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List of Publications by Year
in descending order

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205 papers	8,342 citations	57681 46 h-index	62345 84 g-index
209 all docs	209 docs citations	209 times ranked	2141 citing authors

#	Article	IF	Citations
1	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. Nature, 2013, 504, 411-414.	13.7	608
2	Scattering by chorus waves as the dominant cause of diffuse auroral precipitation. Nature, 2010, 467, 943-946.	13.7	432
3	Timescales for radiation belt electron acceleration and loss due to resonant wave-particle interactions: 2. Evaluation for VLF chorus, ELF hiss, and electromagnetic ion cyclotron waves. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	391
4	Resonant scattering of plasma sheet electrons by whistlerâ€mode chorus: Contribution to diffuse auroral precipitation. Geophysical Research Letters, 2008, 35, .	1.5	323
5	Global distribution of whistlerâ€mode chorus waves observed on the THEMIS spacecraft. Geophysical Research Letters, 2009, 36, .	1.5	282
6	Timescales for radiation belt electron acceleration and loss due to resonant wave-particle interactions: 1. Theory. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	211
7	Evolution of electron fluxes in the outer radiation belt computed with the VERB code. Journal of Geophysical Research, 2009, 114, .	3.3	183
8	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2014, 119, 4681-4693.	0.8	182
9	Electron scattering by whistlerâ€mode ELF hiss in plasmaspheric plumes. Journal of Geophysical Research, 2008, 113, .	3.3	175
10	Resonant scattering and resultant pitch angle evolution of relativistic electrons by plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2013, 118, 7740-7751.	0.8	175
11	Resonant scattering of outer zone relativistic electrons by multiband EMIC waves and resultant electron loss time scales. Journal of Geophysical Research: Space Physics, 2015, 120, 7357-7373.	0.8	172
12	Constructing the global distribution of chorus wave intensity using measurements of electrons by the POES satellites and waves by the Van Allen Probes. Geophysical Research Letters, 2013, 40, 4526-4532.	1.5	153
13	Evolution and slow decay of an unusual narrow ring of relativistic electrons near Lâ€‰~â€‰3.2 following the September 2012 magnetic storm. Geophysical Research Letters, 2013, 40, 3507-3511.	1.5	150
14	Dependence of the quasiâ€linear scattering rates on the wave normal distribution of chorus waves. Journal of Geophysical Research, 2009, 114, .	3.3	138
15	Origins of the Earthâ€™s Diffuse Auroral Precipitation. Space Science Reviews, 2016, 200, 205-259.	3.7	136
16	Resonant scattering of plasma sheet electrons leading to diffuse auroral precipitation: 2. Evaluation for whistler mode chorus waves. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	128
17	Resonant scattering of energetic electrons by unusual low-frequency hiss. Geophysical Research Letters, 2014, 41, 1854-1861.	1.5	110
18	Competing source and loss mechanisms due to waveâ€particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 1960-1979.	0.8	103

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19	Evolution of electron pitch angle distributions following injection from the plasma sheet. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	99
20	Threeâ€dimensional VERB radiation belt simulations including mixed diffusion. Journal of Geophysical Research, 2010, 115, .	3.3	94
21	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. Geophysical Research Letters, 2016, 43, 3009-3016.	1.5	88
22	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. Geophysical Research Letters, 2015, 42, 987-995.	1.5	87
23	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.	3.3	86
24	Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. Journal of Geophysical Research, 2012, 117, .	3.3	85
25	Understanding the Mechanisms of Radiation Belt Dropouts Observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 9858-9879.	0.8	83
