

Jicheng Sun

List of Publications by Year in descending order

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21
papers

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22
all docs

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docs citations

22
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Alfvén Waves Generated by Mode Coupling in the Magnetotail Lobe. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	6
2	A new excitation mechanism of He ⁺ band electromagnetic ion cyclotron wave: Hybrid simulation study. <i>Physics of Plasmas</i> , 2021, 28, 012903.	1.9	2
3	10.1063/5.0045546.1. , 2021, , .		0
4	An alternative form of the fundamental plasma emission through the coalescence of Z-mode waves with whistlers. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	11
5	Field-Aligned Currents Originating From the Chaotic Motion of Electrons in the Tilted Current Sheet: MMS Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL088841.	4.0	7
6	Modulation of Magnetosonic Waves by Background Plasma Density in a Dipole Magnetic Field: 2D PIC Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029729.	2.4	3
7	A Simulation of the Nuclear High-Altitude Electromagnetic Pulse (HEMP) Produced by the X-Ray in the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	2.4	2
8	Emission of Electrostatic Whistler Waves Associated With Weak Electron-Beam Excited Langmuir Waves: The 2D Particle-in-Cell Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027376.	2.4	2
9	Particle-in-Cell Simulation of Rising-Tone Magnetosonic Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089671.	4.0	8
10	Whistler Mode Waves Excited by Anisotropic Hot Electrons With a Drift Velocity in Earth's Magnetosphere: Linear Theory. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028149.	2.4	0
11	Wave Normal Angle Distribution of Magnetosonic Waves in the Earth's Magnetosphere: 2D PIC Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028012.	2.4	8
12	Dissipation and reformation of thermal fronts in solar flares. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	4
13	Expansion of Solar Coronal Hot Electrons in an Inhomogeneous Magnetic Field: 1D PIC Simulation. <i>Astrophysical Journal</i> , 2019, 887, 96.	4.5	6
14	Nonlinear Evolution of Counter-Propagating Whistler Mode Waves Excited by Anisotropic Electrons Within the Equatorial Source Region: 1D PIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1200-1207.	2.4	6
15	Two-Dimensional Particle-in-Cell Simulation of Magnetosonic Wave Excitation in a Dipole Magnetic Field. <i>Geophysical Research Letters</i> , 2018, 45, 8712-8720.	4.0	12
16	Generation of Lower Harmonic Magnetosonic Waves Through Nonlinear Wave-Wave Interactions. <i>Geophysical Research Letters</i> , 2018, 45, 8029-8034.	4.0	14
17	Spectral properties and associated plasma energization by magnetosonic waves in the Earth's magnetosphere: Particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5377-5390.	2.4	39
18	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. I. Linear theory. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	22

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19	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. II. Particle-in-cell simulations. Physics of Plasmas, 2016, 23, .	1.9	32
20	Generation of magnetosonic waves over a continuous spectrum. Journal of Geophysical Research: Space Physics, 2016, 121, 1137-1147.	2.4	33
21	The Efficiency of Ion Stochastic Heating by a Monochromatic Obliquely Propagating Low-Frequency Alfvén Wave. Plasma Science and Technology, 2014, 16, 919-923.	1.5	5