## Craig A Kletzing

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4376275/publications.pdf Version: 2024-02-01

		16451	24258
321	16,139	64	110
papers	citations	h-index	g-index
222	222	222	2014
222	222	222	5214
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. Space Science Reviews, 2013, 179, 127-181.	8.1	932
2	Rapid local acceleration of relativistic radiation-belt electrons by magnetospheric chorus. Nature, 2013, 504, 411-414.	27.8	608
3	Electron Acceleration in the Heart of the Van Allen Radiation Belts. Science, 2013, 341, 991-994.	12.6	463
4	Small Scale Alfvénic Structure in the Aurora. Space Science Reviews, 2000, 92, 423-533.	8.1	431
5	Electron densities inferred from plasma wave spectra obtained by the Waves instrument on Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 904-914.	2.4	395
6	The FIELDS Instrument Suite on MMS: Scientific Objectives, Measurements, and Data Products. Space Science Reviews, 2016, 199, 105-135.	8.1	390
7	Effect of EMIC waves on relativistic and ultrarelativistic electron populations: Groundâ€based and Van Allen Probes observations. Geophysical Research Letters, 2014, 41, 1375-1381.	4.0	294
8	Evidence for kinetic Alfvén waves and parallel electron energization at 4-6REaltitudes in the plasma sheet boundary layer. Journal of Geophysical Research, 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. Journal of Geophysical Research, 2000, 105, 18675-18692.	3.3	250
10	A Long-Lived Relativistic Electron Storage Ring Embedded in Earth's Outer Van Allen Belt. Science, 2013, 340, 186-190.	12.6	216
11	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. Journal of Geophysical Research: Space Physics, 2015, 120, 7240-7254.	2.4	215
12	The occurrence and wave properties of H <sup>+</sup> â€, He <sup>+</sup> â€, and O <sup>+</sup> â€band EMIC waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 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. Geophysical Research Letters, 1999, 26, 425-428.	4.0	183
14	Radiation belt electron acceleration by chorus waves during the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2014, 119, 4681-4693.	2.4	182
15	Electron acceleration by kinetic Alfvén waves. Journal of Geophysical Research, 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. Space Science Reviews, 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. Journal of Geophysical Research: Space Physics, 2015, 120, 3393-3405.	2.4	164
18	Model of magnetosheath plasma in the magnetosphere: Cusp and mantle particles at lowâ€altitudes. Geophysical Research Letters, 1993, 20, 479-482.	4.0	162

#	Article	IF	CITATIONS
19	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.	4.0	153
20	Evolution and slow decay of an unusual narrow ring of relativistic electrons near L ~ 3.2 following the September 2012 magnetic storm. Geophysical Research Letters, 2013, 40, 3507-3511.	4.0	150
21	Excitation of poloidal standing Alfvén waves through drift resonance waveâ€particle interaction. Geophysical Research Letters, 2013, 40, 4127-4132.	4.0	134
22	Energetic electron precipitation associated with pulsating aurora: EISCAT and Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 2754-2766.	2.4	133
23	Fine structure of largeâ€amplitude chorus wave packets. Geophysical Research Letters, 2014, 41, 293-299.	4.0	130
24	Van Allen Probes observation of localized drift resonance between poloidal mode ultraâ€low frequency waves and 60 keV electrons. Geophysical Research Letters, 2013, 40, 4491-4497.	4.0	127
25	Gradual diffusion and punctuated phase space density enhancements of highly relativistic electrons: Van Allen Probes observations. Geophysical Research Letters, 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. Journal of Geophysical Research: Space Physics, 2015, 120, 5465-5488.	2.4	127
27	An unusual enhancement of lowâ€frequency plasmaspheric hiss in the outer plasmasphere associated with substormâ€injected electrons. Geophysical Research Letters, 2013, 40, 3798-3803.	4.0	120
28	Direct observation of large, quasi-static, parallel electric fields in the auroral acceleration region. Geophysical Research Letters, 1998, 25, 1629-1632.	4.0	112
29	Resonant scattering of energetic electrons by unusual low-frequency hiss. Geophysical Research Letters, 2014, 41, 1854-1861.	4.0	110
30	Correlation of Alfvén wave Poynting flux in the plasma sheet at 4–7REwith ionospheric electron energy flux. Journal of Geophysical Research, 2002, 107, SMP 24-1.	3.3	105
31	Solitary potential structures associated with ion and electron beams near 1REaltitude. Journal of Geophysical Research, 1999, 104, 28709-28717.	3.3	103
32	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.	2.4	103
33	Electron scattering by magnetosonic waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 274-285.	2.4	102
34	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 3325-3332.	2.4	101
35	Whistler anisotropy instabilities as the source of banded chorus: Van Allen Probes observations and particleâ€inâ€cell simulations. Journal of Geophysical Research: Space Physics, 2014, 119, 8288-8298.	2.4	101
36	New chorus wave properties near the equator from Van Allen Probes wave observations. Geophysical Research Letters, 2016, 43, 4725-4735.	4.0	100

