Dedong Wang

List of Publications by Year
in descending order

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34	711	516681 16	552766 26
papers	citations	h-index	g-index

37	37	37	554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Controlling Geomagnetic and Solar Wind Factors for Magnetospheric Chorus Intensity Using Feature Selection Techniques. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	5
2	Depletions of Multiâ€MeV Electrons and Their Association to Minima in Phase Space Density. Geophysical Research Letters, 2022, 49, .	4.0	10
3	A New Population of Ultraâ€Relativistic Electrons in the Outer Radiation Zone. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	13
4	An Empirical Model of the Equatorial Electron Pitch Angle Distributions in Earth's Outer Radiation Belt. Space Weather, 2022, 20, .	3.7	3
5	Observations of Whistler-mode Waves and Large-amplitude Electrostatic Waves Associated with a Dipolarization Front in the Bursty Bulk Flow. Astrophysical Journal, 2022, 933, 105.	4.5	1
6	Gyroresonant wave-particle interactions with chorus waves during extreme depletions of plasma density in the Van Allen radiation belts. Science Advances, 2021, 7, .	10.3	40
7	Electromagnetic Characteristics of Fast Magnetosonic Waves in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029759.	2.4	8
8	Modulation of Whistler Mode Waves by Ultraâ€Low Frequency Wave in a Macroscale Magnetic Hole: MMS Observations. Geophysical Research Letters, 2021, 48, e2021GL096056.	4.0	6
9	Statistical Characteristics of Electron Pitch Angle Distributions Inside the Magnetopasue Based on MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028291.	2.4	4
10	Analytical Fast Magnetosonic Wave Model Based on Observations of Van Allen Probe. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028527.	2.4	4
11	Quantifying the Effect of Plasmaspheric Hiss on the Electron Loss From the Slot Region. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027555.	2.4	6
12	The Effect of Plasma Boundaries on the Dynamic Evolution of Relativistic Radiation Belt Electrons. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027422.	2.4	24
13	Background Parameter Effects on Linearâ€"Nonlinear Chorus Wave Growth in the Planetary Magnetosphere. Astrophysical Journal, 2020, 904, 105.	4.5	8
14	Transport and Loss of Ring Current Electrons Inside Geosynchronous Orbit During the 17 March 2013 Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 915-933.	2.4	11
15	Simulations of the inner magnetospheric energetic electrons using the IMPTAM-VERB coupled model. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 191, 105050.	1.6	6
16	On How Highâ€Latitude Chorus Waves Tip the Balance Between Acceleration and Loss of Relativistic Electrons. Geophysical Research Letters, 2019, 46, 7945-7954.	4.0	37
17	Analytical Chorus Wave Model Derived from Van Allen Probe Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 1063-1084.	2.4	40
18	Precipitation of Radiation Belt Electrons by EMIC Waves With Conjugated Observations of NOAA and Van Allen Satellites. Geophysical Research Letters, 2018, 45, 12,694.	4.0	31

#	Article	IF	Citations
19	Response of Banded Whistler Mode Waves to the Enhancement of Solar Wind Dynamic Pressure in the Inner Earth's Magnetosphere. Geophysical Research Letters, 2018, 45, 8755-8763.	4.0	10
20	Excitation of O + Band EMIC Waves Through H + Ring Velocity Distributions: Van Allen Probe Observations. Geophysical Research Letters, 2018, 45, 1271-1276.	4.0	18
21	Signatures of Ultrarelativistic Electron Loss in the Heart of the Outer Radiation Belt Measured by Van Allen Probes. Journal of Geophysical Research: Space Physics, 2017, 122, 10,102.	2.4	30
22	In situ observations of magnetosonic waves modulated by background plasma density. Geophysical Research Letters, 2017, 44, 7628-7633.	4.0	42
23	EMIC waves covering wide L shells: MMS and Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2017, 122, 7387-7395.	2.4	15
24	Oxygen cyclotron harmonic waves observed using Van Allen Probes. Science China Earth Sciences, 2017, 60, 1310-1316.	5.2	14
25	Geomagnetic storms and EMIC waves: Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2016, 121, 6444-6457.	2.4	24
26	Excitation of oblique O⁺ band EMIC waves in the inner magnetosphere driven by hot H⁺ with ring velocity distributions. Journal of Geophysical Research: Space Physics, 2016, 121, 11,101.	2.4	29
27	In situ evidence of the modification of the parallel propagation of EMIC waves by heated He⁺ ions. Journal of Geophysical Research: Space Physics, 2016, 121, 6711-6717.	2.4	18
28	Statistical characteristics of EMIC waves: Van Allen Probe observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4400-4408.	2.4	72
29	In situ observations of EMIC waves in O⁺ band by the Van Allen Probe A. Geophysical Research Letters, 2015, 42, 1312-1317.	4.0	52
30	Compression-related EMIC waves drive relativistic electron precipitation. Science China Technological Sciences, 2014, 57, 2418-2425.	4.0	15
31	Statistical characteristics of EMIC waveâ€driven relativistic electron precipitation with observations of POES satellites: Revisit. Journal of Geophysical Research: Space Physics, 2014, 119, 5509-5519.	2.4	29
32	Simultaneous observations of precipitating radiation belt electrons and ring current ions associated with the plasmaspheric plume. Journal of Geophysical Research: Space Physics, 2013, 118, 4391-4399.	2.4	43
33	Characteristics of precipitating energetic ions/electrons associated with the waveâ€particle interaction in the plasmaspheric plume. Journal of Geophysical Research, 2012, 117, .	3.3	38
34	Which Parameter Controls Ring Current Electron Dynamics. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	3