Yu-Peng Xu

List of Publications by Year
in descending order

90	2,148	361413 20	254184 43
papers	citations	h-index	g-index

91	91	91	1781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quality assurance test and failure analysis of SiPM arrays of GECAM satellites. Radiation Detection Technology and Methods, 2022, 6, 35-42.	0.8	9
2	The design and performance of GRD onboard the GECAM satellite. Radiation Detection Technology and Methods, 2022, 6, 43-52.	0.8	9
3	The technology for detection of gamma-ray burst with GECAM satellite. Radiation Detection Technology and Methods, 2022, 6, 12-25.	0.8	9
4	Dedicated SiPM array for GRD of GECAM. Radiation Detection Technology and Methods, 2022, 6, 63-69.	0.8	4
5	The data acquisition algorithm designed for the SiPM-based detectors of GECAM satellite. Radiation Detection Technology and Methods, 2022, 6, 70-77.	0.8	2
6	The design and performance of charged particle detector onboard the GECAM mission. Radiation Detection Technology and Methods, 2022, 6, 53-62.	0.8	5
7	In-orbit Timing Calibration of the Insight-Hard X-Ray Modulation Telescope. Astrophysical Journal, Supplement Series, 2022, 259, 14.	7.7	10
8	The First Insight-HXMT Gamma-Ray Burst Catalog: The First Four Years. Astrophysical Journal, Supplement Series, 2022, 259, 46.	7.7	9
9	The 2018 failed outburst of H 1743 â€“ 322: Insight-HXMT, NuSTAR, and NICER views. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4541-4555.	4.4	8
10	Performance of a focal plane detector for soft X-ray imaging spectroscopy based on back-illuminated sCMOS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1030, 166465.	1.6	4
11	Energetic transients joint analysis system for multi-INstrument (ETJASMIN) for GECAM â€“ I. Positional, temporal, and spectral analyses. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2397-2406.	4.4	11
12	GeV Proton Detection in the 8 November 2000 Solar Event. Universe, 2022, 8, 287.	2.5	0
13	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
14	Discovery of oscillations above 200â€‰keV in a black hole X-ray binary with Insight-HXMT. Nature Astronomy, 2021, 5, 94-102.	10.1	71
15	The influence of the Insight-HXMT/LE time response on timing analysis. Research in Astronomy and Astrophysics, 2021, 21, 005.	1.7	3
16	Insight-HXMT Observations of a Possible Fast Transition from the Jet- to Wind-dominated State during a Huge Flare of GRS 1915+105. Astrophysical Journal Letters, 2021, 906, L2.	8.3	11
17	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
18	A simulation tool for the in-flight calibration sources in polarimetry focusing telescope array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164926.	1.6	1

#	Article	IF	Citations
19	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. Nature Astronomy, 2021, 5, 378-384.	10.1	152
20	A preliminary design of the magnetic diverter on-board the eXTP observatory. Experimental Astronomy, 2021, 51, 475-492.	3.7	3
21	Physical origin of the non-physical spin evolution of MAXI J1820Â+Â070. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2168-2180.	4.4	18
22	Timing analysis of the black hole candidate EXO 1846â€“031 with Insight-HXMT monitoring. Research in Astronomy and Astrophysics, 2021, 21, 070.	1.7	9
23	New Insight into the Rapid Burster by Insight-HXMT. Astrophysical Journal, 2021, 913, 150.	4.5	1
24	Study on the Energy Limits of kHz QPOs in Sco X-1 with RXTE and Insight-HXMT Observations. Astrophysical Journal, 2021, 913, 119.	4.5	1
25	Design and test of a portable Gamma-Ray Burst simulator for GECAM. Experimental Astronomy, 2021, 52, 45-58.	3.7	16
26	Broadband Variability Study of Maxi J1631-479 in Its Hard-intermediate State Observed with Insight-HXMT. Astrophysical Journal, 2021, 919, 92.	4.5	16
27	Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3910-3920.	4.4	9
28	X-ray reprocessing in accreting pulsar GX 301-2 observed with Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2522-2530.	4.4	4
29	A Variable Ionized Disk Wind in the Black Hole Candidate EXO 1846â€“031. Astrophysical Journal, 2021, 906, 11.	4.5	11
30	Calibration of the instrumental response of Insight-HXMT/HE CsI detectors for gamma-ray monitoring. Journal of High Energy Astrophysics, 2020, 27, 1-13.	6.7	13
31	In-flight calibration of the Insight-Hard X-ray Modulation Telescope. Journal of High Energy Astrophysics, 2020, 27, 64-76.	6.7	59
32	Insight-HXMT observations of Swift J0243.6+6124: the evolution of RMS pulse fractions at super-Eddington luminosity. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5498-5506.	4.4	10
33	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
34	The Low Energy X-ray telescope (LE) onboard the Insight-HXMT astronomy satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	108
35	Overview to the Hard X-ray Modulation Telescope (Insight-HXMT) Satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	178
36	Discovery of Delayed Spin-up Behavior Following Two Large Glitches in the Crab Pulsar, and the Statistics of Such Processes. Astrophysical Journal, 2020, 896, 55.	4.5	10