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

#	Article	IF	CITATIONS
55	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. Geophysical Research Letters, 2016, 43, 8867-8875.	4.0	75
56	Fine structure of plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2014, 119, 9134-9149.	2.4	74
57	Statistical characteristics of EMIC waves: Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4400-4408.	2.4	72
58	Reproducing the observed energyâ€dependent structure of Earth's electron radiation belts during storm recovery with an eventâ€specific diffusion model. Geophysical Research Letters, 2016, 43, 5616-5625.	4.0	71
59	Alfvén wave generated electron time dispersion. Geophysical Research Letters, 2001, 28, 693-696.	4.0	69
60	Observations of kinetic scale field line resonances. Geophysical Research Letters, 2014, 41, 209-215.	4.0	69
61	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. Geophysical Research Letters, 2016, 43, 12,348.	4.0	69
62	Prompt acceleration of magnetospheric electrons to ultrarelativistic energies by the 17 March 2015 interplanetary shock. Journal of Geophysical Research: Space Physics, 2016, 121, 7622-7635.	2.4	68
63	Direct evidence for EMIC wave scattering of relativistic electrons in space. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2015, 120, 4748-4762.	2.4	66
65	Electron jet of asymmetric reconnection. Geophysical Research Letters, 2016, 43, 5571-5580.	4.0	66
66	Electric and magnetic radial diffusion coefficients using the Van Allen probes data. Journal of Geophysical Research: Space Physics, 2016, 121, 9586-9607.	2.4	66
67	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.	4.0	63
68	A novel technique to construct the global distribution of whistler mode chorus wave intensity using Iowâ€altitude POES electron data. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2016, 121, 2902-2921.	2.4	63
70	Nearâ€Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. Geophysical Research Letters, 2015, 42, 6170-6179.	4.0	62
71	Properties of Intense Fieldâ€Aligned Lowerâ€Band Chorus Waves: Implications for Nonlinear Waveâ€Particle Interactions. Journal of Geophysical Research: Space Physics, 2018, 123, 5379-5393.	2.4	62
72	Observed trends in auroral zone ion mode solitary wave structure characteristics using data from Polar. Journal of Geophysical Research, 2001, 106, 19013-19021.	3.3	61

#	Article	IF	CITATIONS
73	First results from the Cluster wideband plasma wave investigation. Annales Geophysicae, 2001, 19, 1259-1272.	1.6	60
74	Nonstorm time dynamics of electron radiation belts observed by the Van Allen Probes. Geophysical Research Letters, 2014, 41, 229-235.	4.0	60
75	Highâ€resolution in situ observations of electron precipitationâ€causing EMIC waves. Geophysical Research Letters, 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. Journal of Geophysical Research: Space Physics, 2014, 119, 8262-8273.	2.4	57
77	Properties of large electric fields in the plasma sheet at 4-7REmeasured with Polar. Journal of Geophysical Research, 2001, 106, 5779-5798.	3.3	56
78	Generation of unusually low frequency plasmaspheric hiss. Geophysical Research Letters, 2014, 41, 5702-5709.	4.0	56
79	Broadband lowâ€frequency electromagnetic waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8603-8615.	2.4	56
80	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. Geophysical Research Letters, 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. Journal of Geophysical Research: Space Physics, 2016, 121, 3254-3263.	2.4	55
82	EMIC wave scale size in the inner magnetosphere: Observations from the dual Van Allen Probes. Geophysical Research Letters, 2017, 44, 1227-1233.	4.0	55
83	Electron temperature and density at high latitude. Journal of Geophysical Research, 1998, 103, 14837-14845.	3.3	54
84	Characteristic energy range of electron scattering due to plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2016, 121, 11,737.	2.4	54
85	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. Geophysical Research Letters, 2019, 46, 7182-7190.	4.0	53
86	Evidence for electrostatic shocks as the source of discrete auroral arcs. Journal of Geophysical Research, 1983, 88, 4105-4113.	3.3	52
87	Van Allen Probe observations of periodic rising frequencies of the fast magnetosonic mode. Geophysical Research Letters, 2014, 41, 8161-8168.	4.0	52
88	Nonlinear wave growth theory of coherent hiss emissions in the plasmasphere. Journal of Geophysical Research: Space Physics, 2015, 120, 7642-7657.	2.4	52
89	In situ observations of EMIC waves in O <sup>+</sup> band by the Van Allen Probe A. Geophysical Research Letters, 2015, 42, 1312-1317.	4.0	52
90	The Electron Drift Instrument for MMS. Space Science Reviews, 2016, 199, 283-305.	8.1	52

#	Article	IF	CITATIONS
91	The trapping of equatorial magnetosonic waves in the Earth's outer plasmasphere. Geophysical Research Letters, 2014, 41, 6307-6313.	4.0	51
92	A neural network model of threeâ€dimensional dynamic electron density in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2017, 122, 9183-9197.	2.4	51
93	Identification of the source of quasiperiodic VLF emissions using groundâ€based and Van Allen Probes satellite observations. Geophysical Research Letters, 2015, 42, 6137-6145.	4.0	50
94	Correlated Pc4–5 ULF waves, whistlerâ€mode chorus, and pulsating aurora observed by the Van Allen Probes and groundâ€based systems. Journal of Geophysical Research: Space Physics, 2015, 120, 8749-8761.	2.4	50
95	Simulation of energyâ€dependent electron diffusion processes in the Earth's outer radiation belt. Journal of Geophysical Research: Space Physics, 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. Geophysical Research Letters, 2016, 43, 7804-7812.	4.0	50
97	Effects of whistler mode hiss waves in March 2013. Journal of Geophysical Research: Space Physics, 2017, 122, 7433-7462.	2.4	50
98	Statistical Properties of Plasmaspheric Hiss From Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 2605-2619.	2.4	50
99	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2014, 119, 4266-4273.	2.4	49
101	Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. Geophysical Research Letters, 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. Geophysical Research Letters, 2015, 42, 241-248.	4.0	48
103	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. Geophysical Research Letters, 2019, 46, 6258-6267.	4.0	48
104	Statistics of multispacecraft observations of chorus dispersion and source location. Journal of Geophysical Research, 2009, 114, .	3.3	46
105	Formation of the oxygen torus in the inner magnetosphere: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 1182-1196.	2.4	46
106	Measurements of the Shear Alfvén Wave Dispersion for Finite Perpendicular Wave Number. Physical Review Letters, 2003, 90, 035004.	7.8	45
107	Lowâ€harmonic magnetosonic waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 6230-6257.	2.4	44
108	Externally driven plasmaspheric ULF waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 526-552.	2.4	44

