Jiang Yu

List of Publications by Year in descending order

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30	521	623734	677142
papers	citations	14 h-index	22 g-index

30	30	30	377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic plasmapause model based on THEMIS measurements. Journal of Geophysical Research: Space Physics, 2015, 120, 10,543.	2.4	50
2	Roles of whistler mode waves and magnetosonic waves in changing the outer radiation belt and the slot region. Journal of Geophysical Research: Space Physics, 2017, 122, 5431-5448.	2.4	47
3	Multiple loss processes of relativistic electrons outside the heart of outer radiation belt during a storm sudden commencement. Journal of Geophysical Research: Space Physics, 2015, 120, 10,275.	2.4	44
4	Propagation characteristics of plasmaspheric hiss: Van Allen Probe observations and global empirical models. Journal of Geophysical Research: Space Physics, 2017, 122, 4156-4167.	2.4	43
5	Polytropic index of central plasma sheet ions based on MHD Bernoulli integral. Journal of Geophysical Research: Space Physics, 2015, 120, 4736-4747.	2.4	28
6	Compression-amplified EMIC waves and their effects on relativistic electrons. Physics of Plasmas, 2016, 23, .	1.9	24
7	Effect of Lowâ€Harmonic Magnetosonic Waves on the Radiation Belt Electrons Inside the Plasmasphere. Journal of Geophysical Research: Space Physics, 2019, 124, 3390-3401.	2.4	23
8	Rapid loss of the plasma sheet energetic electrons associated with the growth of whistler mode waves inside the bursty bulk flows. Journal of Geophysical Research: Space Physics, 2013, 118, 7200-7210.	2.4	22
9	The influences of solar wind pressure and interplanetary magnetic field on global magnetic field and outer radiation belt electrons. Geophysical Research Letters, 2016, 43, 7319-7327.	4.0	20
10	The Rapid Responses of Magnetosonic Waves to the Compression and Expansion of Earth's Magnetosphere. Geophysical Research Letters, 2017, 44, 11,239.	4.0	18
11	Combined Effects of Equatorial Chorus Waves and Highâ€Latitude Zâ€Mode Waves on Saturn's Radiation Belt Electrons. Geophysical Research Letters, 2019, 46, 8624-8632.	4.0	18
12	Revisit the Analytical Approximation of Transitâ€Time Scattering for Fast Magnetosonic Waves. Geophysical Research Letters, 2020, 47, e2020GL088434.	4.0	18
13	Structure-based design, synthesis, and evaluation of inhibitors with high selectivity for PARP-1 over PARP-2. European Journal of Medicinal Chemistry, 2022, 227, 113898.	5.5	17
14	Electron Diffusion by Coexisting Plasmaspheric Hiss and Chorus Waves: Multisatellite Observations and Simulations. Geophysical Research Letters, 2020, 47, e2020GL088753.	4.0	15
15	Effect of Hot He⁺ Ions on the Electron Pitch Angle Scattering Driven by H⁺, He⁺, and O⁺ Band EMIC Waves. Geophysical Research Letters, 2019, 46, 6306-6314.	4.0	14
16	Statistical Relationship Between Exohiss Waves and Plasmaspheric Hiss. Geophysical Research Letters, 2020, 47, e2020GL087023.	4.0	13
17	Case study of small scale polytropic index in the central plasma sheet. Science China Earth Sciences, 2015, 58, 1993-2001.	5.2	12
18	Statistical Study on Locally Generated Highâ€Frequency Plasmaspheric Hiss and Its Effect on Suprathermal Electrons: Van Allen Probes Observation and Quasiâ€linear Simulation. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028526.	2.4	12

#	Article	IF	Citations
19	Effects of ULF waves on local and global energetic particles: Particle energy and species dependences. Journal of Geophysical Research: Space Physics, 2016, 121, 11,007.	2.4	11
20	The Effect of Hot Protons on Magnetosonic Waves Inside and Outside the Plasmapause: New Observations and Theoretic Results. Journal of Geophysical Research: Space Physics, 2018, 123, 653-664.	2.4	11
21	Ultrawideband Risingâ€Tone Chorus Waves Observed Inside the Oscillating Plasmapause. Journal of Geophysical Research: Space Physics, 2018, 123, 6670-6678.	2.4	11
22	Effects of Solar Wind Plasma Flow and Interplanetary Magnetic Field on the Spatial Structure of Earth's Radiation Belts. Journal of Geophysical Research: Space Physics, 2019, 124, 10332-10344.	2.4	11
23	Nonlinear Interactions Between Relativistic Electrons and EMIC Waves in Magnetospheric Warm Plasma Environments. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028089.	2.4	8
24	Ring current proton scattering by low-frequency magnetosonic waves. Earth and Planetary Physics, 2019, 3, 365-372.	1.1	8
25	Competitive Influences of Different Plasma Waves on the Pitch Angle Distribution of Energetic Electrons Inside and Outside Plasmasphere. Geophysical Research Letters, 2022, 49, .	4.0	6
26	Precipitation Loss of Radiation Belt Electrons by Twoâ€Band Plasmaspheric Hiss Waves. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028157.	2.4	5
27	Complementary and Catalytic Roles of Manâ€Made VLF Waves and Natural Plasma Waves in the Loss of Radiation Belt Electrons. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028879.	2.4	5
28	A Comparative Study on the Distributions of Incoherent and Coherent Plasmaspheric Hiss. Geophysical Research Letters, 2021, 48, e2021GL092902.	4.0	4
29	Statistical Properties of Whistlerâ€Mode Hiss Waves in the Inner Radiation Belt. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
30	Simultaneous evolutions of inner magnetospheric plasmaspheric hiss and EMIC waves under the influence of a heliospheric plasma sheet. Geophysical Research Letters, 0, , .	4.0	1