

Zhiyang Xia

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

384
citations

759233

12
h-index

839539

18
g-index

30
all docs

30
docs citations

30
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of chorus intensity by ULF waves deep in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2016, 43, 9444-9452.	4.0	36
2	Generation of magnetosonic waves over a continuous spectrum. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1137-1147.	2.4	33
3	Modeling of Bouncing Electron Microbursts Induced by Ducted Chorus Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089400.	4.0	33
4	Observed Propagation Route of VLF Transmitter Signals in the Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5528-5537.	2.4	27
5	Multiple Satellite Observation of Magnetic Dip Event During the Substorm on 10 October 2013. <i>Geophysical Research Letters</i> , 2017, 44, 9167-9175.	4.0	25
6	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
7	Relativistic electron's butterfly pitch angle distribution modulated by localized background magnetic field perturbation driven by hot ring current ions. <i>Geophysical Research Letters</i> , 2017, 44, 4393-4400.	4.0	19
8	One-Dimensional Full Wave Simulation of Equatorial Magnetosonic Wave Propagation in an Inhomogeneous Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 587-599.	2.4	19
9	Eigenmode analysis of compressional poloidal modes in a self-consistent magnetic field. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,369.	2.4	18
10	Electron Microbursts Induced by Nonducted Chorus Waves. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	2.8	16
11	Statistical Characteristics of Ionospheric Hiss Waves. <i>Geophysical Research Letters</i> , 2019, 46, 7147-7156.	4.0	13
12	Simultaneous Observations of ELF/VLF Rising-Tone Quasiperiodic Waves and Energetic Electron Precipitations in the High-Latitude Upper Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027574.	2.4	13
13	Direct Evidence Reveals Transmitter Signal Propagation in the Magnetosphere. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093987.	4.0	13
14	Statistical Study on Locally Generated High-Frequency Plasmaspheric Hiss and Its Effect on Suprathermal Electrons: Van Allen Probes Observation and Quasi-Linear Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028526.	2.4	12
15	The Relation Between Electron Cyclotron Harmonic Waves and Plasmopause: Case and Statistical Studies. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087365.	4.0	12
16	Spectral Broadening of NWC Transmitter Signals in the Ionosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088103.	4.0	11
17	Two-Dimensional Full-Wave Simulation of Whistler Mode Wave Propagation Near the Local Lower Hybrid Resonance Frequency in a Dipole Field. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027750.	2.4	11
18	Particle-in-Cell Simulation of Rising-Tone Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089671.	4.0	8

#	ARTICLE	IF	CITATIONS
19	The Effects of Localized Thermal Pressure on Equilibrium Magnetic Fields and Particle Drifts in The Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 5129-5142.	2.4	6
20	Alpha Transmitter Signal Reflection and Triggered Emissions. Geophysical Research Letters, 2020, 47, e2020GL090165.	4.0	6
21	Estimating the open magnetic flux from the interplanetary and ionospheric conditions. Journal of Geophysical Research: Space Physics, 2013, 118, 1899-1903.	2.4	5
22	Electron-Driven Magnetic Dip Embedded Within the Proton-Driven Magnetic Dip and the Related Echoes of Butterfly Distribution of Relativistic Electrons. Geophysical Research Letters, 2020, 47, e2020GL088983.	4.0	5
23	Frequency-Dependent Modulation of Whistler-Mode Waves by Density Irregularities During the Recovery Phase of a Geomagnetic Storm. Geophysical Research Letters, 2021, 48, e2021GL093095.	4.0	5
24	Statistical Study of Chorus Modulations by Background Magnetic Field and Plasma Density. Geophysical Research Letters, 2020, 47, e2020GL089344.	4.0	5
25	Statistical Study on Small-Scale ($\sim 1,000$ km) Density Irregularities in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	5
26	Two Dimensional Full-Wave Modeling of Propagation of Low-Altitude Hiss in the Ionosphere. Geophysical Research Letters, 2020, 47, e2019GL086601.	4.0	4
27	Ion Cyclotron Resonant Absorption Lines in ELF Hiss Power Spectral Density in the Low-Latitude Ionosphere. Geophysical Research Letters, 2020, 47, e2019GL086315.	4.0	4
28	Whistler Waves above the Lower Hybrid Frequency in the Ionosphere and their Counterparts in the Magnetosphere. Geophysical Research Letters, 0, , .	4.0	0