plasma Science and Technology*, **2008**, 10, 546-550	1.5	1
10	How Whistler-Mode Waves and Thermal Plasma Density Control the Global Distribution of the Diffuse Aurora and the Dynamical Evolution of Radiation Belt Electrons. *Geophysical Monograph Series*, **2016**, 115-125	1.1	1
9	The Response of the Energy Content of the Outer Electron Radiation Belt to Geomagnetic Storms. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8227-8240	2.6	1
8	Observational Evidence of the Excitation of Magnetosonic Waves by an He++ Ion Ring Distribution. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029532	2.6	1
7	Frequency-Dependent Modulation of Whistler-Mode Waves by Density Irregularities During the Recovery Phase of a Geomagnetic Storm. *Geophysical Research Letters*, **2021**, 48, e2021GL093095	4.9	1
6	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. *Geophysical Research Letters*, **2021**, 48, e2021GL095933	4.9	0
5	L□H power threshold studies with tungsten/carbon divertor on the EAST tokamak. *Radiation Effects and Defects in Solids*, **2016**, 171, 359-373	0.9	
4	Wave-particle interactions with coherent magnetosonic waves **2020**, 99-120		
3	STUDY OF UPML ABSORBING BOUNDARY CONDITION FOR THE FIVE-STEP LOD-FDTD METHOD. *Progress in Electromagnetics Research M*, **2016**, 47, 181-189	0.6	
2	UBER v1.0: a universal kinetic equation solver for radiation belts. *Geoscientific Model Development*, **2021**, 14, 5825-5842	6.3	
1	Whistler Waves above the Lower Hybrid Frequency in the Ionosphere and their Counterparts in the Magnetosphere. *Geophysical Research Letters*,	4.9	