

# J R Wygant

## List of Publications by Year in descending order

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226  
papers

12,428  
citations

22099

59  
h-index

30848

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g-index

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233  
docs citations

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times ranked

3430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relativistic Electron Enhancements Through Successive Dipolarizations During a CIR-Driven Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	11
2	Maximizing the Accuracy of Double Probe Electric Field Measurements Near Perigee: The Case of the Van Allen Probes Instruments. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
3	Quantifying the Sheath Impedance of the Electric Double Probe Instrument on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	10
4	Auroral Beads in Conjunction With Kinetic Alfvén Waves in the Equatorial Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
5	Collaborative Research Activities of the Arase and Van Allen Probes. <i>Space Science Reviews</i> , 2022, 218, .	3.7	10
6	From the Electromagnetic Power of Lightning on Earth to Lightning-Generated Whistlers in Space. , 2022, , .		0
7	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028484.	0.8	4
8	Modeling advective transport of radiation belt electrons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 214, 105509.	0.6	2
9	Investigation of Small-Scale Electron Density Irregularities Observed by the Arase and Van Allen Probes Satellites Inside and Outside the Plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA027917.	0.8	10
10	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-Storm-Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029081.	0.8	7
11	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
12	Parker Solar Probe Evidence for Scattering of Electrons in the Young Solar Wind by Narrowband Whistler-mode Waves. <i>Astrophysical Journal Letters</i> , 2021, 911, L29.	3.0	24
13	Evidence of Alfvénic Poynting Flux as the Primary Driver of Auroral Motion During a Geomagnetic Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029019.	0.8	6
14	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-Sky Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029078.	0.8	7
15	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029294.	0.8	0
16	Electromagnetic power of lightning superbolts from Earth to space. <i>Nature Communications</i> , 2021, 12, 3553.	5.8	9
17	Chorus and Hiss Scales in the Inner Magnetosphere: Statistics From High-Resolution Filter Bank (FBK) Van Allen Probes Multi-Point Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028998.	0.8	9
18	Propagation and Dispersion of Lightning-Generated Whistlers Measured From the Van Allen Probes. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	2

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19	Detection of Hertz Frequency Multiharmonic Field Line Resonances at Low $L$ ( $L \approx 1.1$ ) During Van Allen Probe Perigee Passes. <i>Geophysical Research Letters</i> , 2021, 48, 2020GL090632.	1.5	2
20	Testing the Organization of Lower-Band Whistler-Mode Chorus Wave Properties by Plasma-pause Location. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028458.	0.8	5
21	Multiharmonic Toroidal Standing Alfvén Waves in the Midnight Sector Observed During a Geomagnetically Quiet Period. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027370.	0.8	10
22	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
23	Energetics and Alfvénic Coupling of a Poleward Boundary Intensification: A Polar Case Study. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028041.	0.8	0
24	Calculation of the Atomic Oxygen Fluence on the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027944.	0.8	1
25	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
26	Relation Between Shock-Related Impulse and Subsequent ULF Wave in the Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090027.	1.5	12
27	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
28	Analysis of Electric and Magnetic Lightning-Generated Wave Amplitudes Measured by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087503.	1.5	11
29	Filamentary Currents and Alfvénic Vortices in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086318.	1.5	8
30	Determining Plasmaspheric Density From the Upper Hybrid Resonance and From the Spacecraft Potential: How Do They Compare?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, no.	0.8	10
31	Temporal Evolution of Substorm-Driven Global Alfvén Wave Power Above the Auroral Acceleration Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027444.	0.8	5
32	How whistler mode hiss waves and the plasmasphere drive the quiet decay of radiation belts electrons following a geomagnetic storm. <i>Journal of Physics: Conference Series</i> , 2020, 1623, 012005.	0.3	8
33	Simulation of Prompt Acceleration of Radiation Belt Electrons During the 16 July 2017 Storm. <i>Geophysical Research Letters</i> , 2019, 46, 7222-7229.	1.5	13
34	Transport and Loss of Ring Current Electrons Inside Geosynchronous Orbit During the 17 March 2013 Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 915-933.	0.8	11
35	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
36	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

