

Craig A Kletzing

List of Publications by Year in descending order

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321
papers

16,139
citations

16450

64
h-index

24254

110
g-index

333
all docs

333
docs citations

333
times ranked

3214
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. <i>Space Science Reviews</i> , 2013, 179, 127-181.	8.1	932
2	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. <i>Nature</i> , 2013, 504, 411-414.	27.8	608
3	Electron Acceleration in the Heart of the Van Allen Radiation Belts. <i>Science</i> , 2013, 341, 991-994.	12.6	463
4	Small Scale Alfvénic Structure in the Aurora. <i>Space Science Reviews</i> , 2000, 92, 423-533.	8.1	431
5	Electron densities inferred from plasma wave spectra obtained by the Waves instrument on Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 904-914.	2.4	395
6	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. <i>Space Science Reviews</i> , 2016, 199, 105-135.	8.1	390
7	Effect of EMIC waves on relativistic and ultrarelativistic electron populations: Ground-based and Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 1375-1381.	4.0	294
8	Evidence for kinetic Alfvén waves and parallel electron energization at 4-6 RE altitudes in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 24-1-SMP 24-15.	3.3	271
9	Polar spacecraft based comparisons of intense electric fields and Poynting flux near and within the plasma sheet-tail lobe boundary to UVI images: An energy source for the aurora. <i>Journal of Geophysical Research</i> , 2000, 105, 18675-18692.	3.3	250
10	A Long-Lived Relativistic Electron Storage Ring Embedded in Earth's Outer Van Allen Belt. <i>Science</i> , 2013, 340, 186-190.	12.6	216
11	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7240-7254.	2.4	215
12	The occurrence and wave properties of H ⁺ , He ⁺ , and O ⁺ band EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7477-7492.	2.4	184
13	Comparisons of Polar satellite observations of solitary wave velocities in the plasma sheet boundary and the high altitude cusp to those in the auroral zone. <i>Geophysical Research Letters</i> , 1999, 26, 425-428.	4.0	183
14	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4681-4693.	2.4	182
15	Electron acceleration by kinetic Alfvén waves. <i>Journal of Geophysical Research</i> , 1994, 99, 11095.	3.3	167
16	Hydra ? A 3-dimensional electron and ion hot plasma instrument for the POLAR spacecraft of the GCS mission. <i>Space Science Reviews</i> , 1995, 71, 459-495.	8.1	166
17	Statistical properties of plasmaspheric hiss derived from Van Allen Probes data and their effects on radiation belt electron dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3393-3405.	2.4	164
18	Model of magnetosheath plasma in the magnetosphere: Cusp and mantle particles at low altitudes. <i>Geophysical Research Letters</i> , 1993, 20, 479-482.	4.0	162

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19	Constructing the global distribution of chorus wave intensity using measurements of electrons by the POES satellites and waves by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2013, 40, 4526-4532.	4.0	153
20	Evolution and slow decay of an unusual narrow ring of relativistic electrons near $L \approx 3.2$ following the September 2012 magnetic storm. <i>Geophysical Research Letters</i> , 2013, 40, 3507-3511.	4.0	150
21	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013, 40, 4127-4132.	4.0	134
22	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2754-2766.	2.4	133
23	Fine structure of large-amplitude chorus wave packets. <i>Geophysical Research Letters</i> , 2014, 41, 293-299.	4.0	130
24	Van Allen Probes observation of localized drift resonance between poloidal mode ultra-low frequency waves and 60 keV electrons. <i>Geophysical Research Letters</i> , 2013, 40, 4491-4497.	4.0	127
25	Gradual diffusion and punctuated phase space density enhancements of highly relativistic electrons: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 1351-1358.	4.0	127
26	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5465-5488.	2.4	127
27	An unusual enhancement of low-frequency plasmaspheric hiss in the outer plasmasphere associated with substorm-injected electrons. <i>Geophysical Research Letters</i> , 2013, 40, 3798-3803.	4.0	120
28	Direct observation of large, quasi-static, parallel electric fields in the auroral acceleration region. <i>Geophysical Research Letters</i> , 1998, 25, 1629-1632.	4.0	112
29	Resonant scattering of energetic electrons by unusual low-frequency hiss. <i>Geophysical Research Letters</i> , 2014, 41, 1854-1861.	4.0	110
30	Correlation of Alfvén wave Poynting flux in the plasma sheet at $4 \approx 7 R_E$ with ionospheric electron energy flux. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 24-1.	3.3	105
31	Solitary potential structures associated with ion and electron beams near 1 RE altitude. <i>Journal of Geophysical Research</i> , 1999, 104, 28709-28717.	3.3	103
32	Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1960-1979.	2.4	103
33	Electron scattering by magnetosonic waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 274-285.	2.4	102
34	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3325-3332.	2.4	101
35	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8288-8298.	2.4	101
36	New chorus wave properties near the equator from Van Allen Probes wave observations. <i>Geophysical Research Letters</i> , 2016, 43, 4725-4735.	4.0	100