#	Article	IF	CITATIONS
109	Toward Astrophysical Turbulence in the Laboratory. Physical Review Letters, 2012, 109, 255001.	7.8	43
110	A Statistical Study of EMIC Waves Associated With and Without Energetic Particle Injection From the Magnetotail. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2017, 122, 11,481.	2.4	42
112	High-latitude plasma convection from Cluster EDI: variances and solar wind correlations. Annales Geophysicae, 2007, 25, 1691-1707.	1.6	42
113	RAMâ€SCB simulations of electron transport and plasma wave scattering during the October 2012 "doubleâ€dip―storm. Journal of Geophysical Research: Space Physics, 2016, 121, 8712-8727.	2.4	41
114	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. Geophysical Research Letters, 2019, 46, 4070-4078.	4.0	41
115	Spatial localization and ducting of EMIC waves: Van Allen Probes and groundâ€based observations. Geophysical Research Letters, 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. Geophysical Research Letters, 2015, 42, 1012-1019.	4.0	40
117	Van Allen Probes investigation of the largeâ€scale duskward electric field and its role in ring current formation and plasmasphere erosion in the 1 June 2013 storm. Journal of Geophysical Research: Space Physics, 2015, 120, 4531-4543.	2.4	39
118	Extreme ionospheric ion energization and electron heating in Alfvén waves in the storm time inner magnetosphere. Geophysical Research Letters, 2015, 42, 10,531.	4.0	38
119	Study of EMIC wave excitation using direct ion measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 2702-2719.	2.4	38
120	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2014, 119, 10,023.	2.4	37
122	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. Journal of Geophysical Research: Space Physics, 2019, 124, 1035-1051.	2.4	37
123	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. Geophysical Research Letters, 2019, 46, 3615-3624.	4.0	37
124	Observations and Fokkerâ€Planck Simulations of the <i>L</i> â€6hell, Energy, and Pitch Angle Structure of Earth's Electron Radiation Belts During Quiet Times. Journal of Geophysical Research: Space Physics, 2019, 124, 1125-1142.	2.4	37
125	Rapid Frequency Variations Within Intense Chorus Wave Packets. Geophysical Research Letters, 2020, 47, e2020GL088853.	4.0	37
126	Nonlinear decay of foreshock Langmuir waves in the presence of plasma inhomogeneities: Theory and Cluster observations. Journal of Geophysical Research, 2005, 110, .	3.3	36

#	Article	IF	CITATIONS
127	The role of ring current particle injections: Global simulations and Van Allen Probes observations during 17 March 2013 storm. Geophysical Research Letters, 2014, 41, 1126-1132.	4.0	36
128	Quantifying hissâ€driven energetic electron precipitation: A detailed conjunction event analysis. Geophysical Research Letters, 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. Journal of Geophysical Research: Space Physics, 2016, 121, 5384-5393.	2.4	36
130	EMIC waves and associated relativistic electron precipitation on 25–26 January 2013. Journal of Geophysical Research: Space Physics, 2016, 121, 11,086.	2.4	36
131	Van Allen Probes Observations of Chorus Wave Vector Orientations: Implications for the Chorusâ€ŧoâ€Hiss Mechanism. Geophysical Research Letters, 2019, 46, 2337-2346.	4.0	36
132	EMIC Wave Properties Associated With and Without Injections in The Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 2029-2045.	2.4	36
133	Electron time dispersion. Journal of Geophysical Research, 1994, 99, 2159.	3.3	35
134	Chorus source properties that produce time shifts and frequency range differences observed on differences observed on different Cluster spacecraft. Journal of Geophysical Research, 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. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029001.	2.4	35
136	Simulations of inner magnetosphere dynamics with an expanded RAMâ€5CB model and comparisons with Van Allen Probes observations. Geophysical Research Letters, 2014, 41, 2687-2694.	4.0	34
137	Disappearance of plasmaspheric hiss following interplanetary shock. Geophysical Research Letters, 2015, 42, 3129-3140.	4.0	34
138	Rapid enhancement of lowâ€energy (<100 eV) ion flux in response to interplanetary shocks based on two Van Allen Probes case studies: Implications for source regions and heating mechanisms. Journal of Geophysical Research: Space Physics, 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. Journal of Geophysical Research: Space Physics, 2016, 121, 4590-4606.	2.4	33
140	The Characteristic Pitch Angle Distributions of 1ÂeV to 600ÂkeV Protons Near the Equator Based On Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2017, 122, 9464-9473.	2.4	33
141	Cyclotron Acceleration of Relativistic Electrons Through Landau Resonance With Obliquely Propagating Whistlerâ€Mode Chorus Emissions. Journal of Geophysical Research: Space Physics, 2019, 124, 2795-2810.	2.4	33
142	Van Allen Probes observations of direct waveâ€particle interactions. Geophysical Research Letters, 2014, 41, 1869-1875.	4.0	32
143	Lowâ€Energy (<keV) O <sup>+</sup> Ion Outflow Directly Into the Inner Magnetosphere: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 405-419. 	2.4	32
144	Plasma convection in the magnetotail lobes: statistical results from Cluster EDI measurements. Annales Geophysicae, 2008, 26, 2371-2382.	1.6	31

