Song Fu

List of Publications by Year
in descending order

49	1,075	393982	433756
papers	citations	19 h-index	31 g-index

49	49	49	608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial modification of Earthâ€™s radiation belts by ground-based very-low-frequency (VLF) transmitters. Science China Earth Sciences, 2022, 65, 391.	2.3	12
2	Global Distribution of Concurrent EMIC Waves and Magnetosonic Waves: A Survey of Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
3	Assessment of applicability of cold plasma dispersion relation of slot region hiss based on Van Allen Probes observations. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 051101.	0.2	0
4	Quasiâ€Trapped Electron Fluxes Induced by NWC Transmitter and CRAND: Observations and Simulations. Geophysical Research Letters, 2022, 49, .	1.5	8
5	Testing the Linearity of Combined Electron Scattering Effects Driven by Simultaneous H ⁺ and He ⁺ Band EMIC Waves. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	0
6	Global Distribution of Reversed Energy Spectra of Ring Current Protons Based on Van Allen Probes Observations. Geophysical Research Letters, 2021, 48, e2020GL091559.	1.5	3
7	Statistical Distribution of Bifurcation of Earth's Inner Energetic Electron Belt at Tens of keV. Geophysical Research Letters, 2021, 48, e2020GL091242.	1.5	8
8	Acceleration of Ring Current Protons Driven by Magnetosonic Waves: Comparisons of Test Particle Simulations with Quasilinear Calculations. Astrophysical Journal, 2021, 908, 203.	1.6	9
9	Diffuse Auroral Electron Scattering by Electrostatic Electron Cyclotron Harmonic Waves in the Dayside Magnetosphere. Geophysical Research Letters, 2021, 48, e2020GL092208.	1.5	14
10	Empirical Loss Timescales of Slot Region Electrons due to Plasmaspheric Hiss Based on Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029057.	0.8	10
11	Whistler Wings and Reflected Particles During Solar Wind Interaction of Lunar Magnetic Anomalies. Geophysical Research Letters, 2021, 48, e2021GL092425.	1.5	3
12	Prediction of Dynamic Plasmapause Location Using a Neural Network. Space Weather, 2021, 19, e2020SW002622.	1.3	12
13	Bounce Resonance Scattering of Radiation Belt Energetic Electrons by Extremely Lowâ€Frequency Chorus Waves. Geophysical Research Letters, 2021, 48, e2021GL095714.	1.5	6
14	Energy-dependent Boundaries of Earth's Radiation Belt Electron Slot Region. Astrophysical Journal, 2021, 922, 246.	1.6	2
15	Very-Low-Frequency transmitters bifurcate energetic electron belt in near-earth space. Nature Communications, 2020, 11, 4847.	5.8	35
16	Parametric Dependence of the Formation of Electron Butterfly Pitch Angle Distribution Driven by Magnetosonic Waves. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027967.	0.8	9
17	On the loss mechanisms of radiation belt electron dropouts during the 12 September 2014 geomagnetic storm. Earth and Planetary Physics, 2020, 4, 1-13.	0.4	20
18	Hot Plasma Effects on the Pitch-angle Scattering Rates of Radiation Belt Electrons Due to Plasmaspheric Hiss. Astrophysical Journal, 2020, 896, 118.	1.6	12