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37	High-latitude plasma convection from Cluster EDI measurements: method and IMF-dependence. <i>Annales Geophysicae</i> , 2007, 25, 239-253.	1.6	99
38	Observations Directly Linking Relativistic Electron Microbursts to Whistler Mode Chorus: Van Allen Probes and FIREBIRD II. <i>Geophysical Research Letters</i> , 2017, 44, 11,265.	4.0	96
39	Simulation of Van Allen Probes plasmopause encounters. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7464-7484.	2.4	95
40	Highly relativistic radiation belt electron acceleration, transport, and loss: Large solar storm events of March and June 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6647-6660.	2.4	93
41	The Electron Drift Instrument on Cluster: overview of first results. <i>Annales Geophysicae</i> , 2001, 19, 1273-1288.	1.6	89
42	Prompt energization of relativistic and highly relativistic electrons during a substorm interval: Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 20-25.	4.0	88
43	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016, 43, 3009-3016.	4.0	88
44	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015, 42, 987-995.	4.0	87
45	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016, 43, 5918-5925.	4.0	86
46	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1938-1952.	2.4	86
47	Van Allen Probes observations of prompt MeV radiation belt electron acceleration in nonlinear interactions with VLF chorus. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 324-339.	2.4	85
48	Global-scale coherence modulation of radiation-belt electron loss from plasmaspheric hiss. <i>Nature</i> , 2015, 523, 193-195.	27.8	83
49	Auroral source region: Plasma properties of the high-latitude plasma sheet. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	79
50	Large Alfvén wave power in the plasma sheet boundary layer during the expansion phase of substorms. <i>Geophysical Research Letters</i> , 2000, 27, 3169-3172.	4.0	78
51	The distribution of plasmaspheric hiss wave power with respect to plasmopause location. <i>Geophysical Research Letters</i> , 2016, 43, 7878-7886.	4.0	78
52	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5520-5536.	2.4	77
53	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5693-5701.	4.0	76
54	The dependence on geomagnetic conditions and solar wind dynamic pressure of the spatial distributions of EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4362-4377.	2.4	76

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55	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. <i>Geophysical Research Letters</i> , 2016, 43, 8867-8875.	4.0	75
56	Fine structure of plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9134-9149.	2.4	74
57	Statistical characteristics of EMIC waves: Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4400-4408.	2.4	72
58	Reproducing the observed energy-dependent structure of Earth's electron radiation belts during storm recovery with an event-specific diffusion model. <i>Geophysical Research Letters</i> , 2016, 43, 5616-5625.	4.0	71
59	Alfvén wave generated electron time dispersion. <i>Geophysical Research Letters</i> , 2001, 28, 693-696.	4.0	69
60	Observations of kinetic scale field line resonances. <i>Geophysical Research Letters</i> , 2014, 41, 209-215.	4.0	69
61	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. <i>Geophysical Research Letters</i> , 2016, 43, 12,348.	4.0	69
62	Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7622-7635.	2.4	68
63	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6620-6631.	2.4	67
64	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.	2.4	66
65	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 5571-5580.	4.0	66
66	Electric and magnetic radial diffusion coefficients using the Van Allen probes data. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9586-9607.	2.4	66
67	Evidence of stronger pitch angle scattering loss caused by oblique whistler-mode waves as compared with quasi-parallel waves. <i>Geophysical Research Letters</i> , 2014, 41, 6063-6070.	4.0	63
68	A novel technique to construct the global distribution of whistler mode chorus wave intensity using low-altitude POES electron data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5685-5699.	2.4	63
69	Survey of the frequency dependent latitudinal distribution of the fast magnetosonic wave mode from Van Allen Probes Electric and Magnetic Field Instrument and Integrated Science waveform receiver plasma wave analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2902-2921.	2.4	63
70	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.	4.0	62
71	Properties of Intense Field-Aligned Lower-Band Chorus Waves: Implications for Nonlinear Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5379-5393.	2.4	62
72	Observed trends in auroral zone ion mode solitary wave structure characteristics using data from Polar. <i>Journal of Geophysical Research</i> , 2001, 106, 19013-19021.	3.3	61