26	Structures of dayside whistlerâ€mode waves deduced from conjugate diffuse aurora. Journal of Geophysical Research: Space Physics, 2013, 118, 664-673.	0.8	76
27	Long-term radiation belt simulation with the VERB 3-D code: Comparison with CRRES observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	74
28	Interactions between magnetosonic waves and radiation belt electrons: Comparisons of quasiâ€linear calculations with test particle simulations. Geophysical Research Letters, 2014, 41, 4828-4834.	1.5	73
29	Evaluation of whistler mode chorus amplification during an injection event observed on CRRES. Journal of Geophysical Research, 2008, 113, .	3.3	66
30	Competition between outer zone electron scattering by plasmaspheric hiss and magnetosonic waves. Geophysical Research Letters, 2017, 44, 3465-3474.	1.5	66
31	Hot Plasma Effects on the Cyclotronâ€Resonant Pitchâ€Angle Scattering Rates of Radiation Belt Electrons Due to EMIC Waves. Geophysical Research Letters, 2018, 45, 21-30.	1.5	66
32	Plasmaspheric hiss waves generate a reversed energy spectrum of radiation belt electrons. Nature Physics, 2019, 15, 367-372.	6.5	66
33	Understanding the dynamic evolution of the relativistic electron slot region including radial and pitch angle diffusion. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	65
34	Evidence of stronger pitch angle scattering loss caused by oblique whistlerâ€mode waves as compared with quasiâ€parallel waves. Geophysical Research Letters, 2014, 41, 6063-6070.	1.5	63
35	A novel technique to construct the global distribution of whistler mode chorus wave intensity using lowâ€altitude POES electron data. Journal of Geophysical Research: Space Physics, 2014, 119, 5685-5699.	0.8	63
36	Predominance of ECH wave contribution to diffuse aurora in Earth's outer magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 295-309.	0.8	61

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37	Statistical analysis of phase space density buildups and dropouts. Journal of Geophysical Research, 2012, 117, .	3.3	58
38	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.	0.8	56
39	Outer Radiation Belt Flux Dropouts: Current Understanding and Unresolved Questions. Geophysical Monograph Series, 0, , 195-212.	0.1	56
40	Chorus wave scattering responsible for the Earth's dayside diffuse auroral precipitation: A detailed case study. Journal of Geophysical Research: Space Physics, 2014, 119, 897-908.	0.8	56
41	Chorus-driven resonant scattering of diffuse auroral electrons in nondipolar magnetic fields. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	55
42	Global distribution of electrostatic electron cyclotron harmonic waves observed on THEMIS. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	54
43	Diffuse auroral scattering by whistler mode chorus waves: Dependence on wave normal angle distribution. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	53
44	Observation of largeâ€amplitude magnetosonic waves at dipolarization fronts. Journal of Geophysical Research: Space Physics, 2014, 119, 4335-4347.	0.8	53
45	Origin of two-band chorus in the radiation belt of Earth. Nature Communications, 2019, 10, 4672.	5.8	52
46	A Statistical Survey of Radiation Belt Dropouts Observed by Van Allen Probes. Geophysical Research Letters, 2018, 45, 8035-8043.	1.5	49
47	Reanalyses of the radiation belt electron phase space density using nearly equatorial CRRES and polarâ€orbiting Akebono satellite observations. Journal of Geophysical Research, 2009, 114, .	3.3	46
48	THEMIS observations of electron cyclotron harmonic emissions, ULF waves, and pulsating auroras. Journal of Geophysical Research, 2010, 115, .	3.3	46
49	Resonant scattering of central plasma sheet protons by multiband EMIC waves and resultant proton loss timescales. Journal of Geophysical Research: Space Physics, 2016, 121, 1219-1232.	0.8	44
50	Bounce resonance scattering of radiation belt electrons by H⁺ band EMIC waves. Journal of Geophysical Research: Space Physics, 2017, 122, 1702-1713.	0.8	44
