

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,471
citations

22
h-index

34
g-index

95
ext. papers

1,923
ext. citations

3.7
avg, IF

4.52
L-index

#	Paper	IF	Citations
76	Statistical properties of plasmaspheric hiss derived from Van Allen Probes data and their effects on radiation belt electron dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3393-3405	2.6	132
75	Formation of energetic electron butterfly distributions by magnetosonic waves via Landau resonance. <i>Geophysical Research Letters</i> , 2016 , 43, 3009-3016	4.9	73
74	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015 , 42, 987-995	4.9	63
73	Fast dropouts of multi-MeV electrons due to combined effects of EMIC and whistler mode waves. <i>Geophysical Research Letters</i> , 2016 , 43, 4155-4163	4.9	63
72	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1938-1952	2.6	53
71	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5520-5536	2.6	52
70	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.6	44
69	VLF waves from ground-based transmitters observed by the Van Allen Probes: Statistical model and effects on plasmaspheric electrons. <i>Geophysical Research Letters</i> , 2017 , 44, 6483-6491	4.9	43
68	The relationship between the macroscopic state of electrons and the properties of chorus waves observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2016 , 43, 7804-7812	4.9	40
67	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,737	2.6	39
66	Simulation of energy-dependent electron diffusion processes in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4217-4231	2.6	34
65	The effect of different solar wind parameters upon significant relativistic electron flux dropouts in the magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4324-4337	2.6	33
64	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2466-2483	2.6	31
63	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6478-6493	2.6	31
62	Ultrarelativistic electron butterfly distributions created by parallel acceleration due to magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3212-3222	2.6	31
61	Scaling laws for the inner structure of the radiation belts. <i>Geophysical Research Letters</i> , 2017 , 44, 3009-3018	4.9	30
60	A neural network model of three-dimensional dynamic electron density in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9183-9197	2.6	30

59	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1035-1051	2.6	26
58	Strong enhancement of 10–100 keV electron fluxes by combined effects of chorus waves and time domain structures. <i>Geophysical Research Letters</i> , 2016 , 43, 4683-4690	4.9	26
57	Excitation of dayside chorus waves due to magnetic field line compression in response to interplanetary shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8327-8338	2.6	25
56	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 6258-6267	4.9	24
55	The Relationship Between EMIC Wave Properties and Proton Distributions Based on Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 4070-4078	4.9	23
54	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,263-10,274	2.6	22
53	Erosion and refilling of the plasmasphere during a geomagnetic storm modeled by a neural network. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 7118-7129	2.6	22
52	The Characteristic Pitch Angle Distributions of 1–600 keV Protons Near the Equator Based On Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9464-9473	2.6	21
51	The Characteristic Response of Whistler Mode Waves to Interplanetary Shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,047	2.6	21
50	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019 , 46, 12665-12674	4.9	21
49	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. <i>Geophysical Research Letters</i> , 2019 , 46, 3615-3624	4.9	20
48	Nonlinear Interactions Between Radiation Belt Electrons and Chorus Waves: Dependence on Wave Amplitude Modulation. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085987	4.9	20
47	Rapid enhancement of low-energy (. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6430-6443	2.6	20
46	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018 , 45, 6755-6765	4.9	20
45	Oxygen Ion Dynamics in the Earth's Ring Current: Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7786-7798	2.6	19
44	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6394-6423	2.6	16
43	Transitional behavior of different energy protons based on Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2017 , 44, 625-633	4.9	14
42	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8300-8316	2.6	14