#	Article	IF	CITATIONS
145	Van Allen Probes observations of unusually low frequency whistler mode waves observed in association with moderate magnetic storms: Statistical study. Geophysical Research Letters, 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. Journal of Geophysical Research: Space Physics, 2016, 121, 7608-7621.	2.4	31
147	MMS, Van Allen Probes, GOES 13, and Groundâ€Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8331-8357.	2.4	30
148	Multiâ€instrument Observation of Nonlinear EMICâ€Driven Electron Precipitation at sub–MeV Energies. Geophysical Research Letters, 2019, 46, 7248-7257.	4.0	30
149	Kinetic Alfvén waves and particle response associated with a shockâ€induced, global ULF perturbation of the terrestrial magnetosphere. Geophysical Research Letters, 2015, 42, 9203-9212.	4.0	29
150	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. Journal of Geophysical Research: Space Physics, 2017, 122, 10,047.	2.4	29
151	The Outer Radiation Belt Response to the Storm Time Development of Seed Electrons and Chorus Wave Activity During CME and CIR Driven Storms. Journal of Geophysical Research: Space Physics, 2018, 123, 10,139.	2.4	29
152	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. Geophysical Research Letters, 2018, 45, 6755-6765.	4.0	29
153	In situ observations of Pc1 pearl pulsations by the Van Allen Probes. Geophysical Research Letters, 2014, 41, 1823-1829.	4.0	28
154	Van Allen Probes observations of magnetic field dipolarization and its associated O <sup>+</sup> flux variations in the inner magnetosphere at <i>L</i> < 6.6. Journal of Geophysical Research: Space Physics, 2016, 121, 7572-7589.	2.4	28
155	Lowâ€Energy (<200 eV) Electron Acceleration by ULF Waves in the Plasmaspheric Boundary Layer: Van Allen Probes Observation. Journal of Geophysical Research: Space Physics, 2017, 122, 9969-9982.	2.4	28
156	Investigating Loss of Relativistic Electrons Associated With EMIC Waves at Low <i>L</i> Values on 22 June 2015. Journal of Geophysical Research: Space Physics, 2019, 124, 4022-4036.	2.4	28
157	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. Geophysical Research Letters, 2020, 47, e2020GL088798.	4.0	28
158	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. , 2013, , 127-181.		28
159	High-latitude plasma convection during Northward IMF as derived from in-situ magnetospheric Cluster EDI measurements. Annales Geophysicae, 2008, 26, 2685-2700.	1.6	27
160	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. Geophysical Research Letters, 2016, 43, 4799-4807.	4.0	27
161	Rapid Precipitation of Relativistic Electron by EMIC Risingâ€Tone Emissions Observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2019, 124, 6701-6714.	2.4	27
162	Unified View of Nonlinear Wave Structures Associated with Whistler-Mode Chorus. Physical Review Letters, 2019, 122, 045101.	7.8	27

#	Article	IF	CITATIONS
163	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. Geophysical Research Letters, 2016, 43, 978-987.	4.0	26
164	Observational evidence of the nonlinear wave growth theory of plasmaspheric hiss. Geophysical Research Letters, 2016, 43, 10,040.	4.0	26
165	Ionization from soft electron precipitation in the auroral <i>F</i> region. Journal of Geophysical Research, 1989, 94, 3791-3798.	3.3	25
166	Analyzing linear and angular momentum conservation in digital videos of puck collisions. American Journal of Physics, 2000, 68, 841-847.	0.7	25
167	Polar observations of solitary waves at high and low altitudes and comparison to theory. Advances in Space Research, 2001, 28, 1631-1641.	2.6	25
168	Excitation of nightside magnetosonic waves observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2014, 119, 9125-9133.	2.4	25
169	In situ statistical observations of Pc1 pearl pulsations and unstructured EMIC waves by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 105-119.	2.4	25
170	Systematic Evaluation of Lowâ€Frequency Hiss and Energetic Electron Injections. Journal of Geophysical Research: Space Physics, 2017, 122, 10,263-10,274.	2.4	25
171	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. Geophysical Research Letters, 2017, 44, 12,057.	4.0	25
172	Rapid Loss of Relativistic Electrons by EMIC Waves in the Outer Radiation Belt Observed by Arase, Van Allen Probes, and the PWING Ground Stations. Geophysical Research Letters, 2018, 45, 12,720.	4.0	25
173	Rocket observations of structured upper hybrid waves at f uh = 2f ce. Geophysical Research Letters, 2004, 31, .	4.0	24
174	Measurements of Inertial Limit Alfvén Wave Dispersion for Finite Perpendicular Wave Number. Physical Review Letters, 2010, 104, 095001.	7.8	24
175	Alfvén wave collisions, the fundamental building block of plasma turbulence. IV. Laboratory experiment. Physics of Plasmas, 2013, 20, .	1.9	24
176	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. Journal of Geophysical Research: Space Physics, 2017, 122, 4420-4429.	2.4	24
177	A multispacecraft event study of Pc5 ultralowâ€frequency waves in the magnetosphere and their external drivers. Journal of Geophysical Research: Space Physics, 2017, 122, 5132-5147.	2.4	24
178	Artificial Neural Networks for Determining Magnetospheric Conditions. , 2018, , 279-300.		24
179	Cluster EDI convection measurements across the high-latitude plasma sheet boundary at midnight. Annales Geophysicae, 2001, 19, 1669-1681.	1.6	24
180	Applying the cold plasma dispersion relation to whistler mode chorus waves: EMFISIS wave measurements from the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 1144-1152	2.4	23

