

Si Liu

List of Publications by Year in descending order

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papers

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623734

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41
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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Excitation of nightside magnetosonic waves observed by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9125-9133.	2.4	25
3	Local Generation of High-Frequency Plasmaspheric Hiss Observed by Van Allen Probes. <i>Geophysical Research Letters</i> , 2019, 46, 1141-1148.	4.0	25
4	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
5	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
6	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
7	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
8	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
9	Explaining occurrences of auroral kilometric radiation in Van Allen radiation belts. <i>Geophysical Research Letters</i> , 2016, 43, 11,971.	4.0	16
10	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
11	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
12	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
13	Generation of simultaneous H ⁺ and He ⁺ band EMIC waves in the nightside radiation belt. <i>Science China Technological Sciences</i> , 2020, 63, 2369-2374.	4.0	15
14	The influence of various frequency chorus waves on electron dynamics in radiation belts. <i>Science China Technological Sciences</i> , 2021, 64, 890-897.	4.0	15
15	Correlated Observation on Global Distributions of Magnetosonic Waves and Proton Rings in the Radiation Belts. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	12
16	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
17	Unusual Loss of Van Allen Belt Relativistic Electrons by Extremely Low-Frequency Chorus. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089994.	4.0	11
18	Chorus Acceleration of Relativistic Electrons in Extremely Low Shell During Geomagnetic Storm of August 2018. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086226.	4.0	11

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19	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
20	Dominant Roles of High Harmonics on Interactions Between AKR and Radiation Belt Relativistic Electrons. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088421.	4.0	10
21	Upward propagation of lightning-generated whistler waves into the radiation belts. <i>Science China Technological Sciences</i> , 2020, 63, 243-248.	4.0	9
22	Observation and Fully Thermal Simulation of Quasi-€Electrostatic Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095757.	4.0	8
23	ULF-Modulation of Whistler-Mode Waves in the Inner Magnetosphere During Solar Wind Compression. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029353.	2.4	7
24	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
25	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
26	Global Occurrences of Electrostatic Electron Cyclotron Harmonic Waves Associated With Radiation Belt Electron Distributions. <i>Geophysical Research Letters</i> , 2019, 46, 5028-5033.	4.0	6
27	Calibration of AC Vector Magnetometer Based on Ellipsoid Fitting. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-6.	4.7	6
28	A Concise Empirical Formula for the Field-Aligned Distribution of Auroral Kilometeric Radiation Based on Arase Satellite and Van Allen Probes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092805.	4.0	6
29	Observation of Unusual Chorus Elements by Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029258.	2.4	6
30	Correlated observations linking loss of energetic protons to EMIC waves. <i>Science China Technological Sciences</i> , 2022, 65, 131-138.	4.0	6
31	Maximum energy transfer conditions in parametric amplification of current-output fluxgate sensors. <i>Sensors and Actuators A: Physical</i> , 2012, 173, 136-140.	4.1	5
32	A Practicable Method for Calibrating a Magnetic Sensor Array. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-6.	4.7	5
33	Radiation belt electron acceleration induced by gyroresonant interaction with magnetosonic waves. <i>Astrophysics and Space Science</i> , 2014, 353, 389-394.	1.4	4
34	Magnetospheric chorus wave instability induced by relativistic Kappa-type distributions. <i>Science China Technological Sciences</i> , 2016, 59, 1739-1745.	4.0	4
35	Generation of Lower <i>L</i> 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
36	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

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37	Asymmetric Distributions of Auroral Kilometric Radiation in Earth's Northern and Southern Hemispheres Observed by the Arase Satellite. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
38	A novel model for the detector coil inductance of ring-core fluxgate sensors. <i>Sensors and Actuators A: Physical</i> , 2013, 197, 62-68.	4.1	2
39	Effect of chorus normal angle on dynamic evolution of radiation belt energetic electrons. <i>Astrophysics and Space Science</i> , 2014, 354, 401-408.	1.4	1
40	Full polarization states modulating via an ultra-thin quarter-wave plate. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	0
41	Three-dimensional Analysis of Global Gravity Waves Based on COSMIC Multi-satellite Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094809.	4.0	0