

J R Wygant

List of Publications by Year in descending order

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226
papers

12,428
citations

22099

59
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30848

102
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233
all docs

233
docs citations

233
times ranked

3430
citing authors

#	ARTICLE	IF	CITATIONS
1	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
2	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013, 179, 183-220.	3.7	421
3	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
4	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.	0.8	395
5	Simulation of the prompt energization and transport of radiation belt particles during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1993, 20, 2423-2426.	1.5	393
6	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.	1.5	294
7	THE ELECTRIC FIELD AND WAVE EXPERIMENT FOR THE CLUSTER MISSION. <i>Space Science Reviews</i> , 1997, 79, 137-156.	3.7	282
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	Cluster observations of electron holes in association with magnetotail reconnection and comparison to simulations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	251
10	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
11	Cluster observations of an intense normal component of the electric field at a thin reconnecting current sheet in the tail and its role in the shock-like acceleration of the ion fluid into the separatrix region. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	249
12	Discovery of very large amplitude whistler-mode waves in Earth's radiation belts. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	249
13	Comparison of S3 polar cap potential drops with the interplanetary magnetic field and models of magnetopause reconnection. <i>Journal of Geophysical Research</i> , 1983, 88, 5727-5735.	3.3	236
14	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.	1.5	183
15	The dc and ac electric field, plasma density, plasma temperature, and field-aligned current experiments on the S3 satellite. <i>Journal of Geophysical Research</i> , 1979, 84, 5875-5884.	3.3	177
16	The electric field instrument on the polar satellite. <i>Space Science Reviews</i> , 1995, 71, 583-596.	3.7	168
17	Dependence of the large-scale, inner magnetospheric electric field on geomagnetic activity. <i>Journal of Geophysical Research</i> , 1998, 103, 14959-14964.	3.3	162
18	Experimental evidence on the role of the large spatial scale electric field in creating the ring current. <i>Journal of Geophysical Research</i> , 1998, 103, 29527-29544.	3.3	161

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19	An impenetrable barrier to ultrarelativistic electrons in the Van Allen radiation belts. <i>Nature</i> , 2014, 515, 531-534.	13.7	159
20	Simulations of radiation belt formation during storm sudden commencements. <i>Journal of Geophysical Research</i> , 1997, 102, 14087-14102.	3.3	139
21	The Global Morphology of Wave Poynting Flux: Powering the Aurora. <i>Science</i> , 2003, 299, 383-386.	6.0	136
22	Excitation of poloidal standing Alfvén waves through drift resonance wave-particle interaction. <i>Geophysical Research Letters</i> , 2013, 40, 4127-4132.	1.5	134
23	Polar observations of solitary waves at the Earth's magnetopause. <i>Geophysical Research Letters</i> , 2002, 29, 9-1-9-4.	1.5	132
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.	1.5	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.	1.5	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.	0.8	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.	1.5	120
28	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015, 42, 2079-2087.	1.5	112
29	Correlation of Alfvén wave Poynting flux in the plasma sheet at 4 ^h RE with ionospheric electron energy flux. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 24-1.	3.3	105
30	Shock-induced prompt relativistic electron acceleration in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1661-1674.	0.8	104
31	Chorus acceleration of radiation belt relativistic electrons during March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3325-3332.	0.8	101
32	Simulation of proton radiation belt formation during the March 24, 1991 SSC. <i>Geophysical Research Letters</i> , 1995, 22, 291-294.	1.5	98
33	Large amplitude electric and magnetic field signatures in the inner magnetosphere during injection of 15 MeV electron drift echoes. <i>Geophysical Research Letters</i> , 1994, 21, 1739-1742.	1.5	97
34	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.	1.5	96
35	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.	0.8	93
36	CRRES Poynting vector observations of electromagnetic ion cyclotron waves near the plasmopause. <i>Journal of Geophysical Research</i> , 1996, 101, 15331-15343.	3.3	89