#	Article	IF	CITATIONS
181	Bayesian spectral analysis of chorus subelements from the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 6088-6106.	2.4	23
182	Dispersive Alfvén Wave Control of O <sup>+</sup> Ion Outflow and Energy Densities in the Inner Magnetosphere. Geophysical Research Letters, 2019, 46, 8597-8606.	4.0	23
183	Van Allen Probes Observations of Driftâ€Bounce Resonance and Energy Transfer Between Energetic Ring Current Protons and Poloidal Pc4 Wave. Journal of Geophysical Research: Space Physics, 2018, 123, 3421-3435.	2.4	22
184	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate spaceâ€ground observations. Journal of Geophysical Research: Space Physics, 2015, 120, 8707-8722.	2.4	21
185	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. Geophysical Research Letters, 2018, 45, 9344-9352.	4.0	21
186	Observation and Numerical Simulation of Cavity Mode Oscillations Excited by an Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 1969-1988.	2.4	21
187	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. Journal of Geophysical Research: Space Physics, 2018, 123, 5334-5343.	2.4	21
188	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028315.	2.4	21
189	Electric field statistics and modulation characteristics of bursty Langmuir waves observed in the cusp. Journal of Geophysical Research, 2010, 115, .	3.3	20
190	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. Journal of Geophysical Research: Space Physics, 2015, 120, 938-948.	2.4	20
191	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. Journal of Geophysical Research: Space Physics, 2018, 123, 6394-6423.	2.4	20
192	Electrodynamics of a substorm-related field line resonance observed by the Polar satellite in comparison with ground Pi2 pulsations. Journal of Geophysical Research, 2003, 108, .	3.3	19
193	Auroral electron dispersion below inverted-V energies: Resonant deceleration and acceleration by Alfvén waves. Journal of Geophysical Research, 2005, 110, .	3.3	19
194	Auroral Current and Electrodynamics Structure (ACES) observations of ionospheric feedback in the Alfvén resonator and model responses. Journal of Geophysical Research: Space Physics, 2013, 118, 3288-3296.	2.4	19
195	Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. Journal of Geophysical Research: Space Physics, 2016, 121, 7647-7663.	2.4	19
196	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.	2.4	19
197	Global Survey and Empirical Model of Fast Magnetosonic Waves Over Their Full Frequency Range in Earth's Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10270-10282.	2.4	19
198	Observations of traveling Pc5 waves and their relation to the magnetic cloud event of January 1997. Journal of Geophysical Research, 2000, 105, 5441-5452.	3.3	18

#	Article	IF	CITATIONS
199	The dependence of Langmuir wave amplitudes on position in Earth's foreshock. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	18
200	The relationship between the plasmapause and outer belt electrons. Journal of Geophysical Research: Space Physics, 2016, 121, 8392-8416.	2.4	18
201	Examining Coherency Scales, Substructure, and Propagation of Whistler Mode Chorus Elements With Magnetospheric Multiscale (MMS). Journal of Geophysical Research: Space Physics, 2017, 122, 11,201.	2.4	18
202	Longitudinal Structure of Oxygen Torus in the Inner Magnetosphere: Simultaneous Observations by Arase and Van Allen Probe A. Geophysical Research Letters, 2018, 45, 10,177.	4.0	18
203	Determining the Wave Vector Direction of Equatorial Fast Magnetosonic Waves. Geophysical Research Letters, 2018, 45, 7951-7959.	4.0	18
204	Multispacecraft observations of chorus dispersion and source location. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	17
205	Observations in the <i>E</i> region ionosphere of kappa distribution functions associated with precipitating auroral electrons and discrete aurorae. Journal of Geophysical Research: Space Physics, 2014, 119, 10,164.	2.4	17
206	Relativistic electron response to the combined magnetospheric impact of a coronal mass ejection overlapping with a highâ€speed stream: Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2015, 120, 7629-7641.	2.4	17
207	The complex nature of storm-time ion dynamics: Transport and local acceleration. Geophysical Research Letters, 2016, 43, 10,059-10,067.	4.0	17
208	Relativistic electron microbursts and variations in trapped MeV electron fluxes during the 8–9 October 2012 storm: SAMPEX and Van Allen Probes observations. Geophysical Research Letters, 2016, 43, 3017-3025.	4.0	17
209	Van Allen Probes observations of structured whistler mode activity and coincident electron Landau acceleration inside a remnant plasmaspheric plume. Journal of Geophysical Research: Space Physics, 2017, 122, 3073-3086.	2.4	17
210	Lightning Contribution to Overall Whistler Mode Wave Intensities in the Plasmasphere. Geophysical Research Letters, 2019, 46, 8607-8616.	4.0	17
211	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations. Earth, Planets and Space, 2020, 72, 111.	2.5	17
212	Effects of suprathermal tails on auroral electrodynamics. Journal of Geophysical Research, 1999, 104, 6783-6796.	3.3	16
213	Tests of collision operators using laboratory measurements of shear Alfvén wave dispersion and damping. Physics of Plasmas, 2009, 16, .	1.9	16
214	The Stormâ€Time Ring Current Response to ICMEs and CIRs Using Van Allen Probe Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 9017-9039.	2.4	16
215	Remote Detection of Drift Resonance Between Energetic Electrons and Ultralow Frequency Waves: Multisatellite Coordinated Observation by Arase and Van Allen Probes. Geophysical Research Letters, 2019, 46, 11642-11651.	4.0	16
216	A Model of the Subpacket Structure of Rising Tone Chorus Emissions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028094.	2.4	16