41	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. <i>Nature Communications</i> , 2020 , 11, 4847	17.4	14
40	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12711-12721	4.9	14
39	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	4.9	13
38	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088798	4.9	13
37	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. <i>Geophysical Research Letters</i> , 2017 , 44, 10,162-10,170	4.9	12
36	Statistical Analysis of Transverse Size of Lower Band Chorus Waves Using Simultaneous Multisatellite Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 5725-5734	4.9	12
35	The Modulation of Plasma and Waves by Background Electron Density Irregularities in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088855	4.9	12
34	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	2.6	11
33	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,235	2.6	11
32	Properties of Lightning Generated Whistlers Based on Van Allen Probes Observations and Their Global Effects on Radiation Belt Electron Loss. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089584	4.9	11
31	Global Propagation of Magnetospheric Pc5 ULF Waves Driven by Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028411	2.6	10
30	Unraveling the Formation Mechanism for the Bursts of Electron Butterfly Distributions: Test Particle and Quasilinear Simulations. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090749	4.9	10
29	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12675-12684	4.9	10
28	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1871-1882	2.6	9
27	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088198	4.9	9
26	Theoretical model of the nonlinear resonant interaction of whistler-mode waves and field-aligned electrons. <i>Physics of Plasmas</i> , 2021 , 28, 052902	2.1	8
25	Characteristics and Generation of Low-Frequency Magnetosonic Waves Below the Proton Gyrofrequency. <i>Geophysical Research Letters</i> , 2019 , 46, 11652-11660	4.9	8
24	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	2.6	8

23	Modeling radiation belt dynamics using a 3-D layer method code. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8642-8658	2.6	7
22	Electron butterfly distributions at particular magnetic latitudes observed during Juno's perijove pass. <i>Geophysical Research Letters</i> , 2017 , 44, 4489-4496	4.9	6
21	Global Survey of Electron Precipitation due to Hiss Waves in the Earth's Plasmasphere and Plumes. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029644	2.6	6
20	Azimuthal Variation of Magnetopause Reconnection at Scales Below an Earth Radius. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086500	4.9	5
19	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027957	2.6	4
18	Characteristics of Rising Tone Whistler Mode Waves Inside the Earth's Plasmasphere, Plasmaspheric Plumes, and Plasmatrogh. <i>Geophysical Research Letters</i> , 2019 , 46, 7121-7130	4.9	4
17	Modeling the Electron Flux Enhancement and Butterfly Pitch Angle Distributions on L Shells. <i>Geophysical Research Letters</i> , 2019 , 46, 10967-10976	4.9	4
16	Relativistic Electron Model in the Outer Radiation Belt Using a Neural Network Approach. <i>Space Weather</i> , 2021 , 19, e2021SW002808	3.7	4
15	Energetic Electron Scattering due to Whistler Mode Chorus Waves Using Realistic Magnetic Field and Density Models in Jupiter's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027968	2.6	4
14	Driving of Outer Belt Electron Loss by Solar Wind Dynamic Pressure Structures: Analysis of Balloon and Satellite Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028097	2.6	4
13	Dependence of Relativistic Electron Precipitation in the Ionosphere on EMIC Wave Minimum Resonant Energy at the Conjugate Equator. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029193	2.6	4
12	Models of Resonant Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029216	2.6	4
11	Statistical Distribution of Bifurcation of Earth's Inner Energetic Electron Belt at Tens of keV. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091242	4.9	4
10	Searching for low-altitude magnetic field anomalies by using observations of the energetic particle loss cone on JUNO. <i>Geophysical Research Letters</i> , 2017 , 44, 4472-4480	4.9	2
9	Analysis of plasmaspheric hiss wave amplitudes inferred from low-altitude POES electron data: Technique sensitivity analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3552-3563	2.6	2
8	A Statistical Study of Lower Hybrid Waves in the Earth's Magnetosphere by Van Allen Probes. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093168	4.9	2
7	Highly Oblique Lower-Band Chorus Statistics: Dependencies of Wave Power on Refractive Index and Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4767-4784	2.6	2
6	Periodic Rising and Falling Tone ECH Waves From Van Allen Probes Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091330	4.9	1

5	Attenuation of plasmaspheric hiss associated with the enhanced magnetospheric electric field. <i>Annales Geophysicae</i> , 2021 , 39, 461-470	2	1
4	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095457	4.9	1
3	Energetic Electron Distributions Near the Magnetic Equator in the Jovian Plasma Sheet and Outer Radiation Belt Using Juno Observations. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	1
2	Frequency-Dependent Responses of Plasmaspheric Hiss to the Impact of an Interplanetary Shock. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094810	4.9	0
1	Radiation Belt Electron Acceleration Driven by Very-Low-Frequency Transmitter Waves in Near-Earth Space. <i>Geophysical Research Letters</i> ,	4.9	0