51	Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4863-4876.	0.8	43
52	Analysis of radiation belt energetic electron phase space density using THEMIS SST measurements: Cross-satellite calibration and a case study. Journal of Geophysical Research, 2011, 116, .	3.3	42
53	Gyroâ€resonant scattering of radiation belt electrons during the solar minimum by fast magnetosonic waves. Journal of Geophysical Research: Space Physics, 2013, 118, 648-652.	0.8	42
54	Parametric Sensitivity of the Formation of Reversed Electron Energy Spectrum Caused by Plasmaspheric Hiss. Geophysical Research Letters, 2019, 46, 4134-4143.	1.5	41

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55	Fast earthward flows, electron cyclotron harmonic waves, and diffuse auroras: Conjunctive observations and a synthesized scenario. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
56	Solar cycle variations of trapped proton flux in the inner radiation belt. Journal of Geophysical Research: Space Physics, 2014, 119, 9658-9669.	0.8	38
57	Analytical approximation of transit time scattering due to magnetosonic waves. Geophysical Research Letters, 2015, 42, 1318-1325.	1.5	38
58	Reanalysis of relativistic radiation belt electron phase space density using multisatellite observations: Sensitivity to empirical magnetic field models. Journal of Geophysical Research, 2009, 114, .	3.3	37
59	Parameterized lifetime of radiation belt electrons interacting with lowerâ€band and upperâ€band oblique chorus waves. Geophysical Research Letters, 2012, 39, .	1.5	37
60	Quantifying hissâ€driven energetic electron precipitation: A detailed conjunction event analysis. Geophysical Research Letters, 2014, 41, 1085-1092.	1.5	36
61	A statistical analysis of sporadic E layer occurrence in the midlatitude China region. Journal of Geophysical Research: Space Physics, 2017, 122, 3617-3631.	0.8	36
62	Scattering of Ultra-relativistic Electrons in the Van Allen Radiation Belts Accounting for Hot Plasma Effects. Scientific Reports, 2017, 7, 17719.	1.6	35
63	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. Nature Communications, 2020, 11, 4847.	5.8	35
64	A dual-band polarization insensitive metamaterial absorber with split ring resonator. Optical and Quantum Electronics, 2013, 45, 747-753.	1.5	32
65	On an energyâ€latitude dispersion pattern of ion precipitation potentially associated with magnetospheric EMIC waves. Journal of Geophysical Research: Space Physics, 2014, 119, 8137-8160.	0.8	32
66	Excitation of dayside chorus waves due to magnetic field line compression in response to interplanetary shocks. Journal of Geophysical Research: Space Physics, 2015, 120, 8327-8338.	0.8	32
67	Occurrence characteristics of outer zone relativistic electron butterfly distribution: A survey of Van Allen Probes REPT measurements. Geophysical Research Letters, 2016, 43, 5644-5652.	1.5	32
68	Statistical Properties of Hiss in Plasmaspheric Plumes and Associated Scattering Losses of Radiation Belt Electrons. Geophysical Research Letters, 2019, 46, 5670-5680.	1.5	32
69	Resonant Scattering of Radiation Belt Electrons by Offâ€Equatorial Magnetosonic Waves. Geophysical Research Letters, 2018, 45, 1228-1236.	1.5	31
70	Evolution of Radiation Belt Electron Pitch Angle Distribution Due to Combined Scattering by Plasmaspheric Hiss and Magnetosonic Waves. Geophysical Research Letters, 2019, 46, 3033-3042.	1.5	31
71	A statistical survey of electrostatic electron cyclotron harmonic waves based on THEMIS FFF wave data. Journal of Geophysical Research: Space Physics, 2017, 122, 3342-3353.	0.8	29
72	Electron Scattering by Plasmaspheric Hiss in a Nightside Plume. Geophysical Research Letters, 2018, 45, 4618-4627.	1.5	29

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73	Evolution of relativistic outer belt electrons during an extended quiescent period. Journal of Geophysical Research: Space Physics, 2014, 119, 9558-9566.	0.8	28
74	Bounce Resonance Scattering of Radiation Belt Electrons by Lowâ€Frequency Hiss: Comparison With Cyclotron and Landau Resonances. Geophysical Research Letters, 2017, 44, 9547-9554.	1.5	28