#	Article	IF	CITATIONS
217	The electrical and precipitation characteristics of morning sector Sun-aligned auroral arcs. Journal of Geophysical Research, 1996, 101, 17175-17189.	3.3	15
218	Four-field model for dispersive field-line resonances: Effects of coupling between shear-Alfvén and slow modes. Geophysical Research Letters, 1999, 26, 3281-3284.	4.0	15
219	Auroral-plasma sheet electron anisotropy. Geophysical Research Letters, 1999, 26, 971-974.	4.0	15
220	Alfvén wave collisions, the fundamental building block of plasma turbulence. III. Theory for experimental design. Physics of Plasmas, 2013, 20, .	1.9	15
221	Simultaneous Pi2 observations by the Van Allen Probes inside and outside the plasmasphere. Journal of Geophysical Research: Space Physics, 2015, 120, 4567-4575.	2.4	15
222	Van Allen Probe observations of drift-bounce resonances with Pc 4 pulsations and wave–particle interactions in the pre-midnight inner magnetosphere. Annales Geophysicae, 2015, 33, 955-964.	1.6	15
223	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 1–2 May 2014. Annales Geophysicae, 2016, 34, 985-998.	1.6	15
224	Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout. Journal of Geophysical Research: Space Physics, 2016, 121, 1990-2008.	2.4	15
225	Van Allen Probes observation of a 360° phase shift in the flux modulation of injected electrons by ULF waves. Geophysical Research Letters, 2017, 44, 1614-1624.	4.0	15
226	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. Journal of Geophysical Research: Space Physics, 2017, 122, 10,235.	2.4	15
227	Laboratory measurements of the physics of auroral electron acceleration by Alfvén waves. Nature Communications, 2021, 12, 3103.	12.8	15
228	The Importance of Electron Landau Damping for the Dissipation of Turbulent Energy in Terrestrial Magnetosheath Plasma. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	15
229	Characteristics of Langmuir electric field waveforms and power spectra exhibiting nonlinear behavior in Earth's foreshock. Journal of Geophysical Research, 2010, 115, .	3.3	14
230	Link between premidnight second harmonic poloidal waves and auroral undulations: Conjugate observations with a Van Allen Probe spacecraft and a THEMIS all-sky imager. Journal of Geophysical Research: Space Physics, 2015, 120, 1814-1831.	2.4	14
231	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 6262-6276.	2.4	14
232	The Storm Time Development of Source Electrons and Chorus Wave Activity During CME―and CIRâ€Driven Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 6438-6452.	2.4	14
233	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a Highâ $\in$ peed Solar Wind Stream Observed in September 2014. Journal of Geophysical Research: Space Physics, 2019, 124, 1660-1678.	2.4	14
234	Observation of the reactive component of Langmuir wave phase-bunched electrons. Geophysical Research Letters, 2005, 32, .	4.0	13

#	Article	IF	CITATIONS
235	Longitudinal Dependence of Whistler Mode Electromagnetic Waves in the Earth's Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 6562-6575.	2.4	13
236	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 5420-5434.	2.4	13
237	Determining Plasmaspheric Densities from Observations of Plasmaspheric Hiss. Journal of Geophysical Research: Space Physics, 2018, 123, 6679-6691.	2.4	13
238	Plasma Wave Observations at Earth, Jupiter, and Saturn. Geophysical Monograph Series, 0, , 415-430.	0.1	12
239	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. Journal of Geophysical Research: Space Physics, 2017, 122, 1871-1882.	2.4	12
240	"Zipperâ€like―periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1600-1610.	2.4	12
241	Analysis of Electric and Magnetic Lightningâ€Generated Wave Amplitudes Measured by the Van Allen Probes. Geophysical Research Letters, 2020, 47, e2020GL087503.	4.0	11
242	The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumes. Geophysical Research Letters, 2022, 49, .	4.0	11
243	Charge neutrality and ion conic distributions at the equatorward electron edge of the midaltitude cusp. Journal of Geophysical Research, 2001, 106, 21095-21108.	3.3	10
244	Plasma convection across the polar cap, plasma mantle and cusp: Cluster EDI observations. Annales Geophysicae, 2004, 22, 2451-2461.	1.6	10
245	Multiharmonic Toroidal Standing Alfvén Waves in the Midnight Sector Observed During a Geomagnetically Quiet Period. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027370.	2.4	10
246	Simultaneous Observations of Electromagnetic Ion Cyclotron (EMIC) Waves and Pitch Angle Scattering During a Van Allen Probes Conjunction. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027424.	2.4	10
247	A Multiâ€Instrument Approach to Determining the Sourceâ€Region Extent of EEPâ€Driving EMIC Waves. Geophysical Research Letters, 2020, 47, e2019GL086599.	4.0	10
248	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	10
249	Collaborative Research Activities of the Arase and Van Allen Probes. Space Science Reviews, 2022, 218, .	8.1	10
250	Simultaneous observations of solar wind plasma entry from FAST and POLAR. Geophysical Research Letters, 1998, 25, 2081-2084.	4.0	9
251	Plasma sheet dynamics observed by the Polar spacecraft in association with substorm onsets. Journal of Geophysical Research, 2001, 106, 19117-19130.	3.3	9
252	Statistical behavior of foreshock Langmuir waves observed by the Cluster wideband data plasma wave receiver. Annales Geophysicae, 2004, 22, 2337-2344.	1.6	9