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37	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.	1.5	88
38	The properties of large amplitude whistler mode waves in the magnetosphere: Propagation and relationship with geomagnetic activity. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	83
39	Global-scale coherence modulation of radiation-belt electron loss from plasmaspheric hiss. <i>Nature</i> , 2015, 523, 193-195.	13.7	83
40	CRRES electric field power spectra and radial diffusion coefficients. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	80
41	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.	1.5	78
42	The distribution of plasmaspheric hiss wave power with respect to plasmopause location. <i>Geophysical Research Letters</i> , 2016, 43, 7878-7886.	1.5	78
43	Nonlinear electric field structures in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2014, 41, 5693-5701.	1.5	76
44	Electric field structures and waves at plasma boundaries in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4246-4263.	0.8	73
45	Statistical characteristics of EMIC waves: Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4400-4408.	0.8	72
46	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015, 6, 10096.	5.8	71
47	Observations of kinetic scale field line resonances. <i>Geophysical Research Letters</i> , 2014, 41, 209-215.	1.5	69
48	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.	0.8	68
49	Alfvén waves and Poynting flux observed simultaneously by Polar and FAST in the plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	66
50	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.	0.8	66
51	Electric and magnetic radial diffusion coefficients using the Van Allen probes data. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9586-9607.	0.8	66
52	Storm time observations of plasmasphere erosion flux in the magnetosphere and ionosphere. <i>Geophysical Research Letters</i> , 2014, 41, 762-768.	1.5	65
53	Megavolt Parallel Potentials Arising from Double-Layer Streams in the Earth's Outer Radiation Belt. <i>Physical Review Letters</i> , 2013, 111, 235002.	2.9	64
54	CRRES electric field/Langmuir probe instrument. <i>Journal of Spacecraft and Rockets</i> , 1992, 29, 601-604.	1.3	63

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55	The source of O^{+} in the storm time ring current. Journal of Geophysical Research: Space Physics, 2016, 121, 5333-5349.	0.8	63
56	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.	0.8	63
57	Near-Earth injection of MeV electrons associated with intense dipolarization electric fields: Van Allen Probes observations. Geophysical Research Letters, 2015, 42, 6170-6179.	1.5	62
58	Some properties of Alfvén waves: Observations in the tail lobes and the plasma sheet boundary layer. Journal of Geophysical Research, 2005, 110, .	3.3	61
59	Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	61
60	Spacecraft charging and ion wake formation in the near-Sun environment. Physics of Plasmas, 2010, 17, 072903.	0.7	59
61	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.	0.8	57
62	Properties of large electric fields in the plasma sheet at 4-7RE measured with Polar. Journal of Geophysical Research, 2001, 106, 5779-5798.	3.3	56
63	Broadband low-frequency electromagnetic waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 8603-8615.	0.8	56
64	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.	0.8	55
65	Statistical properties of low-frequency plasmaspheric hiss. Journal of Geophysical Research: Space Physics, 2017, 122, 8340-8352.	0.8	55
66	Van Allen Probe observations of periodic rising frequencies of the fast magnetosonic mode. Geophysical Research Letters, 2014, 41, 8161-8168.	1.5	52
67	Modeling subauroral polarization streams during the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2015, 120, 1738-1750.	0.8	52
68	In situ observations of EMIC waves in O^{+} band by the Van Allen Probe A. Geophysical Research Letters, 2015, 42, 1312-1317.	1.5	52
69	Correlated Pc4-5 ULF waves, whistler-mode chorus, and pulsating aurora observed by the Van Allen Probes and ground-based systems. Journal of Geophysical Research: Space Physics, 2015, 120, 8749-8761.	0.8	50
70	Modeling CME-shock-driven storms in 2012-2013: MHD test particle simulations. Journal of Geophysical Research: Space Physics, 2015, 120, 1168-1181.	0.8	50
71	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.	0.8	49
72	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. Journal of Geophysical Research: Space Physics, 2016, 121, 6400-6416.	0.8	49

