Pingbing Zuo

List of Publications by Year
in descending order

40	431	759233 12	794594 19
papers	citations	h-index	g-index

40	40	40	424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A fundamental mechanism of solar eruption initiation. Nature Astronomy, 2021, 5, 1126-1138.	10.1	79
2	Magnetohydrodynamic Simulation of the X9.3 Flare on 2017 September 6: Evolving Magnetic Topology. Astrophysical Journal, 2018, 869, 13.	4.5	44
3	Modulation of Galactic Cosmic Rays from Helium to Nickel in the Inner Heliosphere. Astrophysical Journal, 2019, 887, 132.	4.5	29
4	A Two-step Magnetic Reconnection in a Confined X-class Flare in Solar Active Region 12673. Astrophysical Journal, 2019, 870, 97.	4.5	28
5	Continuous Null-point Magnetic Reconnection Builds Up a Torus Unstable Magnetic Flux Rope Triggering the X9.3 Flare in Solar ARÂ12673. Astrophysical Journal, 2020, 890, 10.	4.5	21
6	Reconstruction of a Large-scale Pre-flare Coronal Current Sheet Associated with a Homologous X-shaped Flare. Astrophysical Journal, 2017, 850, 8.	4.5	16
7	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.	2.4	16
8	A Statistical Study of Solar Filament Eruptions that Form High-speed Coronal Mass Ejections. Astrophysical Journal, 2019, 884, 157.	4.5	16
9	Data-driven MHD Simulation of the Formation and Initiation of a Large-scale Preflare Magnetic Flux Rope in AR 12371. Astrophysical Journal, 2020, 892, 9.	4.5	15
10	AUTOMATIC DETECTION ALGORITHM OF DYNAMIC PRESSURE PULSES IN THE SOLAR WIND. Astrophysical Journal, 2015, 803, 94.	4.5	14
11	A STATISTICAL SURVEY OF DYNAMIC PRESSURE PULSES IN THE SOLAR WIND BASED ONWINDOBSERVATIONS. Astrophysical Journal, 2015, 808, 83.	4.5	14
12	EVIDENCE FOR NEWLY INITIATED RECONNECTION IN THE SOLAR WIND AT 1 AU. Astrophysical Journal, 2015, 809, 5.	4.5	13
13	A Study of Variations of Galactic Cosmic-Ray Intensity Based on a Hybrid Data-processing Method. Astrophysical Journal, 2020, 900, 143.	4.5	11
14	Observation of Interplanetary Slow Shock Pair Associated with Reconnection Exhaust in Magnetic Cloud Boundary Layer. Astrophysical Journal, 2018, 863, 84.	4.5	10
15	Evidence of Nonlinear Interactions Between Magnetospheric Electron Cyclotron Harmonic Waves. Geophysical Research Letters, 2020, 47, e2020GL088452.	4.0	8
16	Numerical Modeling of Latitudinal Gradients for Galactic Cosmic-Ray Protons during Solar Minima: Comparing with Ulysses Observations. Astrophysical Journal, Supplement Series, 2021, 256, 18.	7.7	8
17	Intermittencies and Local Heating in Magnetic Cloud Boundary Layers. Solar Physics, 2019, 294, 1.	2.5	7
18	Simulation of the Interplanetary B_z Using a Data-driven Heliospheric Solar Wind Model. Astrophysical Journal, 2020, 900, 76.	4.5	7

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19	The Energetic Particle Environment of the Lunar Nearside: SEP Influence. Astrophysical Journal, 2017, 849, 151.	4.5	6
20	Two-step Dropouts of Radiation Belt Electron Phase Space Density Induced by a Magnetic Cloud Event. Astrophysical Journal Letters, 2020, 895, L24.	8.3	6
21	Lag-correlated rising tones of electron cyclotron harmonic and whistler-mode upper-band chorus waves. Physics of Plasmas, 2020, 27, .	1.9	6
22	Homologous Coronal Mass Ejections Caused by Recurring Formation and Disruption of Current Sheet within a Sheared Magnetic Arcade. Astrophysical Journal Letters, 2022, 925, L7.	8.3	6
23	STRONG SOLAR WIND DYNAMIC PRESSURE PULSES: INTERPLANETARY SOURCES AND THEIR IMPACTS ON GEOSYNCHRONOUS MAGNETIC FIELDS. Astrophysical Journal, 2015, 812, 152.	4.5	5
24	ARTEMIS Observations of Well-structured Lunar Wake in Subsonic Plasma Flow. Astrophysical Journal, 2019, 881, 76.	4.5	5
25	Low-frequency hiss-like whistler-mode waves generated by nonlinear three-wave interactions outside the plasmasphere. Physics of Plasmas, 2019, 26, 122901.	1.9	5
26	Solar Modulation of Galactic Cosmic-Ray Protons Based on a Modified Force-field Approach. Astrophysical Journal, 2021, 921, 109.	4.5	5
27	The Dependence of the Venusian Induced Magnetosphere on the Interplanetary Magnetic Field: An MHD Study. Astrophysical Journal, 2022, 931, 95.	4.5	5
28	Observations of current sheets associated with solar wind reconnection exhausts passing through the near lunar wake. Journal of Geophysical Research: Space Physics, 2015, 120, 9246-9255.	2.4	4
29	Abnormal magnetospheric magnetic gradient direction reverse around the indented magnetopause. Astrophysics and Space Science, 2019, 364, 1.	1.4	4
30	Anomalously high rate refilling in the near lunar wake caused by the Earth's bow shock. Journal of Geophysical Research: Space Physics, 2017, 122, 9102-9114.	2.4	3
31	Intermittent Heating in the Magnetic Cloud Sheath Regions. Astrophysical Journal Letters, 2019, 885, L13.	8.3	3
32	An artificial neural network model of electron fluxes in the Earthâ€™s central plasma sheet: a THEMIS survey. Astrophysics and Space Science, 2020, 365, 1.	1.4	3
33	Evidence of waveâ€“wave coupling between frequency harmonic bands of magnetosonic waves. Physics of Plasmas, 2021, 28, .	1.9	3
34	Evidence for Plasma Heating at Thin Current Sheets in the Solar Wind. Astrophysical Journal Letters, 2022, 924, L22.	8.3	2
35	The Energetic Particle Environment of the Lunar Nearside: Influence of the Energetic Ions from Earthâ€™s Bow Shock. Astrophysical Journal, 2018, 863, 80.	4.5	1
36	Dynamics of the Transversal Magnetic Fields in Photospheric Quiet Regions. Astrophysical Journal, 2022, 928, 107.	4.5	1

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37	PSP Observations of a Slow Shock Pair Bounding a Largeâ€Scale Plasmoid/Macro Magnetic Hole. Geophysical Research Letters, 2022, 49, .	4.0	1
38	Investigations of Sizes and Dynamical Motions of Solar Photospheric Granules by a Novel Granular Segmenting Algorithm. Astrophysical Journal, 2021, 923, 133.	4.5	1
39	The Relationship Between Solar Wind Dynamic Pressure Pulses and Solar Wind Turbulence. Frontiers in Physics, 2021, 9, .	2.1	0
40	Overshoot Structure Near the Earthâ€™s Subsolar Magnetopause Generated by Magnetopause Motions. Frontiers in Physics, 2022, 10, .	2.1	0