#	Article	IF	CITATIONS
253	Design and use of an ElsÃ <b>s</b> ser probe for analysis of Alfvén wave fields according to wave direction. Review of Scientific Instruments, 2011, 82, 103505.	1.3	9
254	Measurements of parallel electron velocity distributions using whistler wave absorption. Review of Scientific Instruments, 2012, 83, 083503.	1.3	9
255	Multifrequency compressional magnetic field oscillations and their relation to multiharmonic toroidal mode standing Alfvén waves. Journal of Geophysical Research: Space Physics, 2015, 120, 10,384.	2.4	9
256	Generation Process of Largeâ€Amplitude Upperâ€Band Chorus Emissions Observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2018, 123, 3704-3713.	2.4	9
257	Electromagnetic power of lightning superbolts from Earth to space. Nature Communications, 2021, 12, 3553.	12.8	9
258	The global context of the 14 November 2012 storm event. Journal of Geophysical Research: Space Physics, 2015, 120, 1939-1956.	2.4	8
259	Automated Identification and Shape Analysis of Chorus Elements in the Van Allen Radiation Belts. Journal of Geophysical Research: Space Physics, 2017, 122, 12,353.	2.4	8
260	Multisatellite observations of the magnetosphere response to changes in the solar wind and interplanetary magnetic field. Annales Geophysicae, 2018, 36, 1319-1333.	1.6	8
261	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 9453-9475.	2.4	8
262	Radial Transport of Higherâ€Energy Oxygen Ions Into the Deep Inner Magnetosphere Observed by Van Allen Probes. Geophysical Research Letters, 2018, 45, 4534-4541.	4.0	8
263	On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12—A Case Study*. Astrophysical Journal, 2019, 872, 36.	4.5	8
264	Spatial Extent of Quasiperiodic Emissions Simultaneously Observed by Arase and Van Allen Probes on 29 November 2018. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028126.	2.4	8
265	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. Journal of Physics: Conference Series, 2020, 1623, 012005.	0.4	8
266	Interferometric Study of Ionospheric Plasma Irregularities in Regions of Phase Scintillations and HF Backscatter. Geophysical Research Letters, 2022, 49, .	4.0	8
267	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.	2.4	7
268	Multipoint observations of the openâ€closed field line boundary as observed by the Van Allen Probes and geostationary satellites during the 14 November 2012 geomagnetic storm. Journal of Geophysical Research: Space Physics, 2015, 120, 6596-6613.	2.4	7
269	Measurements of the nonlinear beat wave produced by the interaction of counterpropagating Alfvén waves. Physics of Plasmas, 2016, 23, .	1.9	7
270	Direct measurement of electron sloshing of an inertial Alfvén wave. Geophysical Research Letters, 2016, 43, 4701-4707.	4.0	7

#	Article	IF	CITATIONS
271	Variation in crossover frequency of EMIC waves in plasmasphere estimated from ion cyclotron whistler waves observed by Van Allen Probe A. Geophysical Research Letters, 2016, 43, 28-34.	4.0	7
272	Linear theory and measurements of electron oscillations in an inertial Alfvén wave. Physics of Plasmas, 2017, 24, 032902.	1.9	7
273	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. Solar Physics, 2017, 292, 1.	2.5	7
274	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. Annales Geophysicae, 2018, 36, 781-791.	1.6	7
275	Statistical Study of Selective Oxygen Increase in Highâ€Energy Ring Current Ions During Magnetic Storms. Journal of Geophysical Research: Space Physics, 2019, 124, 3193-3209.	2.4	7
276	The Electron Beam Instrument (F6) on Freja. Space Science Reviews, 1994, 70, 447-463.	8.1	6
277	Waveform and envelope field statistics for waves with stochastically driven amplitudes. Physics of Plasmas, 2010, 17, 032110.	1.9	6
278	Current Closure in the Auroral Ionosphere: Results From the Auroral Current and Electrodynamics Structure Rocket Mission. Geophysical Monograph Series, 2013, , 183-192.	0.1	6
279	Van Allen Probes observation and modeling of chorus excitation and propagation during weak geomagnetic activities. Journal of Geophysical Research: Space Physics, 2015, 120, 6371-6385.	2.4	6
280	Phase sorting waveâ€particle correlator. Journal of Geophysical Research: Space Physics, 2017, 122, 2069-2078.	2.4	6
281	Solar Rotation Period Driven Modulations of Plasmaspheric Density and Convective Electric Field in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 1726-1737.	2.4	6
282	Inter alibrated Measurements of Intense Whistlers by Arase and Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029700.	2.4	6
283	Electric fields derived from electron drift measurements. Geophysical Research Letters, 1994, 21, 1863-1866.	4.0	5
284	Polar observations of transverse magnetic pulsations initiated at substorm onset in the high-latitude plasma sheet. Journal of Geophysical Research, 2003, 108, .	3.3	5
285	O <sup>+</sup> ion conic and plasma sheet dynamics observed by Van Allen Probe satellites during the 1 June 2013 magnetic storm. Journal of Geophysical Research: Space Physics, 2016, 121, 4072-4091.	2.4	5
286	Statistical Study of Electron Bunching in Auroral Langmuir Waves. Journal of Geophysical Research: Space Physics, 2019, 124, 5956-5975.	2.4	5
287	Reconciliation of the substorm onset determined on the ground and at the Polar spacecraft. Geophysical Research Letters, 2001, 28, 107-110.	4.0	4
288	Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027509.	2.4	4

