Jicheng Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4817796/publications.pdf

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21	222	1163117 8	996975 15
papers	citations	h-index	g-index

22	22	22	197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectral properties and associated plasma energization by magnetosonic waves in the Earth's magnetosphere: Particleâ€inâ€cell simulations. Journal of Geophysical Research: Space Physics, 2017, 122, 5377-5390.	2.4	39
2	Generation of magnetosonic waves over a continuous spectrum. Journal of Geophysical Research: Space Physics, 2016, 121, 1137-1147.	2.4	33
3	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
4	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. Physics of Plasmas, 2016, 23, .	1.9	22
5	Generation of Lower Harmonic Magnetosonic Waves Through Nonlinear Waveâ€Wave Interactions. Geophysical Research Letters, 2018, 45, 8029-8034.	4.0	14
6	Twoâ€Dimensional Particleâ€inâ€Cell Simulation of Magnetosonic Wave Excitation in a Dipole Magnetic Field. Geophysical Research Letters, 2018, 45, 8712-8720.	4.0	12
7	An alternative form of the fundamental plasma emission through the coalescence of Z-mode waves with whistlers. Physics of Plasmas, 2021, 28, .	1.9	11
8	Particleâ€inâ€Cell Simulation of Risingâ€Tone Magnetosonic Waves. Geophysical Research Letters, 2020, 47, e2020GL089671.	4.0	8
9	Wave Normal Angle Distribution of Magnetosonic Waves in the Earth's Magnetosphere: 2â€D <scp>PIC</scp> Simulation. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028012.	2.4	8
10	Fieldâ€Aligned Currents Originating From the Chaotic Motion of Electrons in the Tilted Current Sheet: MMS Observations. Geophysical Research Letters, 2021, 48, e2020GL088841.	4.0	7
11	Nonlinear Evolution of Counterâ€Propagating Whistler Mode Waves Excited by Anisotropic Electrons Within the Equatorial Source Region: 1â€D PIC Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 1200-1207.	2.4	6
12	Expansion of Solar Coronal Hot Electrons in an Inhomogeneous Magnetic Field: 1D PIC Simulation. Astrophysical Journal, 2019, 887, 96.	4.5	6
13	Evidence of AlfvÃ©n Waves Generated by Mode Coupling in the Magnetotail Lobe. Geophysical Research Letters, 2022, 49, .	4.0	6
14	The Efficiency of Ion Stochastic Heating by a Monochromatic Obliquely Propagating Low-Frequency Alfven Wave. Plasma Science and Technology, 2014, 16, 919-923.	1.5	5
15	Dissipation and reformation of thermal fronts in solar flares. Astrophysics and Space Science, 2019, 364, 1.	1.4	4
16	Modulation of Magnetosonic Waves by Background Plasma Density in a Dipole Magnetic Field: 2â€D PIC Simulation. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029729.	2.4	3
17	Emission of Electrostatic Whistler Waves Associated With Weak Electronâ€Beam Excited Langmuir Waves: The 2â€D Particleâ€inâ€Cell Simulations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027376.	2.4	2
18	A new excitation mechanism of H e + band electromagnetic ion cyclotron wave: Hybrid simulation study. Physics of Plasmas, 2021, 28, 012903.	1.9	2

#	Article	IF	Citations
19	A Simulation of the Nuclear Highâ€Altitude Electromagnetic Pulse (HEMP) Produced by the Xâ€Ray in the Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	2
20	Whistler Mode Waves Excited by Anisotropic Hot Electrons With a Drift Velocity in Earth's Magnetosphere: Linear Theory. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028149.	2.4	0
21	10.1063/5.0045546.1. , 2021, , .		0