75	Sensitivity of EMIC Waveâ€Driven Scattering Loss of Ring Current Protons to Wave Normal Angle Distribution. Geophysical Research Letters, 2019, 46, 590-598.	1.5	28
76	Statistical analysis of pitch angle distribution of radiation belt energetic electrons near the geostationary orbit: CRRES observations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	26
77	Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse. Annales Geophysicae, 2016, 34, 493-509.	0.6	26
78	Survey of radiation belt energetic electron pitch angle distributions based on the Van Allen Probes MagEIS measurements. Journal of Geophysical Research: Space Physics, 2016, 121, 1078-1090.	0.8	26
79	Combined Scattering of Radiation Belt Electrons Caused by Landau and Bounce Resonant Interactions With Magnetosonic Waves. Geophysical Research Letters, 2019, 46, 10313-10321.	1.5	26
80	Modeling the Quasiâ€Trapped Electron Fluxes From Cosmic Ray Albedo Neutron Decay (CRAND). Geophysical Research Letters, 2019, 46, 1919-1928.	1.5	26
81	In Situ Observations of Whistlerâ€Mode Chorus Waves Guided by Density Ducts. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028814.	0.8	26
82	Extent of ECH wave emissions in the Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 5561-5574.	0.8	25
83	Characterization and Evolution of Radiation Belt Electron Energy Spectra Based on the Van Allen Probes Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 4217-4232.	0.8	25
84	Revealing the source of Jupiterâ€™s x-ray auroral flares. Science Advances, 2021, 7, .	4.7	25
85	Responses of Earth's radiation belts to solar wind dynamic pressure variations in 2002 analyzed using multisatellite data and Kalman filtering. Journal of Geophysical Research: Space Physics, 2013, 118, 4400-4414.	0.8	24
86	The seasonal distribution of sporadic E layers observed from radio occultation measurements and its relation with wind shear measured by TIMED/TIDI. Advances in Space Research, 2018, 62, 426-439.	1.2	24
87	Hemispheric asymmetry of the structure of dayside auroral oval. Geophysical Research Letters, 2014, 41, 8696-8703.	1.5	23
88	Dynamic responses of the Earth's radiation belts during periods of solar wind dynamic pressure pulse based on normalized superposed epoch analysis. Journal of Geophysical Research: Space Physics, 2016, 121, 8523-8536.	0.8	23
89	The Radiation Belt Electron Scattering by Magnetosonic Wave: Dependence on Key Parameters. Journal of Geophysical Research: Space Physics, 2017, 122, 12,338.	0.8	23
90	The Relativistic Electron-Proton Telescope (REPT) Investigation: Design, Operational Properties, and Science Highlights. Space Science Reviews, 2021, 217, 1.	3.7	23

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91	Bounceâ€averaged diffusion coefficients due to resonant interaction of the outer radiation belt electrons with oblique chorus waves computed in a realistic magnetic field model. Journal of Geophysical Research, 2012, 117, .	3.3	22
92	The Simultaneous Observations of Nighttime Ionospheric E Region Irregularities and F Region Mediumâ€Scale Traveling Ionospheric Disturbances in Midlatitude China. Journal of Geophysical Research: Space Physics, 2018, 123, 5195-5209.	0.8	22
93	Resonant diffusion of energetic electrons by narrowband Z mode waves in Saturn's inner magnetosphere. Geophysical Research Letters, 2013, 40, 255-261.	1.5	21
94	Quasiâ€steady, marginally unstable electron cyclotron harmonic wave amplitudes. Journal of Geophysical Research: Space Physics, 2013, 118, 3165-3172.	0.8	21
95	Responses of relativistic electron fluxes in the outer radiation belt to geomagnetic storms. Journal of Geophysical Research: Space Physics, 2015, 120, 9513-9523.	0.8	21
96	Resonant Scattering of Nearâ€Equatorially Mirroring Electrons by Landau Resonance With H⁺ Band EMIC Waves. Geophysical Research Letters, 2018, 45, 10,866.	1.5	20