#	Article	IF	Citations
19	Dynamic Responses of Radiation Belt Electron Fluxes to Magnetic Storms and their Correlations with Magnetospheric Plasma Wave Activities. Astrophysical Journal, 2020, 891, 127.	1.6	14
20	Distinct Formation and Evolution Characteristics of Outer Radiation Belt Electron Butterfly Pitch Angle Distributions Observed by Van Allen Probes. Geophysical Research Letters, 2020, 47, e2019GL086487.	1.5	15
21	Combined Scattering of Radiation Belt Electrons by Lowâ€Frequency Hiss: Cyclotron, Landau, and Bounce Resonances. Geophysical Research Letters, 2020, 47, e2020GL086963.	1.5	20
22	Effects of Superthermal Plasmas on the Linear Growth of Multiband EMIC Waves. Astrophysical Journal, 2020, 899, 43.	1.6	7
23	Statistical Properties of Hiss in Plasmaspheric Plumes and Associated Scattering Losses of Radiation Belt Electrons. Geophysical Research Letters, 2019, 46, 5670-5680.	1.5	32
24	Combined Scattering of Radiation Belt Electrons Caused by Landau and Bounce Resonant Interactions With Magnetosonic Waves. Geophysical Research Letters, 2019, 46, 10313-10321.	1.5	26
25	Wave Normal Angle Distribution of Fast Magnetosonic Waves: A Survey of Van Allen Probes EMFISIS Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 5663-5674.	0.8	16
26	Trapped and Accelerated Electrons Within a Magnetic Mirror Behind a Flux Rope on the Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 3993-4008.	0.8	8
27	Evolution of Radiation Belt Electron Pitch Angle Distribution Due to Combined Scattering by Plasmaspheric Hiss and Magnetosonic Waves. Geophysical Research Letters, 2019, 46, 3033-3042.	1.5	31
28	Parametric Sensitivity of the Formation of Reversed Electron Energy Spectrum Caused by Plasmaspheric Hiss. Geophysical Research Letters, 2019, 46, 4134-4143.	1.5	41
29	Interactions between H+ band EMIC waves and radiation belt relativistic electrons: Comparisons of test particle simulations with quasi-linear calculations. Physics of Plasmas, 2019, 26, .	0.7	12
30	Sensitivity of EMIC Waveâ€Driven Scattering Loss of Ring Current Protons to Wave Normal Angle Distribution. Geophysical Research Letters, 2019, 46, 590-598.	1.5	28
31	Inter-satellite calibration of FengYun 3 medium energy electron fluxes with POES electron measurements. Advances in Space Research, 2018, 61, 2290-2300.	1.2	4
32	Hot Plasma Effects on the Cyclotronâ€Resonant Pitchâ€Angle Scattering Rates of Radiation Belt Electrons Due to EMIC Waves. Geophysical Research Letters, 2018, 45, 21-30.	1.5	66
33	Resonant Scattering of Radiation Belt Electrons by Offâ€Equatorial Magnetosonic Waves. Geophysical Research Letters, 2018, 45, 1228-1236.	1.5	31
34	Occurrence features of simultaneous H+- and He+-band EMIC emissions in the outer radiation belt. Advances in Space Research, 2018, 61, 2091-2098.	1.2	11
35	Electron Scattering by Plasmaspheric Hiss in a Nightside Plume. Geophysical Research Letters, 2018, 45, 4618-4627.	1.5	29
36	Statistical Distributions of Dayside ECH Waves Observed by MMS. Geophysical Research Letters, 2018, 45, 12,730.	1.5	16

#	Article	IF	Citations
37	Resonant Scattering of Nearâ€Equatorially Mirroring Electrons by Landau Resonance With H⁺ Band EMIC Waves. Geophysical Research Letters, 2018, 45, 10,866.	1.5	20
38	Combined Scattering of Outer Radiation Belt Electrons by Simultaneously Occurring Chorus, Exohiss, and Magnetosonic Waves. Geophysical Research Letters, 2018, 45, 10,057.	1.5	20
39	Bounce resonance scattering of ring current electrons by H+band EMIC waves. Physics of Plasmas, 2018, 25, 082903.	0.7	6
40	Bounce resonance scattering of radiation belt electrons by H⁺ band EMIC waves. Journal of Geophysical Research: Space Physics, 2017, 122, 1702-1713.	0.8	44
41	Ultralow Frequency Waves Deep Inside the Inner Magnetosphere Driven by Dipolarizing Flux Bundles. Journal of Geophysical Research: Space Physics, 2017, 122, 10,112.	0.8	16
42	Competition between outer zone electron scattering by plasmaspheric hiss and magnetosonic waves. Geophysical Research Letters, 2017, 44, 3465-3474.	1.5	66
43	A statistical survey of electrostatic electron cyclotron harmonic waves based on THEMIS FFF wave data. Journal of Geophysical Research: Space Physics, 2017, 122, 3342-3353.	0.8	29
44	Bounce Resonance Scattering of Radiation Belt Electrons by Lowâ€Frequency Hiss: Comparison With Cyclotron and Landau Resonances. Geophysical Research Letters, 2017, 44, 9547-9554.	1.5	28
45	Interactions between magnetosonic waves and ring current protons: Gyroaveraged test particle simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 8537-8553.	0.8	19
46	Resonant scattering of central plasma sheet protons by multiband EMIC waves and resultant proton loss timescales. Journal of Geophysical Research: Space Physics, 2016, 121, 1219-1232.	0.8	44
47	Excitation of dayside chorus waves due to magnetic field line compression in response to interplanetary shocks. Journal of Geophysical Research: Space Physics, 2015, 120, 8327-8338.	0.8	32
48	Resonant scattering of outer zone relativistic electrons by multiband EMIC waves and resultant electron loss time scales. Journal of Geophysical Research: Space Physics, 2015, 120, 7357-7373.	0.8	172
49	Ion dynamics associated with substorm dipolarization fronts. Science China Earth Sciences, 2014, 57, 2543-2551.	2.3	3