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37	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
38	Statistical Distribution of Whistler Mode Waves in the Radiation Belts With Large Magnetic Field Amplitudes and Comparison to Large Electric Field Amplitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6541-6552.	0.8	11
39	Efficacy of Electric Field Models in Reproducing Observed Ring Current Ion Spectra During Two Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8974-8991.	0.8	6
40	Temperature Dependence of Plasmaspheric Ion Composition. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6585-6595.	0.8	16
41	Global Alfvén Wave Power in the Auroral Zone in Relation to the AE Index. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8637-8646.	0.8	5
42	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
43	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
44	Solar Rotation Period Driven Modulations of Plasmaspheric Density and Convective Electric Field in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1726-1737.	0.8	6
45	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
46	Multi-Instrument Observations of Mesoscale Enhancement of Subauroral Polarization Stream Associated With an Injection. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1770-1784.	0.8	11
47	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
48	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
49	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
50	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019, 576, 237-242.	13.7	401
51	Low-Energy ( $< 10 \text{ keV}$ ) $\text{O}^{+}$ 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
52	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , 2018, 45, 2168-2176.	1.5	27
53	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
54	Radiation Belt "Dropouts" and Drift-Bounce Resonances in Broadband Electromagnetic Waves. <i>Geophysical Research Letters</i> , 2018, 45, 2128-2137.	1.5	14

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55	Characteristics of Sudden Commencements Observed by Van Allen Probes in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1295-1304.	0.8	3
56	Van Allen Probes observation of plasmaspheric hiss modulated by injected energetic electrons. <i>Annales Geophysicae</i> , 2018, 36, 781-791.	0.6	7
57	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9453-9475.	0.8	8
58	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
59	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
60	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
61	Response of Banded Whistler Mode Waves to the Enhancement of Solar Wind Dynamic Pressure in the Inner Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2018, 45, 8755-8763.	1.5	10
62	Variation in Plasmaspheric Hiss Wave Power With Plasma Density. <i>Geophysical Research Letters</i> , 2018, 45, 9417-9426.	1.5	39
63	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
64	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
65	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
66	A Census of Plasma Waves and Structures Associated With an Injection Front in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2566-2587.	0.8	23
67	Observations of Impulsive Electric Fields Induced by Interplanetary Shock. <i>Geophysical Research Letters</i> , 2018, 45, 7287-7296.	1.5	16
68	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
69	Response of Different Ion Species to Local Magnetic Dipolarization Inside Geosynchronous Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5420-5434.	0.8	13
70	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
71	Rapid Enhancements of the Seed Populations in the Heart of the Earth's Outer Radiation Belt: A Multicase Study. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4895-4907.	0.8	15
72	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1871-1882.	0.8	12

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73	“Zipper-like” periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1600-1610.	0.8	12
74	In situ statistical observations of Pc1 pearl pulsations and unstructured EMIC waves by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 105-119.	0.8	25
75	Van Allen Probes observations of structured whistler mode activity and coincident electron Landau acceleration inside a remnant plasmaspheric plume. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3073-3086.	0.8	17
76	Location of intense electromagnetic ion cyclotron (EMIC) wave events relative to the plasmopause: Van Allen Probes observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4064-4088.	0.8	45
77	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
78	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
79	An improved sheath impedance model for the Van Allen Probes EFW instrument: Effects of the spin axis antenna. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4420-4429.	0.8	24
80	A multispacecraft event study of Pc5 ultralow-frequency waves in the magnetosphere and their external drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5132-5147.	0.8	24
81	Van Allen Probes observation of a 360° phase shift in the flux modulation of injected electrons by ULF waves. <i>Geophysical Research Letters</i> , 2017, 44, 1614-1624.	1.5	15
82	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 368-392.	0.8	25
83	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
84	Low-Energy (<200 eV) Electron Acceleration by ULF Waves in the Plasmaspheric Boundary Layer: Van Allen Probes Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9969-9982.	0.8	28
85	SC-Associated Electric Field Variations in the Magnetosphere and Ionospheric Convective Flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,044.	0.8	2
86	Dayside response of the magnetosphere to a small shock compression: Van Allen Probes, Magnetospheric MultiScale, and GOES-13. <i>Geophysical Research Letters</i> , 2017, 44, 8712-8720.	1.5	15
87	Statistical properties of low-frequency plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8340-8352.	0.8	55
88	Radial transport of radiation belt electrons in kinetic field-line resonances. <i>Geophysical Research Letters</i> , 2017, 44, 8140-8148.	1.5	18
89	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. <i>Geophysical Research Letters</i> , 2017, 44, 12,057.	1.5	25
90	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