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73	Fast Diffusion of Ultrarelativistic Electrons in the Outer Radiation Belt: 17 March 2015 Storm Event. <i>Geophysical Research Letters</i> , 2018, 45, 10874-10882.	1.5	49
74	Spacecraft surface charging within geosynchronous orbit observed by the Van Allen Probes. <i>Space Weather</i> , 2016, 14, 151-164.	1.3	47
75	Location of intense electromagnetic ion cyclotron (EMIC) wave events relative to the plasmapause: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4064-4088.	0.8	45
76	Low-frequency harmonic magnetosonic waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6230-6257.	0.8	44
77	Externally driven plasmaspheric ULF waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 526-552.	0.8	44
78	Pi2 pulsations observed with the Polar satellite and ground stations: Coupling of trapped and propagating fast mode waves to a midlatitude field line resonance. <i>Journal of Geophysical Research</i> , 2001, 106, 25891-25904.	3.3	43
79	Chorus whistler wave source scales as determined from multipoint Van Allen Probe measurements. <i>Geophysical Research Letters</i> , 2017, 44, 2634-2642.	1.5	43
80	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.	0.8	43
81	Van Allen Probes Observations of Second Harmonic Poloidal Standing Alfvén Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 611-637.	0.8	41
82	Spatial localization and ducting of EMIC waves: Van Allen Probes and ground-based observations. <i>Geophysical Research Letters</i> , 2014, 41, 785-792.	1.5	40
83	Ion Injection Triggered EMIC Waves in the Earth's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4921-4938.	0.8	40
84	Evidence for injection of relativistic electrons into the Earth's outer radiation belt via intense substorm electric fields. <i>Geophysical Research Letters</i> , 2014, 41, 1133-1141.	1.5	39
85	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.	0.8	39
86	Variation in Plasmaspheric Hiss Wave Power With Plasma Density. <i>Geophysical Research Letters</i> , 2018, 45, 9417-9426.	1.5	39
87	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.	1.5	38
88	Study of EMIC wave excitation using direct ion measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 2702-2719.	0.8	38
89	Rapid Loss of Radiation Belt Relativistic Electrons by EMIC Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9880-9897.	0.8	38
90	Wave properties near the subsolar magnetopause: Pc 3-4 energy coupling for northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1993, 98, 187-196.	3.3	36

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91	Weak kinetic Alfvén waves turbulence during the 14 November 2012 geomagnetic storm: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5504-5523.	0.8	36
92	Van Allen Probes observations of oxygen cyclotron harmonic waves in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2016, 43, 8827-8834.	1.5	35
93	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019, 46, 12665-12674.	1.5	35
94	Observations of large amplitude parallel electric field wave packets at the plasma sheet boundary. <i>Geophysical Research Letters</i> , 1998, 25, 857-860.	1.5	34
95	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015, 42, 3129-3140.	1.5	34
96	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.	0.8	34
97	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.	0.8	33
98	Simulated Prompt Acceleration of Multi-MeV Electrons by the 17 March 2015 Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,036.	0.8	33
99	Statistical Occurrence and Distribution of High-Amplitude Whistler Mode Waves in the Outer Radiation Belt. <i>Geophysical Research Letters</i> , 2019, 46, 2328-2336.	1.5	33
100	Van Allen Probes observations of direct wave-particle interactions. <i>Geophysical Research Letters</i> , 2014, 41, 1869-1875.	1.5	32
101	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.	0.8	32
102	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.	1.5	31
103	Simultaneous disappearances of plasmaspheric hiss, exohiss, and chorus waves triggered by a sudden decrease in solar wind dynamic pressure. <i>Geophysical Research Letters</i> , 2017, 44, 52-61.	1.5	31
104	EMIC Waves Converted From Equatorial Noise Due to $M/Q = 2$ Ions in the Plasmasphere: Observations From Van Allen Probes and Arase. <i>Geophysical Research Letters</i> , 2019, 46, 5662-5669.	1.5	31
105	SAPS measurements around the magnetic equator by CRRES. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	30
106	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.	0.8	30
107	ULF Wave Driven Radial Diffusion During Geomagnetic Storms: A Statistical Analysis of Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029024.	0.8	30
108	FAST/Polar conjunction study of field-aligned auroral acceleration and corresponding magnetotail drivers. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	29