97	Combined Scattering of Outer Radiation Belt Electrons by Simultaneously Occurring Chorus, Exohiss, and Magnetosonic Waves. Geophysical Research Letters, 2018, 45, 10,057.	1.5	20
98	On the loss mechanisms of radiation belt electron dropouts during the 12 September 2014 geomagnetic storm. Earth and Planetary Physics, 2020, 4, 1-13.	0.4	20
99	Combined Scattering of Radiation Belt Electrons by Lowâ€Frequency Hiss: Cyclotron, Landau, and Bounce Resonances. Geophysical Research Letters, 2020, 47, e2020GL086963.	1.5	20
100	Interactions between magnetosonic waves and ring current protons: Gyroaveraged test particle simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 8537-8553.	0.8	19
101	On Energetic Electron Dynamics During Geomagnetic Quiet Times in Earth's Inner Radiation Belt due to Atmospheric Collisional Loss and CRAND as a Source. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027678.	0.8	19
102	Development of ground-based ELF/VLF receiver system in Wuhan and its first results. Advances in Space Research, 2016, 57, 1871-1880.	1.2	18
103	Radiation belt seed population and its association with the relativistic electron dynamics: A statistical study. Journal of Geophysical Research: Space Physics, 2017, 122, 5261-5276.	0.8	18
104	The effects of magnetospheric processes on relativistic electron dynamics in the Earth's outer radiation belt. Journal of Geophysical Research: Space Physics, 2017, 122, 9952-9968.	0.8	18
105	First observations of low latitude whistlers using WHU ELF/VLF receiver system. Science China Technological Sciences, 2017, 60, 166-174.	2.0	17
106	Combined scattering loss of radiation belt relativistic electrons by simultaneous threeâ€band EMIC waves: A case study. Journal of Geophysical Research: Space Physics, 2016, 121, 4446-4451.	0.8	16
107	Statistical Distributions of Dayside ECH Waves Observed by MMS. Geophysical Research Letters, 2018, 45, 12,730.	1.5	16
108	Wave Normal Angle Distribution of Fast Magnetosonic Waves: A Survey of Van Allen Probes EMFISIS Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 5663-5674.	0.8	16

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109	Evolution of the plasma sheet electron pitch angle distribution by whistler-mode chorus waves in non-dipole magnetic fields. Annales Geophysicae, 2012, 30, 751-760.	0.6	15
110	Comparison of formulas for resonant interactions between energetic electrons and oblique whistler-mode waves. Physics of Plasmas, 2015, 22, 052902.	0.7	15
111	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. Journal of Geophysical Research: Space Physics, 2018, 123, 4895-4907.	0.8	15
112	Effects of Polarization Reversal on the Pitch Angle Scattering of Radiation Belt Electrons and Ring Current Protons by EMIC Waves. Geophysical Research Letters, 2020, 47, e2020GL089718.	1.5	15
113	Distinct Formation and Evolution Characteristics of Outer Radiation Belt Electron Butterfly Pitch Angle Distributions Observed by Van Allen Probes. Geophysical Research Letters, 2020, 47, e2019GL086487.	1.5	15
114	Dynamic Responses of Radiation Belt Electron Fluxes to Magnetic Storms and their Correlations with Magnetospheric Plasma Wave Activities. Astrophysical Journal, 2020, 891, 127.	1.6	14
115	Simulating the Ion Precipitation From the Inner Magnetosphere by Hâ€Band and Heâ€Band Electro Magnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028553.	0.8	14
116	Diffuse Auroral Electron Scattering by Electrostatic Electron Cyclotron Harmonic Waves in the Dayside Magnetosphere. Geophysical Research Letters, 2021, 48, e2020GL092208.	1.5	14
117	Bounce-averaged Fokker-Planck diffusion equation in non-dipolar magnetic fields with applications to the Dungey magnetosphere. Annales Geophysicae, 2012, 30, 733-750.	0.6	13
118	A parametric study of the linear growth of magnetospheric EMIC waves in a hot plasma. Physics of Plasmas, 2016, 23, .	0.7	13
119	Evidence of Mid- and Low-Latitude Nighttime Ionospheric E â€“F Coupling: Coordinated Observations of Sporadic E Layers, F -Region Field-Aligned Irregularities, and Medium-Scale Traveling Ionospheric Disturbances. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7547-7557.	2.7	13
