

# Congzhan Liu

## List of Publications by Year in descending order

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18  
papers

628  
citations

840776

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h-index

940533

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all docs

18  
docs citations

18  
times ranked

794  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview to the Hard X-ray Modulation Telescope (Insight-HXMT) Satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	178
2	The High Energy X-ray telescope (HE) onboard the Insight-HXMT astronomy satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	110
3	In-flight calibration of the Insight-Hard X-ray Modulation Telescope. Journal of High Energy Astrophysics, 2020, 27, 64-76.	6.7	59
4	Insight-HXMT observations of the first binary neutron star merger GW170817. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	52
5	Insight-HXMT observations of jet-like corona in a black hole X-ray binary MAXI J1820+070. Nature Communications, 2021, 12, 1025.	12.8	48
6	GRID: a student project to monitor the transient gamma-ray sky in the multi-messenger astronomy era. Experimental Astronomy, 2019, 48, 77-95.	3.7	38
7	Introduction to a calibration facility for hard X-ray detectors. Experimental Astronomy, 2014, 38, 433-441.	3.7	25
8	The insight-HXMT mission and its recent progresses. , 2018, , .		22
9	Ground-based calibration and characterization of the HE detectors for Insight-HXMT. Journal of High Energy Astrophysics, 2019, 24, 6-14.	6.7	16
10	Quasi-periodic Oscillations of the X-Ray Burst from the Magnetar SGR J1935â€“2154 and Associated with the Fast Radio Burst FRB 200428. Astrophysical Journal, 2022, 931, 56.	4.5	15
11	A gain control and stabilization technique for Silicon Photomultipliers in low-light-level applications around room temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 222-225.	1.6	14
12	Characterization of radiation damage caused by 23MeV protons in Multi-Pixel Photon Counter (MPPC). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 822, 63-70.	1.6	11
13	In-orbit Timing Calibration of the Insight-Hard X-Ray Modulation Telescope. Astrophysical Journal, Supplement Series, 2022, 259, 14.	7.7	10
14	A novel analog power supply for gain control of the Multi-Pixel Photon Counter (MPPC). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 850, 35-41.	1.6	9
15	Introduction to the detection technology of Ali CMB polarization telescope. Radiation Detection Technology and Methods, 2017, 1, 1.	0.8	9
16	Design and calibration of the high energy particle monitor onboard the Insight-HXMT. Journal of High Energy Astrophysics, 2020, 26, 77-82.	6.7	9
17	The removal method and generation mechanism of spikes in Insight-HXMT/HE telescope. Experimental Astronomy, 2022, 53, 1037-1051.	3.7	3
18	Study on temperature coefficient of CdTe detector used for x-rays detection. Nuclear Technology and Radiation Protection, 2017, 32, 256-260.	0.8	0