Wen Li

List of Publications by Year in Descending Order

76 papers	1,116 citations	19 h-index	28 g-index
89 ext. papers	1,550 ext. citations	3.8 avg, IF	4.79 L-index

#	Paper	IF	Citations
76	The Angular Distribution of Lower Band Chorus Waves Near Plasmaspheric Plumes. *Geophysical Research Letters*, **2022**, 49,	4.9	2
75	Statistical Investigation of the Frequency Dependence of the Chorus Source Mechanism of Plasmaspheric Hiss. *Geophysical Research Letters*, **2021**, 48, e2021GL092725	4.9	9
74	Energetic Electron Precipitation Observed by FIREBIRD-II Potentially Driven by EMIC Waves: Location, Extent, and Energy Range From a Multievent Analysis. *Geophysical Research Letters*, **2021**, 48, e2020GL091564	4.9	7
73	Periodic Rising and Falling Tone ECH Waves From Van Allen Probes Observations. *Geophysical Research Letters*, **2021**, 48, e2020GL091330	4.9	1
72	Direct Observational Evidence of the Simultaneous Excitation of Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves by an Anisotropic Proton Ring Distribution. *Geophysical Research Letters*, **2021**, 48, e2020GL091850	4.9	4
71	In Situ Observations of Whistler-Mode Chorus Waves Guided by Density Ducts. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028814	2.6	10
70	Theoretical model of the nonlinear resonant interaction of whistler-mode waves and field-aligned electrons. *Physics of Plasmas*, **2021**, 28, 052902	2.1	8
69	Dependence of Relativistic Electron Precipitation in the Ionosphere on EMIC Wave Minimum Resonant Energy at the Conjugate Equator. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029193	2.6	4
68	Attenuation of plasmaspheric hiss associated with the enhanced magnetospheric electric field. *Annales Geophysicae*, **2021**, 39, 461-470	2	1
67	Models of Resonant Wave-Particle Interactions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029216	2.6	4
66	Statistical Distribution of Bifurcation of Earth's Inner Energetic Electron Belt at Tens of keV. *Geophysical Research Letters*, **2021**, 48, e2020GL091242	4.9	4
65	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028484	2.6	2
64	Global Survey of Electron Precipitation due to Hiss Waves in the Earth Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029644	2.6	6
63	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. *Geophysical Research Letters*, **2021**, 48, e2021GL095457	4.9	1
62	Statistical Characteristics in the Spectrum of Whistler Waves Near the Diffusion Region of Dayside Magnetopause Reconnection. *Geophysical Research Letters*, **2021**, 48,	4.9	5
61	Energetic Electron Distributions Near the Magnetic Equator in the Jovian Plasma Sheet and Outer Radiation Belt Using Juno Observations. *Geophysical Research Letters*, **2021**, 48,	4.9	1
60	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088198	4.9	9