#	Article	IF	CITATIONS
289	TRICE 2 Observations of Lowâ€Energy Magnetospheric Ions Within the Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029382.	2.4	4
290	Multiple Reconnection Xâ€Lines at the Magnetopause and Overlapping Cusp Ion Injections. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
291	Interpretation of vector electric field measurements of bursty Langmuir waves in the cusp. Journal of Geophysical Research, 2012, 117, .	3.3	3
292	Analysis of Magnetic Fields in Inertial Alfvén Wave Collisions. IEEE Transactions on Plasma Science, 2014, 42, 2534-2535.	1.3	3
293	Analysis of plasmaspheric hiss wave amplitudes inferred from lowâ€altitude POES electron data: Technique sensitivity analysis. Journal of Geophysical Research: Space Physics, 2015, 120, 3552-3563.	2.4	3
294	Nonlinearity in chorus waves during a geomagnetic storm on 1 November 2012. Journal of Geophysical Research: Space Physics, 2016, 121, 358-373.	2.4	3
295	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. Journal of Geophysical Research: Space Physics, 2016, 121, 9619-9631.	2.4	3
296	Characteristics of Sudden Commencements Observed by Van Allen Probes in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 1295-1304.	2.4	3
297	The Cusp as a VLF Saucer Source: First Rocket Observations of Longâ€Duration VLF Saucers on the Dayside. Geophysical Research Letters, 2021, 48, e2020GL090747.	4.0	3
298	Modulated Upperâ€Hybrid Waves Coincident With Lowerâ€Hybrid Waves in the Cusp. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029590.	2.4	3
299	Multipoint observations of compressional Pc5 pulsations in the dayside magnetosphere and corresponding particle signatures. Annales Geophysicae, 2020, 38, 1267-1281.	1.6	3
300	Power Line Harmonic Radiation Observed by the Van Allen Probes Spacecraft. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	3
301	Propagation and Dispersion of Lightning-Generated Whistlers Measured From the Van Allen Probes. Frontiers in Physics, 2021, 9, .	2.1	2
302	Disentangling high energy chorus elements against structured background interference in the Van Allen radiation belts using braid manifolds. , 2020, , .		2
303	Flux Enhancements of Fieldâ€Aligned Lowâ€Energy O <sup>+</sup> Ion (FALEO) in the Inner Magnetosphere: A Possible Source of Warm Plasma Cloak and Oxygen Torus. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
304	Further sounding rocket observations of structured whistler mode auroral emissions. Journal of Geophysical Research, 2010, 115, .	3.3	1
305	Recent results from the Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on the Van Allen Probes. , 2014, , .		1
306	Alfvénic oscillations of the electron distribution function: Linear theory and experimental measurements. AlP Conference Proceedings, 2015, , .	0.4	1

#	Article	IF	CITATIONS
307	Electromagnetic Ion Cyclotron Waves Pattern Recognition Based on a Deep Learning Technique: Bag-of-Features Algorithm Applied to Spectrograms. Astrophysical Journal, Supplement Series, 2020, 249, 13.	7.7	1
308	Results of the Electron Drift Instrument on Cluster. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029313.	2.4	1
309	Electric field measurements using the electron beam technique at low altitudes. Geophysical Monograph Series, 1998, , 53-58.	0.1	1
310	Flight Calibration of the Van Allen Probe Magnetometers. Astrophysical Journal, Supplement Series, 2020, 250, 4.	7.7	1
311	Correction to "Multispacecraft observations of chorus dispersion and source location― Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	Ο
312	Forthcoming measurements of plasma waves by the EMFISIS investigation on the RBSP Spacecraft. , 2011, , .		0
313	Progress on understanding chorus emissions from data of the electric and magnetic field instrument suite and integrated science (EMFISIS) on the Van Allen Probes. , 2014, , .		Ο
314	Recent results from the electric and magnetic field instrument suite and integrated science (EMFISIS) on the Van Allen Probes. , 2014, , .		0
315	Calculation of whistler-mode wave intensity using energetic electron precipitation. , 2014, , .		Ο
316	Systematic evaluation of the characteristics and generation of low-frequency plasmaspheric hiss. , 2015, , .		0
317	Chorus Element Properties: Statistics From Automated Chorus Detection. , 2021, , .		Ο
318	The Electron Beam Instrument (F6) on Freja. , 1994, , 43-59.		0
319	The Electron Drift Instrument for MMS. , 2017, , 283-305.		Ο
320	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. , 2017, , 653-667.		0
321	From the Electromagnetic Power of Lightning on Earth to Lightning-Generated Whistlers in Space. , 2022, , .		Ο