

Xiao-Chen Shen

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.

50
papers

581
citations

15
h-index

20
g-index

54
ext. papers

801
ext. citations

3.9
avg, IF

3.78
L-index

#	Paper	IF	Citations
50	Statistical study of the storm time radiation belt evolution during Van Allen Probes era: CME-versus CIR-driven storms. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8327-8339	2.6	35
49	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 2. 2-D Evolution Based on Dayside Auroral Imaging. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6347-6359	2.6	32
48	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
47	Dayside Magnetospheric and Ionospheric Responses to a Foreshock Transient on 25 June 2008: 1. FLR Observed by Satellite and Ground-Based Magnetometers. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6335-6346	2.6	29
46	Origin of two-band chorus in the radiation belt of Earth. <i>Nature Communications</i> , 2019 , 10, 4672	17.4	29
45	Propagation of small size magnetic holes in the magnetospheric plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5510-5519	2.6	26
44	Magnetospheric Multiscale Observations of Electron Scale Magnetic Peak. <i>Geophysical Research Letters</i> , 2018 , 45, 527-537	4.9	25
43	Magnetospheric ULF waves with increasing amplitude related to solar wind dynamic pressure changes: The Time History of Events and Macroscale Interactions during Substorms (THEMIS) observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7179-7190	2.6	22
42	Simulated Prompt Acceleration of Multi-MeV Electrons by the 17 March 2015 Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,036-10,046	2.6	20
41	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
40	Global Model of Whistler Mode Chorus in the Near-Equatorial Region ($\bar{\Omega}$). <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087311	4.9	18
39	Investigating Loss of Relativistic Electrons Associated With EMIC Waves at Low L Values on 22 June 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4022-4036	2.6	17
38	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,212-12,228	2.6	17
37	The 2-D Structure of Foreshock-Driven Field Line Resonances Observed by THEMIS Satellite and Ground-Based Imager Conjunctions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6792-6811	2.6	16
36	MESSENGER observations of Alfvénic and compressional waves during Mercury's substorms. <i>Geophysical Research Letters</i> , 2015 , 42, 6189-6198	4.9	16
35	Plasma and Magnetic-Field Characteristics of Magnetic Decreases in the Solar Wind at 1 AU: Cluster-C1 Observations. <i>Solar Physics</i> , 2014 , 289, 3175-3195	2.6	14
34	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. <i>Nature Communications</i> , 2020 , 11, 4847	17.4	14

33	Direct Observation of Subrelativistic Electron Precipitation Potentially Driven by EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 12711-12721	4.9	14
32	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
31	Magnetospheric vortices and their global effect after a solar wind dynamic pressure decrease. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1071-1077	2.6	13
30	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
29	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
28	Observations of Kelvin-Helmholtz Waves in the Earth's Magnetotail Near the Lunar Orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3836-3847	2.6	10
27	Dayside magnetospheric and ionospheric responses to solar wind pressure increase: Multispacecraft and ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,813-10,830	2.6	10
26	Generation and Characteristics of Unusual High Frequency EMIC Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 14230-14238	4.9	10
25	Dayside magnetospheric ULF wave frequency modulated by a solar wind dynamic pressure negative impulse. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1658-1669	2.6	9
24	Global Distribution of Whistler Mode Waves in Jovian Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088198	4.9	9
23	Statistical Investigation of the Frequency Dependence of the Chorus Source Mechanism of Plasmaspheric Hiss. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092725	4.9	9
22	Characteristics and Generation of Low-Frequency Magnetosonic Waves Below the Proton Gyrofrequency. <i>Geophysical Research Letters</i> , 2019 , 46, 11652-11660	4.9	8
21	Solar wind plasma entry observed by cluster in the high-latitude magnetospheric lobes. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4135-4144	2.6	7
20	Investigation of Solar Proton Access Into the Inner Magnetosphere on 11 September 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3402-3409	2.6	6
19	Statistical Dependence of EMIC Wave Scattering on Wave and Plasma Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027772	2.6	6
18	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
17	Signature splitting, shape evolution, and nearly degenerate bands in 108Ag. <i>Physical Review C</i> , 2013 , 88,	2.7	5
16	Pc4-5 Poloidal ULF Wave Observed in the Dawnside Plasmaspheric Plume. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9986-9998	2.6	5

15	Propagation properties of foreshock cavitons: Cluster observations. <i>Science China Technological Sciences</i> , 2020 , 63, 173-182	3.5	5
14	Statistical study of ULF waves in the magnetotail by THEMIS observations. <i>Annales Geophysicae</i> , 2018 , 36, 1335-1346	2	5
13	Magnetosphere Response to Solar Wind Dynamic Pressure Change. <i>Geophysical Monograph Series</i> , 2020 , 77-97	1.1	4
12	Characteristics of Rising Tone Whistler Mode Waves Inside the Earth's Plasmasphere, Plasmaspheric Plumes, and Plasmatrugh. <i>Geophysical Research Letters</i> , 2019 , 46, 7121-7130	4.9	4
11	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
10	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
9	Small-Scale Aurora Associated With Magnetospheric Flow Vortices After a Solar Wind Dynamic Pressure Decrease. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3303-3311	2.6	2
8	Determining the Temporal and Spatial Coherence of Plasmaspheric Hiss Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028635	2.6	2
7	Multipoint Observations of Quasiperiodic Emission Intensification and Effects on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028484	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	Quantification of Diffuse Auroral Electron Precipitation Driven by Whistler Mode Waves at Jupiter. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095457	4.9	1
4	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
3	Determining the Global Scale Size of Chorus Waves in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029569	2.6	0
2	Electron Pitch Angle Distributions in Compressional Pc5 Waves by THEMIS-A Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095730	4.9	0
1	Vortex Generation and Auroral Response to a Solar Wind Dynamic Pressure Increase: Event Analyses. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028753	2.6	0