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109	THEMIS measurements of quasi-static electric fields in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 9939-9951.	0.8	29
110	Kinetic Alfvén waves and particle response associated with a shock-induced, global ULF perturbation of the terrestrial magnetosphere. Geophysical Research Letters, 2015, 42, 9203-9212.	1.5	29
111	Cluster observations of surface waves in the ion jets from magnetotail reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	28
112	Evolution of relativistic outer belt electrons during an extended quiescent period. Journal of Geophysical Research: Space Physics, 2014, 119, 9558-9566.	0.8	28
113	Low-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.	0.8	28
114	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. Geophysical Research Letters, 2016, 43, 4799-4807.	1.5	27
115	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. Geophysical Research Letters, 2018, 45, 2168-2176.	1.5	27
116	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. Geophysical Research Letters, 2016, 43, 978-987.	1.5	26
117	Excitation of nightside magnetosonic waves observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2014, 119, 9125-9133.	0.8	25
118	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.	0.8	25
119	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. Journal of Geophysical Research: Space Physics, 2017, 122, 368-392.	0.8	25
120	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. Geophysical Research Letters, 2017, 44, 12,057.	1.5	25
121	Modeling gradual diffusion changes in radiation belt electron phase space density for the March 2013 Van Allen Probes case study. Journal of Geophysical Research: Space Physics, 2014, 119, 8396-8403.	0.8	24
122	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. Journal of Geophysical Research: Space Physics, 2016, 121, 11,826.	0.8	24
123	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.	0.8	24
124	A multispacecraft event study of Pc5 ultralow-frequency waves in the magnetosphere and their external drivers. Journal of Geophysical Research: Space Physics, 2017, 122, 5132-5147.	0.8	24
125	Parker Solar Probe Evidence for Scattering of Electrons in the Young Solar Wind by Narrowband Whistler-mode Waves. Astrophysical Journal Letters, 2021, 911, L29.	3.0	24
126	A Census of Plasma Waves and Structures Associated With an Injection Front in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 2566-2587.	0.8	23

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127	Dispersive Alfvén Wave Control of O ⁺ Ion Outflow and Energy Densities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019, 46, 8597-8606.	1.5	23
128	Assessing the global Alfvén wave power flow into and out of the auroral acceleration region during geomagnetic storms. <i>Science Advances</i> , 2019, 5, eaav8411.	4.7	23
129	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088855.	1.5	23
130	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. , 2013, , 183-220.		23
131	Numerical modeling of Alfvén waves observed by the Polar spacecraft in the nightside plasma sheet boundary layer. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 9-1-SMP 9-8.	3.3	21
132	Response of convection electric fields in the magnetosphere to IMF orientation change. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	21
133	Pitch Angle Scattering and Loss of Radiation Belt Electrons in Broadband Electromagnetic Waves. <i>Geophysical Research Letters</i> , 2018, 45, 9344-9352.	1.5	21
134	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5334-5343.	0.8	21
135	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7954-7965.	0.8	21
136	First Direct Observations of Propagation of Discrete Chorus Elements From the Equatorial Source to Higher Latitudes, Using the Van Allen Probes and Arase Satellites. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028315.	0.8	21
137	Seasonal variations along auroral field lines: Measurements from the Polar spacecraft. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	20
138	Large-amplitude transmitter-associated and lightning-associated whistler waves in the Earth's inner plasmasphere at ~ 1.2 R_E ; 2. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	20
139	Van Allen Probes observations linking radiation belt electrons to chorus waves during 2014 multiple storms. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 938-948.	0.8	20
140	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6394-6423.	0.8	20
141	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. <i>Geophysical Research Letters</i> , 2018, 45, 8773-8782.	1.5	20
142	Electrodynamics of a substorm-related field line resonance observed by the Polar satellite in comparison with ground Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	19
143	Pc5 wave power in the quiet-time plasmasphere and trough: CRRES observations. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	19
144	Global Survey and Empirical Model of Fast Magnetosonic Waves Over Their Full Frequency Range in Earth's Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10270-10282.	0.8	19

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145	Eastward Propagating Second Harmonic Poloidal Waves Triggered by Temporary Outward Gradient of Proton Phase Space Density: Van Allen Probe A Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9904-9923.	0.8	19
146	Direct measurements of the Poynting flux associated with convection electric fields in the magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	18
147	A statistical study of whistler waves observed by Van Allen Probes (RBSP) and lightning detected by WWLLN. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2067-2079.	0.8	18
148	In situ evidence of the modification of the parallel propagation of EMIC waves by heated He ⁺ ions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6711-6717.	0.8	18
149	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017, 44, 8140-8148.	1.5	18
150	Excitation of O ⁺ Band EMIC Waves Through H ⁺ Ring Velocity Distributions: Van Allen Probe Observations. <i>Geophysical Research Letters</i> , 2018, 45, 1271-1276.	1.5	18
151	Correlations Between Dispersive Alfvén Wave Activity, Electron Energization, and Ion Outflow in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088985.	1.5	18
152	Postmidnight depletion of the high-energy tail of the quiet plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1646-1660.	0.8	17
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