120	Modeling radiation belt dynamics using a 3â€Ð layer method code. Journal of Geophysical Research: Space Physics, 2017, 122, 8642-8658.	0.8	12
121	Interactions between H+ band EMIC waves and radiation belt relativistic electrons: Comparisons of test particle simulations with quasi-linear calculations. Physics of Plasmas, 2019, 26, .	0.7	12
122	Hot Plasma Effects on the Pitch-angle Scattering Rates of Radiation Belt Electrons Due to Plasmaspheric Hiss. Astrophysical Journal, 2020, 896, 118.	1.6	12
123	A detailed investigation of low latitude tweek atmospherics observed by the WHU ELF/VLF receiver: I. Automatic detection and analysis method. Earth and Planetary Physics, 2020, 4, 120-130.	0.4	12
124	Prediction of Dynamic Plasmapause Location Using a Neural Network. Space Weather, 2021, 19, e2020SW002622.	1.3	12
125	Artificial modification of Earthâ€™s radiation belts by ground-based very-low-frequency (VLF) transmitters. Science China Earth Sciences, 2022, 65, 391.	2.3	12
126	Intensification of dayside diffuse auroral precipitation: contribution of dayside Whistler-mode chorus waves in realistic magnetic fields. Annales Geophysicae, 2012, 30, 1297-1307.	0.6	11

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127	A statistical study of proton pitch angle distributions measured by the Radiation Belt Storm Probes Ion Composition Experiment. Journal of Geophysical Research: Space Physics, 2016, 121, 5233-5249.	0.8	11
128	Parametric instability induced by X -mode wave heating at EISCAT. Journal of Geophysical Research: Space Physics, 2016, 121, 10,536-10,548.	0.8	11
129	Occurrence features of simultaneous H+- and He+-band EMIC emissions in the outer radiation belt. Advances in Space Research, 2018, 61, 2091-2098.	1.2	11
130	A theoretical investigation on the parametric instability excited by Xâ€mode polarized electromagnetic wave at TromsÃ¸. Journal of Geophysical Research: Space Physics, 2016, 121, 3578-3591.	0.8	10
131	Empirical Loss Timescales of Slot Region Electrons due to Plasmaspheric Hiss Based on Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029057.	0.8	10
132	A Survey of Photoelectrons on the Nightside of Mars. Geophysical Research Letters, 2021, 48, e2020GL089998.	1.5	10
133	Resonance zones for electron interaction with plasma waves in the Earthâ€™s dipole magnetosphere. II. Evaluation for oblique chorus, hiss, electromagnetic ion cyclotron waves, and magnetosonic waves. Physics of Plasmas, 2010, 17, 042903.	0.7	9
134	Coupling of electrons and inertial Alfven waves in the topside ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 2903-2910.	0.8	9
135	Modeling the Electron Flux Enhancement and Butterfly Pitch Angle Distributions on L Shells <2.5. Geophysical Research Letters, 2019, 46, 10967-10976.	1.5	9
136	A Novel Ionospheric Sounding Network Based on Complete Complementary Code and Its Application. Sensors, 2019, 19, 779.	2.1	9
137	Parametric Dependence of the Formation of Electron Butterfly Pitch Angle Distribution Driven by Magnetosonic Waves. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027967.	0.8	9
138	Dynamics of Energetic Electrons in the Slot Region During Geomagnetically Quiet Times: Losses Due to Waveâ€Particle Interactions Versus a Source From Cosmic Ray Albedo Neutron Decay (CRAND). Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028042.	0.8	9
139	Modeling the Dynamics of Radiation Belt Electrons With Source and Loss Driven by the Solar Wind. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028988.	0.8	9
140	A numerical study of largeâ€scale ionospheric modulation due to the thermal process by powerful wave heating. Journal of Geophysical Research: Space Physics, 2016, 121, 2704-2714.	0.8	8
141	Investigation on the Occurrence of Mid-Latitude E-Region Irregularity by Wuhan VHF Radar and Its Relationship With Sporadic E layer. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7207-7216.	2.7	8