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73	First results from the Cluster wideband plasma wave investigation. <i>Annales Geophysicae</i> , 2001, 19, 1259-1272.	1.6	60
74	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2014, 41, 229-235.	4.0	60
75	High-resolution in situ observations of electron precipitation causing EMIC waves. <i>Geophysical Research Letters</i> , 2015, 42, 9633-9641.	4.0	59
76	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.	2.4	57
77	Properties of large electric fields in the plasma sheet at 4-7RE measured with Polar. <i>Journal of Geophysical Research</i> , 2001, 106, 5779-5798.	3.3	56
78	Generation of unusually low frequency plasmaspheric hiss. <i>Geophysical Research Letters</i> , 2014, 41, 5702-5709.	4.0	56
79	Broadband low-frequency electromagnetic waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8603-8615.	2.4	56
80	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , 2014, 41, 4101-4108.	4.0	55
81	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.	2.4	55
82	EMIC wave scale size in the inner magnetosphere: Observations from the dual Van Allen Probes. <i>Geophysical Research Letters</i> , 2017, 44, 1227-1233.	4.0	55
83	Electron temperature and density at high latitude. <i>Journal of Geophysical Research</i> , 1998, 103, 14837-14845.	3.3	54
84	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,737.	2.4	54
85	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. <i>Geophysical Research Letters</i> , 2019, 46, 7182-7190.	4.0	53
86	Evidence for electrostatic shocks as the source of discrete auroral arcs. <i>Journal of Geophysical Research</i> , 1983, 88, 4105-4113.	3.3	52
87	Van Allen Probe observations of periodic rising frequencies of the fast magnetosonic mode. <i>Geophysical Research Letters</i> , 2014, 41, 8161-8168.	4.0	52
88	Nonlinear wave growth theory of coherent hiss emissions in the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7642-7657.	2.4	52
89	In situ observations of EMIC waves in O ⁺ band by the Van Allen Probe A. <i>Geophysical Research Letters</i> , 2015, 42, 1312-1317.	4.0	52
90	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016, 199, 283-305.	8.1	52

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91	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. <i>Geophysical Research Letters</i> , 2014, 41, 6307-6313.	4.0	51
92	A neural network model of three-dimensional dynamic electron density in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9183-9197.	2.4	51
93	Identification of the source of quasiperiodic VLF emissions using ground-based and Van Allen Probes satellite observations. <i>Geophysical Research Letters</i> , 2015, 42, 6137-6145.	4.0	50
94	Correlated Pc4-5 ULF waves, whistler-mode chorus, and pulsating aurora observed by the Van Allen Probes and ground-based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8749-8761.	2.4	50
95	Simulation of energy-dependent electron diffusion processes in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4217-4231.	2.4	50
96	The relationship between the macroscopic state of electrons and the properties of chorus waves observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2016, 43, 7804-7812.	4.0	50
97	Effects of whistler mode hiss waves in March 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7433-7462.	2.4	50
98	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2605-2619.	2.4	50
99	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2466-2483.	2.4	50
100	Intense duskside lower band chorus waves observed by Van Allen Probes: Generation and potential acceleration effect on radiation belt electrons. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4266-4273.	2.4	49
101	Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. <i>Geophysical Research Letters</i> , 2018, 45, 10874-10882.	4.0	49
102	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.	4.0	48
103	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019, 46, 6258-6267.	4.0	48
104	Statistics of multispacecraft observations of chorus dispersion and source location. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
105	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1182-1196.	2.4	46
106	Measurements of the Shear Alfvén Wave Dispersion for Finite Perpendicular Wave Number. <i>Physical Review Letters</i> , 2003, 90, 035004.	7.8	45
107	Low-harmonic magnetosonic waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6230-6257.	2.4	44
108	Externally driven plasmaspheric ULF waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 526-552.	2.4	44