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91	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. <i>Solar Physics</i> , 2017, 292, 1.	1.0	7
92	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
93	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 1â€“2 May 2014. <i>Annales Geophysicae</i> , 2016, 34, 985-998.	0.6	15
94	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. <i>Geophysical Research Letters</i> , 2016, 43, 978-987.	1.5	26
95	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.	0.8	55
96	EMIC wave spatial and coherence scales as determined from multipoint Van Allen Probe measurements. <i>Geophysical Research Letters</i> , 2016, 43, 4799-4807.	1.5	27
97	Van Allen Probes observations of crossâ€“scale coupling between electromagnetic ion cyclotron waves and higherâ€“frequency wave modes. <i>Geophysical Research Letters</i> , 2016, 43, 11,510.	1.5	7
98	Evolution of chorus emissions into plasmaspheric hiss observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4518-4529.	0.8	16
99	Partitioning of integrated energy fluxes in four tail reconnection events observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,798.	0.8	7
100	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
101	Prompt enhancement of the Earth's outer radiation belt due to substorm electron injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,826.	0.8	24
102	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
103	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
104	Local time variations of highâ€“energy plasmaspheric ion pitch angle distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6234-6244.	0.8	11
105	Rapid enhancement of lowâ€“energy (<100â€“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
106	The distribution of plasmaspheric hiss wave power with respect to plasmopause location. <i>Geophysical Research Letters</i> , 2016, 43, 7878-7886.	1.5	78
107	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
108	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

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109	O <sup>+</sup> ion conic and plasma sheet dynamics observed by Van Allen Probe satellites during the 1 June 2013 magnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4072-4091.	0.8	5
110	In situ evidence of the modification of the parallel propagation of EMIC waves by heated He <sup>+</sup> ions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6711-6717.	0.8	18
111	The source of O <sup>+</sup> in the storm time ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5333-5349.	0.8	63
112	Nonstorm time dropout of radiation belt electron fluxes on 24 September 2013. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6400-6416.	0.8	49
113	Hiss or equatorial noise? Ambiguities in analyzing suprathermal ion plasma wave resonance. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9619-9631.	0.8	3
114	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
115	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.	0.8	63
116	The FIELDS Instrument Suite for Solar Probe Plus. <i>Space Science Reviews</i> , 2016, 204, 49-82.	3.7	521
117	Spacecraft surface charging within geosynchronous orbit observed by the Van Allen Probes. <i>Space Weather</i> , 2016, 14, 151-164.	1.3	47
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.	1.5	38
119	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
120	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
121	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
122	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.	1.5	62
123	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
124	Simultaneous Pi2 observations by the Van Allen Probes inside and outside the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4567-4575.	0.8	15
125	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
126	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



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127	Statistical characteristics of EMIC waves: Van Allen Probe observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4400-4408.	0.8	72
128	Correlated Pc4â€“5 ULF waves, whistlerâ€“mode chorus, and pulsating aurora observed by the Van Allen Probes and groundâ€“based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8749-8761.	0.8	50
129	Ultra-low-frequency wave-driven diffusion of radiation belt relativistic electrons. <i>Nature Communications</i> , 2015, 6, 10096.	5.8	71
130	Broadband lowâ€“frequency electromagnetic waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8603-8615.	0.8	56
131	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
132	Kinetic AlfvÃ©n waves and particle response associated with a shockâ€“induced, global ULF perturbation of the terrestrial magnetosphere. <i>Geophysical Research Letters</i> , 2015, 42, 9203-9212.	1.5	29
133	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
134	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
135	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. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4531-4543.	0.8	39
136	The enhancement of cosmic radio noise absorption due to hissâ€“driven energetic electron precipitation during substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5393-5407.	0.8	16
137	Disappearance of plasmaspheric hiss following interplanetary shock. <i>Geophysical Research Letters</i> , 2015, 42, 3129-3140.	1.5	34
138	Van Allen Probe observations of drift-bounce resonances with Pc 4 pulsations and waveâ€“particle interactions in the pre-midnight inner magnetosphere. <i>Annales Geophysicae</i> , 2015, 33, 955-964.	0.6	15
139	Magnetohydrodynamic modeling of three Van Allen Probes storms in 2012 and 2013. <i>Annales Geophysicae</i> , 2015, 33, 1037-1050.	0.6	15
140	Modeling subauroral polarization streams during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1738-1750.	0.8	52
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