Ying Liu

List of Publications by Year
in descending order

22	350	840776 11	794594 19
papers	citations	h-index	g-index

22	22	22	321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerangâ€shaped pitch angle evolutions. Geophysical Research Letters, 2017, 44, 7618-7627.	4.0	53
2	Globalâ€Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. Journal of Geophysical Research: Space Physics, 2019, 124, 1525-1538.	2.4	48
3	Charged particle behavior in localized ultralow frequency waves: Theory and observations. Geophysical Research Letters, 2017, 44, 5900-5908.	4.0	40
4	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. Geophysical Research Letters, 2018, 45, 8773-8782.	4.0	20
5	The Formation of Saturnâ€™s and Jupiterâ€™s Electron Radiation Belts by Magnetospheric Electric Fields. Astrophysical Journal Letters, 2020, 905, L10.	8.3	20
6	Structure and evolution of electron â€œzebra stripesâ€•in the inner radiation belt. Journal of Geophysical Research: Space Physics, 2016, 121, 4145-4157.	2.4	19
7	Energetic electron response to interplanetary shocks at geosynchronous orbit. Journal of Geophysical Research: Space Physics, 2015, 120, 4669-4683.	2.4	16
8	Radial propagation of magnetospheric substorm-injected energetic electrons observed using a BD-IES instrument and Van Allen Probes. Science China Earth Sciences, 2016, 59, 1508-1516.	5.2	16
9	Driftâ€Bounce Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027067.	2.4	16
10	Origin of Electron Boomerang Stripes: Localized ULF Waveâ€Particle Interactions. Geophysical Research Letters, 2020, 47, e2020GL087960.	4.0	13
11	Drift Resonance Between Particles and Compressional Toroidal ULF Waves in Dipole Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028842.	2.4	13
12	Simultaneous Observations of Localized and Global DriftÂResonance. Geophysical Research Letters, 2020, 47, e2020GL088019.	4.0	12
13	Electron dropout echoes induced by interplanetary shock: A statistical study. Journal of Geophysical Research: Space Physics, 2017, 122, 8037-8050.	2.4	11
14	Saturn's Inner Magnetospheric Convection in the View of Zebra Stripe Patterns in Energetic Electron Spectra. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029600.	2.4	10
15	Understanding Electron Dropout Echoes Induced by Interplanetary Shocks: Test Particle Simulations. Journal of Geophysical Research: Space Physics, 2019, 124, 6759-6775.	2.4	9
16	The Intense Substorm Incidence in Response to Interplanetary Shock Impacts and Influence on Energetic Electron Fluxes at Geosynchronous Orbit. Journal of Geophysical Research: Space Physics, 2019, 124, 3210-3221.	2.4	7
17	A Shortâ€lived Threeâ€Belt Structure for subâ€MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028031.	2.4	6
18	Origin of Electron Boomerang Stripes: Statistical Study. Geophysical Research Letters, 2021, 48, e2021GL093377.	4.0	6

#	Article	IF	Citations
19	Zebra Stripe Patterns in Energetic Ion Spectra at Saturn. Geophysical Research Letters, 2022, 49, .	4.0	5
20	Energetic Electron Enhancement and Dropout Echoes Induced by Solar Wind Dynamic Pressure Decrease: The Effect of Phase Space Density Profile. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028863.	2.4	4
21	Origin of Frequencyâ€Doubling and Shoulderâ€Like Magnetic Pulsations in ULF Waves. Geophysical Research Letters, 2021, 48, e2021GL096532.	4.0	4
22	MLTâ€Dependence of Sustained Spectral Gaps of Proton and Oxygen in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, .	2.4	2