59	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027957	2.6	4
58	Comparison of Long-Term Lightning Activity and Inner Radiation Belt Electron Flux Perturbations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027763	2.6	0
57	Nonlinear Interactions Between Radiation Belt Electrons and Chorus Waves: Dependence on Wave Amplitude Modulation. *Geophysical Research Letters*, **2020**, 47, e2019GL085987	4.9	20
56	Statistical Study of Chorus Modulations by Background Magnetic Field and Plasma Density. *Geophysical Research Letters*, **2020**, 47, e2020GL089344	4.9	3
55	Global Model of Whistler Mode Chorus in the Near-Equatorial Region (|$\bar{B}$|. *Geophysical Research Letters*, **2020**, 47, e2020GL087311	4.9	18
54	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. *Nature Communications*, **2020**, 11, 4847	17.4	14
53	Global Survey of Plasma Sheet Electron Precipitation due to Whistler Mode Chorus Waves in Earth's Magnetosphere. *Geophysical Research Letters*, **2020**, 47, e2020GL088798	4.9	13
52	Energetic Electron Scattering due to Whistler Mode Chorus Waves Using Realistic Magnetic Field and Density Models in Jupiter's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027968	2.6	4
51	Unraveling the Formation Mechanism for the Bursts of Electron Butterfly Distributions: Test Particle and Quasilinear Simulations. *Geophysical Research Letters*, **2020**, 47, e2020GL090749	4.9	10
50	Properties of Lightning Generated Whistlers Based on Van Allen Probes Observations and Their Global Effects on Radiation Belt Electron Loss. *Geophysical Research Letters*, **2020**, 47, e2020GL089584	4.9	11
49	Driving of Outer Belt Electron Loss by Solar Wind Dynamic Pressure Structures: Analysis of Balloon and Satellite Data. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028097	2.6	4
48	Properties of Whistler Mode Waves in Earth's Plasmasphere and Plumes. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1035-1051	2.6	26
47	Ion Heating by Electromagnetic Ion Cyclotron Waves and Magnetosonic Waves in the Earth's Inner Magnetosphere. *Geophysical Research Letters*, **2019**, 46, 6258-6267	4.9	24
46	Whistler Waves Driven by Field-Aligned Streaming Electrons in the Near-Earth Magnetotail Reconnection. *Geophysical Research Letters*, **2019**, 46, 5045-5054	4.9	11
45	Evolution of Radiation Belt Electron Pitch Angle Distribution Due to Combined Scattering by Plasmaspheric Hiss and Magnetosonic Waves. *Geophysical Research Letters*, **2019**, 46, 3033-3042	4.9	22
44	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. *Geophysical Research Letters*, **2019**, 46, 3615-3624	4.9	20
43	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2466-2483	2.6	31
42	Characteristics of Rising Tone Whistler Mode Waves Inside the Earth's Plasmasphere, Plasmaspheric Plumes, and Plasmatrough. *Geophysical Research Letters*, **2019**, 46, 7121-7130	4.9	4

41	Statistical Analysis of Transverse Size of Lower Band Chorus Waves Using Simultaneous Multisatellite Observations. *Geophysical Research Letters*, **2019**, 46, 5725-5734	4.9	12
40	Quantitative Assessment of Radiation Belt Modeling. *Journal of Geophysical Research: Space Physics* , **2019**, 124, 898-904	2.6	8
39	Typical Characteristics of Whistler Mode Waves Categorized by Their Spectral Properties Using Van Allen Probes Observations. *Geophysical Research Letters*, **2019**, 46, 3607-3614	4.9	14
38	Statistical Results of the Power Gap Between Lower-Band and Upper-Band Chorus Waves. *Geophysical Research Letters*, **2019**, 46, 4098-4105	4.9	17
37	Highly Relativistic Electron Flux Enhancement During the Weak Geomagnetic Storm of April–May 2017. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4402-4413	2.6	15
36	On the Statistics of Acceleration and Loss of Relativistic Electrons in the Outer Radiation Belt: A Superposed Epoch Analysis. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 2755	2.6	14
35	Modeling the Electron Flux Enhancement and Butterfly Pitch Angle Distributions on L Shells . *Geophysical Research Letters*, **2019**, 46, 10967-10976	4.9	4
34	Oxygen Ion Dynamics in the Earth's Ring Current: Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7786-7798	2.6	19
33	Characteristics and Generation of Low-Frequency Magnetosonic Waves Below the Proton Gyrofrequency. *Geophysical Research Letters*, **2019**, 46, 11652-11660	4.9	8
32	Earth's Van Allen Radiation Belts: From Discovery to the Van Allen Probes Era. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8319-8351	2.6	58
31	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. *Geophysical Research Letters*, **2019**, 46, 12711-12721	4.9	14
30	Parallel Acceleration of Suprathermal Electrons Caused by Whistler-Mode Hiss Waves. *Geophysical Research Letters*, **2019**, 46, 12675-12684	4.9	10
29	Quantitative Evaluation of Radial Diffusion and Local Acceleration Processes During GEM Challenge Events. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1938-1952	2.6	53
28	An Energetic Electron Flux Dropout Due to Magnetopause Shadowing on 1 June 2013. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1178-1190	2.6	11
27	Comment on Pulsating Auroras Produced by Interactions of Electrons and Time Domain Structures by Mozer Et Al.. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2064-2070	2.6	11
26	The Composition of Plasma inside Geostationary Orbit Based on Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6478-6493	2.6	31
25	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. *Geophysical Research Letters*, **2018**, 45, 6755-6765	4.9	20
24	Realistic Worst Case for a Severe Space Weather Event Driven by a Fast Solar Wind Stream. *Space Weather*, **2018**, 16, 1202-1215	3.7	14