142	Generation of Electron Acoustic Waves in the Topside Ionosphere From Coupling With Kinetic Alfven Waves: A New Electron Energization Mechanism. Geophysical Research Letters, 2018, 45, 5299-5304.	1.5	8
143	Trapped and Accelerated Electrons Within a Magnetic Mirror Behind a Flux Rope on the Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 3993-4008.	0.8	8
144	Response of photoelectron peaks in the Martian ionosphere to solar EUV/X-ray irradiance. Earth and Planetary Physics, 2020, 4, 1-6.	0.4	8

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145	A detailed investigation of low latitude tweek atmospherics observed by the WHU ELF/VLF receiver: 2. Occurrence features and associated ionospheric parameters. Earth and Planetary Physics, 2020, 4, 1-8.	0.4	8
146	Statistical Distribution of Bifurcation of Earth's Inner Energetic Electron Belt at Tens of keV. Geophysical Research Letters, 2021, 48, e2020GL091242.	1.5	8
147	Global Distribution of Electrostatic Electron Cyclotron Harmonic Waves in Saturn's Magnetosphere: A Survey of Overâ€13â€Year Cassini RPWS Observations. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006800.	1.5	8
148	Quasiâ€Trapped Electron Fluxes Induced by NWC Transmitter and CRAND: Observations and Simulations. Geophysical Research Letters, 2022, 49, .	1.5	8
149	Identification of ring current proton precipitation driven by scattering of electromagnetic ion cyclotron waves. Fundamental Research, 2023, 3, 257-264.	1.6	8
150	Modulation of the dayside diffuse auroral intensity by the solar wind dynamic pressure. Journal of Geophysical Research: Space Physics, 2014, 119, 10,092.	0.8	7
151	Analysis of plasmaspheric hiss wave amplitudes inferred from lowâ€altitude POES electron data: Validation with conjunctive Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 8681-8691.	0.8	7
152	Inferring electromagnetic ion cyclotron wave intensity from low altitude POES proton flux measurements: A detailed case study with conjugate Van Allen Probes observations. Advances in Space Research, 2017, 59, 1568-1576.	1.2	7
153	Statistical Analysis of Very Low Frequency Atmospheric Noise Caused by the Global Lightning Using Groundâ€Based Observations in China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029101.	0.8	7
154	Effects of Superthermal Plasmas on the Linear Growth of Multiband EMIC Waves. Astrophysical Journal, 2020, 899, 43.	1.6	7
155	Recent Advances in Understanding the Diffuse Auroral Precipitation: The Role of Resonant Wave-Particle Interactions. Geophysical Monograph Series, 2013, , 291-302.	0.1	6
156	Bounce resonance scattering of ring current electrons by H+band EMIC waves. Physics of Plasmas, 2018, 25, 082903.	0.7	6
157	Two-step Dropouts of Radiation Belt Electron Phase Space Density Induced by a Magnetic Cloud Event. Astrophysical Journal Letters, 2020, 895, L24.	3.0	6
158	Realistic Dispersion of Plasmaspheric Hiss in the Inner Magnetosphere and Its Effect on Wave-induced Electron Scattering Rates. Astrophysical Journal, 2021, 916, 14.	1.6	6
159	Bounce Resonance Scattering of Radiation Belt Energetic Electrons by Extremely Lowâ€Frequency Chorus Waves. Geophysical Research Letters, 2021, 48, e2021GL095714.	1.5	6
160	Global Distribution of Concurrent EMIC Waves and Magnetosonic Waves: A Survey of Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
161	Comparisons of ionospheric electron density distributions reconstructed by GPS computerized tomography, backscatter ionograms, and vertical ionograms. Journal of Geophysical Research: Space Physics, 2015, 120, 11,032.	0.8	5
162	Unusual refilling of the slot region between the Van Allen radiation belts from November 2004 to January 2005. Journal of Geophysical Research: Space Physics, 2017, 122, 6255-6270.	0.8	5

#	Article	IF	Citations
163	Responses of the Very Low Frequency Transmitter Signals During the Solar Eclipse on December 26, 2019 Over a Northâ€“South Propagation Path. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-7.	2.7	5
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