

Si Liu

List of Publications by Year in descending order

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451
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated observations linking loss of energetic protons to EMIC waves. Science China Technological Sciences, 2022, 65, 131-138.	4.0	6
2	Asymmetric Distributions of Auroral Kilometric Radiation in Earth's Northern and Southern Hemispheres Observed by the Arase Satellite. Geophysical Research Letters, 2022, 49, .	4.0	4
3	Calibration of AC Vector Magnetometer Based on Ellipsoid Fitting. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	4.7	6
4	Correlated Observation on Global Distributions of Magnetosonic Waves and Proton Rings in the Radiation Belts. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	12
5	Full polarization states modulating via an ultra-thin quarter-wave plate. European Physical Journal D, 2021, 75, 1.	1.3	0
6	A Concise Empirical Formula for the Field-Aligned Distribution of Auroral Kilometric Radiation Based on Arase Satellite and Van Allen Probes. Geophysical Research Letters, 2021, 48, e2021GL092805.	4.0	6
7	Observation of Unusual Chorus Elements by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029258.	2.4	6
8	ULF-Modulation of Whistler-Mode Waves in the Inner Magnetosphere During Solar Wind Compression. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029353.	2.4	7
9	A Practicable Method for Calibrating a Magnetic Sensor Array. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-6.	4.7	5
10	The influence of various frequency chorus waves on electron dynamics in radiation belts. Science China Technological Sciences, 2021, 64, 890-897.	4.0	15
11	Three-Dimensional Analysis of Global Gravity Waves Based on COSMIC Multi-Satellite Observations. Geophysical Research Letters, 2021, 48, e2021GL094809.	4.0	0
12	Observation and Fully Thermal Simulation of Quasi-Electrostatic Magnetosonic Waves. Geophysical Research Letters, 2021, 48, e2021GL095757.	4.0	8
13	Upward propagation of lightning-generated whistler waves into the radiation belts. Science China Technological Sciences, 2020, 63, 243-248.	4.0	9
14	Generation of simultaneous H+ and He+ band EMIC waves in the nightside radiation belt. Science China Technological Sciences, 2020, 63, 2369-2374.	4.0	15
15	Dominant Roles of High Harmonics on Interactions Between AKR and Radiation Belt Relativistic Electrons. Geophysical Research Letters, 2020, 47, e2020GL088421.	4.0	10
16	Unusual Loss of Van Allen Belt Relativistic Electrons by Extremely Low-Frequency Chorus. Geophysical Research Letters, 2020, 47, e2020GL089994.	4.0	11
17	Chorus Acceleration of Relativistic Electrons in Extremely Low L-Shell During Geomagnetic Storm of August 2018. Geophysical Research Letters, 2020, 47, e2019GL086226.	4.0	11
18	Global Occurrences of Electrostatic Electron Cyclotron Harmonic Waves Associated With Radiation Belt Electron Distributions. Geophysical Research Letters, 2019, 46, 5028-5033.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Global Occurrences of Auroral Kilometric Radiation Related to Suprathermal Electrons in Radiation Belts. <i>Geophysical Research Letters</i> , 2019, 46, 7230-7236.	4.0	15
20	Magnetospheric Multiscale Observation of Quasiperiodic EMIC Waves Associated With Enhanced Solar Wind Pressure. <i>Geophysical Research Letters</i> , 2019, 46, 7096-7104.	4.0	20
21	Local Generation of High-Frequency Plasmaspheric Hiss Observed by Van Allen Probes. <i>Geophysical Research Letters</i> , 2019, 46, 1141-1148.	4.0	25
22	Excitation of Highly Oblique Lower Band and Upper Band Chorus by a Loss Cone Feature and Temperature Anisotropy Distribution. <i>Geophysical Research Letters</i> , 2019, 46, 1929-1936.	4.0	4
23	Quantifying Extremely Rapid Flux Enhancements of Radiation Belt Relativistic Electrons Associated With Radial Diffusion. <i>Geophysical Research Letters</i> , 2018, 45, 1262-1270.	4.0	11
24	Storm Time Evolution of Outer Radiation Belt Relativistic Electrons by a Nearly Continuous Distribution of Chorus. <i>Geophysical Research Letters</i> , 2018, 45, 2159-2167.	4.0	6
25	Examining Wave Vector and Minimum Cyclotron Resonant Electron Energy of EMIC Waves With Magnetospheric Multiscale Mission. <i>Geophysical Research Letters</i> , 2018, 45, 10,138.	4.0	10
26	Generation of Lower L Shell Dayside Chorus by Energetic Electrons From the Plasma Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8109-8121.	2.4	4
27	Butterfly distribution of Earth's radiation belt relativistic electrons induced by dayside chorus. <i>Science China Technological Sciences</i> , 2018, 61, 212-218.	4.0	20
28	Generation of extremely low frequency chorus in Van Allen radiation belts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3201-3211.	2.4	23
29	Generation of lower and upper bands of electrostatic electron cyclotron harmonic waves in the Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2017, 44, 5251-5258.	4.0	18
30	Explaining occurrences of auroral kilometric radiation in Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2016, 43, 11,971.	4.0	16
31	Evolution of chorus emissions into plasmaspheric hiss observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4518-4529.	2.4	16
32	Magnetospheric chorus wave instability induced by relativistic Kappa-type distributions. <i>Science China Technological Sciences</i> , 2016, 59, 1739-1745.	4.0	4
33	Van Allen Probes observation and modeling of chorus excitation and propagation during weak geomagnetic activities. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6371-6385.	2.4	6
34	Influence of wave normal angles on hiss-electron interaction in Earth's slot region. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 9385-9400.	2.4	15
35	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.	2.4	20
36	Penetration of magnetosonic waves into the plasmasphere observed by the Van Allen Probes. <i>Geophysical Research Letters</i> , 2015, 42, 7287-7294.	4.0	31

#	ARTICLE	IF	CITATIONS
37	Excitation of nightside magnetosonic waves observed by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2014, 119, 9125-9133.	2.4	25
38	Effect of chorus normal angle on dynamic evolution of radiation belt energetic electrons. Astrophysics and Space Science, 2014, 354, 401-408.	1.4	1
39	Radiation belt electron acceleration induced by gyroresonant interaction with magnetosonic waves. Astrophysics and Space Science, 2014, 353, 389-394.	1.4	4
40	A novel model for the detector coil inductance of ring-core fluxgate sensors. Sensors and Actuators A: Physical, 2013, 197, 62-68.	4.1	2
41	Maximum energy transfer conditions in parametric amplification of current-output fluxgate sensors. Sensors and Actuators A: Physical, 2012, 173, 136-140.	4.1	5