23	Highly Oblique Lower-Band Chorus Statistics: Dependencies of Wave Power on Refractive Index and Geomagnetic Activity. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4767-4784	2.6	2
22	Global Model of Plasmaspheric Hiss From Multiple Satellite Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4526-4541	2.6	49
21	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6394-6423	2.6	16
20	Local Excitation of Whistler Mode Waves and Associated Langmuir Waves at Dayside Reconnection Regions. *Geophysical Research Letters*, **2018**, 45, 8793-8802	4.9	14
19	Coherently modulated whistler mode waves simultaneously observed over unexpectedly large spatial scales. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1871-1882	2.6	9
18	Zipper-like periodic magnetosonic waves: Van Allen Probes, THEMIS, and magnetospheric multiscale observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1600-1610	2.6	11
17	On the parameter dependence of the whistler anisotropy instability. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2001-2009	2.6	27
16	Searching for low-altitude magnetic field anomalies by using observations of the energetic particle loss cone on JUNO. *Geophysical Research Letters*, **2017**, 44, 4472-4480	4.9	2
15	Electron butterfly distributions at particular magnetic latitudes observed during Juno's perijove pass. *Geophysical Research Letters*, **2017**, 44, 4489-4496	4.9	6
14	Scaling laws for the inner structure of the radiation belts. *Geophysical Research Letters*, **2017**, 44, 3009-3018	4.9	30
13	Understanding the Origin of Jupiter's Diffuse Aurora Using Juno's First Perijove Observations. *Geophysical Research Letters*, **2017**, 44, 10,162-10,170	4.9	12
12	Diffusive Transport of Several Hundred keV Electrons in the Earth's Slot Region. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,235	2.6	11
11	Systematic Evaluation of Low-Frequency Hiss and Energetic Electron Injections. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,263-10,274	2.6	22
10	A neural network model of three-dimensional dynamic electron density in the inner magnetosphere. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9183-9197	2.6	30
9	Erosion and refilling of the plasmasphere during a geomagnetic storm modeled by a neural network. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7118-7129	2.6	22
8	Modeling radiation belt dynamics using a 3-D layer method code. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8642-8658	2.6	7
7	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. *Geophysical Research Letters*, **2017**, 44, 12,057	4.9	13
6	Chorus Wave Modulation of Langmuir Waves in the Radiation Belts. *Geophysical Research Letters*, **2017**, 44, 11,713-11,721	4.9	15

5	The Radiation Belt Electron Scattering by Magnetosonic Wave: Dependence on Key Parameters. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 12,338	2.6	17
4	VLF waves from ground-based transmitters observed by the Van Allen Probes: Statistical model and effects on plasmaspheric electrons. *Geophysical Research Letters*, **2017**, 44, 6483-6491	4.9	43
3	Characteristic energy range of electron scattering due to plasmaspheric hiss. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,737	2.6	39
2	Statistical distribution of EMIC wave spectra: Observations from Van Allen Probes. *Geophysical Research Letters*, **2016**, 43, 12,348	4.9	40
1	Poynting vector and wave vector directions of equatorial chorus. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,912-11,928	2.6	15