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109	Toward Astrophysical Turbulence in the Laboratory. <i>Physical Review Letters</i> , 2012, 109, 255001.	7.8	43
110	A Statistical Study of EMIC Waves Associated With and Without Energetic Particle Injection From the Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 433-450.	2.4	43
111	Multipoint Observations of Energetic Particle Injections and Substorm Activity During a Conjunction Between Magnetospheric Multiscale (MMS) and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,481.	2.4	42
112	High-latitude plasma convection from Cluster EDI: variances and solar wind correlations. <i>Annales Geophysicae</i> , 2007, 25, 1691-1707.	1.6	42
113	RAM-SCB simulations of electron transport and plasma wave scattering during the October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8712-8727.	2.4	41
114	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2019, 46, 4070-4078.	4.0	41
115	Spatial localization and ducting of EMIC waves: Van Allen Probes and ground-based observations. <i>Geophysical Research Letters</i> , 2014, 41, 785-792.	4.0	40
116	Plasmatrough exohiss waves observed by Van Allen Probes: Evidence for leakage from plasmasphere and resonant scattering of radiation belt electrons. <i>Geophysical Research Letters</i> , 2015, 42, 1012-1019.	4.0	40
117	Van Allen Probes investigation of the large-scale duskward electric field and its role in ring current formation and plasmasphere erosion in the 1 June 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4531-4543.	2.4	39
118	Extreme ionospheric ion energization and electron heating in Alfvén waves in the storm time inner magnetosphere. <i>Geophysical Research Letters</i> , 2015, 42, 10,531.	4.0	38
119	Study of EMIC wave excitation using direct ion measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2702-2719.	2.4	38
120	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3212-3222.	2.4	38
121	Quantifying the relative contributions of substorm injections and chorus waves to the rapid outward extension of electron radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,023.	2.4	37
122	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1035-1051.	2.4	37
123	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. <i>Geophysical Research Letters</i> , 2019, 46, 3615-3624.	4.0	37
124	Observations and Fokker-Planck Simulations of the Shell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1125-1142.	2.4	37
125	Rapid Frequency Variations Within Intense Chorus Wave Packets. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088853.	4.0	37
126	Nonlinear decay of foreshock Langmuir waves in the presence of plasma inhomogeneities: Theory and Cluster observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36

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127	The role of ring current particle injections: Global simulations and Van Allen Probes observations during 17 March 2013 storm. <i>Geophysical Research Letters</i> , 2014, 41, 1126-1132.	4.0	36
128	Quantifying hiss-driven energetic electron precipitation: A detailed conjunction event analysis. <i>Geophysical Research Letters</i> , 2014, 41, 1085-1092.	4.0	36
129	ELF/VLF wave propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5384-5393.	2.4	36
130	EMIC waves and associated relativistic electron precipitation on 25-26 January 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,086.	2.4	36
131	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.	4.0	36
132	EMIC Wave Properties Associated With and Without Injections in The Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2029-2045.	2.4	36
133	Electron time dispersion. <i>Journal of Geophysical Research</i> , 1994, 99, 2159.	3.3	35
134	Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	35
135	The Characteristics of EMIC Waves in the Magnetosphere Based on the Van Allen Probes and Arase Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029001.	2.4	35
136	Simulations of inner magnetosphere dynamics with an expanded RAM-SCB model and comparisons with Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014, 41, 2687-2694.	4.0	34
137	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015, 42, 3129-3140.	4.0	34
138	Rapid enhancement of low-energy ($\leq 100\text{ eV}$) ion flux in response to interplanetary shocks based on two Van Allen Probes case studies: Implications for source regions and heating mechanisms. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6430-6443.	2.4	34
139	Using the cold plasma dispersion relation and whistler mode waves to quantify the antenna sheath impedance of the Van Allen Probes EFW instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4590-4606.	2.4	33
140	The Characteristic Pitch Angle Distributions of 1 keV to 600 keV Protons Near the Equator Based On Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9464-9473.	2.4	33
141	Cyclotron Acceleration of Relativistic Electrons Through Landau Resonance With Obliquely Propagating Whistler-Mode Chorus Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2795-2810.	2.4	33
142	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014, 41, 1869-1875.	4.0	32
143	Low-Energy ($\leq \text{keV}$) O^{+} Ion Outflow Directly Into the Inner Magnetosphere: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 405-419.	2.4	32
144	Plasma convection in the magnetotail lobes: statistical results from Cluster EDI measurements. <i>Annales Geophysicae</i> , 2008, 26, 2371-2382.	1.6	31

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145	Van Allen Probes observations of unusually low frequency whistler mode waves observed in association with moderate magnetic storms: Statistical study. <i>Geophysical Research Letters</i> , 2015, 42, 7273-7281.	4.0	31
146	Observation of chorus waves by the Van Allen Probes: Dependence on solar wind parameters and scale size. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7608-7621.	2.4	31
147	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8331-8357.	2.4	30
148	Multi-Instrument Observation of Nonlinear EMIC-Driven Electron Precipitation at sub-MeV Energies. <i>Geophysical Research Letters</i> , 2019, 46, 7248-7257.	4.0	30
149	Kinetic Alfvén waves and particle response associated with a shock-induced, global ULF perturbation of the terrestrial magnetosphere. <i>Geophysical Research Letters</i> , 2015, 42, 9203-9212.	4.0	29
150	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,047.	2.4	29
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