#	Article	IF	Citations
37	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
38	The Medium Energy X-ray telescope (ME) onboard the Insight-HXMT astronomy satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	97
39	Switches between accretion structures during flares in 4U 1901+03. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5680-5692.	4.4	8
40	Confirming the spin parameter of the black hole in Cygnus X-1 using the Insight-HXMT. Journal of High Energy Astrophysics, 2020, 27, 53-63.	6.7	10
41	A search for promptÎ³-ray counterparts to fast radio bursts in the Insight-HXMT data. Astronomy and Astrophysics, 2020, 637, A69.	5.1	20
42	Constraining the transient high-energy activity of FRB 180916.J0158+65 with Insightâ€“HXMT follow-up observations. Astronomy and Astrophysics, 2020, 642, A160.	5.1	9
43	The HERMES-technologic and scientific pathfinder. , 2020, , .		19
44	The scientific payload on-board the HERMES-TP and HERMES-SP CubeSat missions. , 2020, , .		14
45	Timing techniques applied to distributed modular high-energy astronomy: the H.E.R.M.E.S. project. , 2020, , .		4
46	The Evolution of the Broadband Temporal Features Observed in the Black-hole Transient MAXI J1820+070 with Insight-HXMT. Astrophysical Journal, 2020, 896, 33.	4.5	27
47	Two Complete Spectral Transitions of Swift J0243.6+6124 Observed by Insight-HXMT. Astrophysical Journal, 2020, 902, 18.	4.5	15
48	Insight-HXMT Firm Detection of the Highest-energy Fundamental Cyclotron Resonance Scattering Feature in the Spectrum of GRO J1008-57. Astrophysical Journal Letters, 2020, 899, L19.	8.3	15
49	Method and application of fast estimating particle background level for space-based focusing X-ray instruments. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 150701.	0.5	3
50	Mechanical design and analysis of the eXTP satellite. , 2020, , .		0
51	Optical thermal filters for eXTP: manufacturing and characterization. , 2020, , .		2
52	An innovative architecture for wide band transient monitor on board HERMES nano-satellite constellations. , 2020, , .		7
53	Mission analysis and preliminary spacecraft design of the enhanced x-ray timing and polarimetry observatory. , 2020, , .		4
54	Investigating the effect of source contamination on eXTP/SFA. , 2020, , .		2

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55	Status of the follow-up x-ray telescope onboard the Einstein Probe satellite. , 2020, , .		5
56	In-orbit Demonstration of X-Ray Pulsar Navigation with the Insight-HXMT Satellite. Astrophysical Journal, Supplement Series, 2019, 244, 1.	7.7	28
57	Insight-HXMT Observations of Swift J0243.6+6124 during Its 2017â€“2018 Outburst. Astrophysical Journal, 2019, 879, 61.	4.5	28
58	Physics and astrophysics of strong magnetic field systems with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	17
59	Ground-based calibration and characterization of the HE detectors for Insight-HXMT. Journal of High Energy Astrophysics, 2019, 24, 6-14.	6.7	16
60	Observatory science with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	50
61	Accretion in strong field gravity with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	27
62	Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	81
63	The enhanced X-ray Timing and Polarimetry missionâ€”eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	178
64	Mirror module design of x-ray telescopes of eXTP mission. , 2019, , .		2
65	Insight-HXMT observations of the first binary neutron star merger GW170817. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	52
66	INSIGHT-HXMT Observations of the New Black Hole Candidate MAXI J1535â^’571: Timing Analysis. Astrophysical Journal, 2018, 866, 122.	4.5	73
67	Insight-HXMT Observations of 4U 1636-536: Corona Cooling Revealed with Single Short Type-I X-Ray Burst. Astrophysical Journal Letters, 2018, 864, L30.	8.3	26
68	The insight-HXMT mission and its recent progresses. , 2018, , .		22
69	The large area detector onboard the eXTP mission. , 2018, , .		9
70	The wide field monitor onboard the eXTP mission. , 2018, , .		4
71	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
72	eXTP: Enhanced X-ray Timing and Polarization mission. Proceedings of SPIE, 2016, , .	0.8	106

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73	Constraints on the dark matter annihilation from Fermi-LAT observation of M31. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 028-028.	5.4	16
74	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
75	A digital CDS technique and its performance testing. Chinese Physics C, 2015, 39, 076101.	3.7	3
76	Measurements of charge transfer efficiency in a proton-irradiated swept charge device. Chinese Physics C, 2014, 38, 066001.	3.7	4
77	Proton irradiation effect on SCDs. Chinese Physics C, 2014, 38, 086004.	3.7	2
78	Low temperature testing and neutron irradiation of a swept charge device on board the HXMT satellite. Chinese Physics C, 2012, 36, 991-995.	3.7	9
79	Design and optimization of the readout system for X-ray CCDs. Chinese Physics C, 2012, 36, 846-850.	3.7	9
80	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
81	Thermal analysis and expected performance of the low energy instrument on board the HXMT satellite. Chinese Physics C, 2010, 34, 1812-1817.	3.7	4
82	Crystal structures of carbonates Cs2Sr2(CO3)3 and Rb2Sr2(CO3)3 from powder data. Powder Diffraction, 2010, 25, S2-S6.	0.2	1
83	Single crystal growth of gallium nitride in supercritical ammonia. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2066-2069.	0.8	3
84	Preparation and Optical Properties of Prism-Shaped GaN Nanorods. Journal of Physical Chemistry B, 2004, 108, 12024-12026.	2.6	63
85	A Conjunctive Study of Solar Flare 20010402 and Related Solar Proton Events by the Observation of SZ2/XD and ZY1/CBMC. Chinese Journal of Geophysics, 2004, 47, 837-842.	0.2	2
86	A Comparison Between Detections of Energetic Electron by ZY1/CBMC and SZ2/XD. Chinese Journal of Geophysics, 2004, 47, 644-651.	0.2	2
87	The correlations among various elements in neutron activation analysis â€" The evaluation of R-matrix and Î²-matrix. Journal of Radioanalytical and Nuclear Chemistry, 1987, 113, 169-175.	1.5	3
88	Hot disk of the SwiftÂJ0243.6+6124 revealed by Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	35
89	Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	9
90	QPOs and Orbital elements of X-ray binary 4U 0115+63 during the 2017 outburst observed by Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3