

Yu-Peng Xu

List of Publications by Year in descending order

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91
all docs

91
docs citations

91
times ranked

1781
citing authors

#	ARTICLE	IF	CITATIONS
1	The enhanced X-ray Timing and Polarimetry mission eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	178
2	Overview to the Hard X-ray Modulation Telescope (Insight-HXMT) Satellite. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	178
3	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
4	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
5	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
6	eXTP: Enhanced X-ray Timing and Polarization mission. Proceedings of SPIE, 2016, , .	0.8	106
7	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
8	Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	81
9	INSIGHT-HXMT Observations of the New Black Hole Candidate MAXI J1535-571: Timing Analysis. Astrophysical Journal, 2018, 866, 122.	4.5	73
10	Discovery of oscillations above 200 keV in a black hole X-ray binary with Insight-HXMT. Nature Astronomy, 2021, 5, 94-102.	10.1	71
11	Preparation and Optical Properties of Prism-Shaped GaN Nanorods. Journal of Physical Chemistry B, 2004, 108, 12024-12026.	2.6	63
12	In-flight calibration of the Insight-Hard X-ray Modulation Telescope. Journal of High Energy Astrophysics, 2020, 27, 64-76.	6.7	59
13	Insight-HXMT observations of the first binary neutron star merger GW170817. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	52
14	Observatory science with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	50
15	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
16	Hot disk of the Swift J0243.6+6124 revealed by Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	35
17	In-orbit Demonstration of X-Ray Pulsar Navigation with the Insight-HXMT Satellite. Astrophysical Journal, Supplement Series, 2019, 244, 1.	7.7	28
18	Insight-HXMT Observations of Swift J0243.6+6124 during Its 2017-2018 Outburst. Astrophysical Journal, 2019, 879, 61.	4.5	28

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19	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	27
20	The Evolution of the Broadband Temporal Features Observed in the Black-hole Transient MAXI J1820+070 with Insight-HXMT. <i>Astrophysical Journal</i> , 2020, 896, 33.	4.5	27
21	Insight-HXMT Observations of 4U 1636-536: Corona Cooling Revealed with Single Short Type-I X-Ray Burst. <i>Astrophysical Journal Letters</i> , 2018, 864, L30.	8.3	26
22	The insight-HXMT mission and its recent progresses. , 2018, , .		22
23	A search for prompt γ -ray counterparts to fast radio bursts in the Insight-HXMT data. <i>Astronomy and Astrophysics</i> , 2020, 637, A69.	5.1	20
24	The HERMES-technologic and scientific pathfinder. , 2020, , .		19
25	Physical origin of the non-physical spin evolution of MAXI J1820+070. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2168-2180.	4.4	18
26	Physics and astrophysics of strong magnetic field systems with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	17
27	Constraints on the dark matter annihilation from Fermi-LAT observation of M31. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 028-028.	5.4	16
28	Ground-based calibration and characterization of the HE detectors for Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2019, 24, 6-14.	6.7	16
29	Design and test of a portable Gamma-Ray Burst simulator for GECAM. <i>Experimental Astronomy</i> , 2021, 52, 45-58.	3.7	16
30	Broadband Variability Study of Maxi J1631-479 in Its Hard-intermediate State Observed with Insight-HXMT. <i>Astrophysical Journal</i> , 2021, 919, 92.	4.5	16
31	Two Complete Spectral Transitions of Swift J0243.6+6124 Observed by Insight-HXMT. <i>Astrophysical Journal</i> , 2020, 902, 18.	4.5	15
32	Insight-HXMT Firm Detection of the Highest-energy Fundamental Cyclotron Resonance Scattering Feature in the Spectrum of GRO J1008-57. <i>Astrophysical Journal Letters</i> , 2020, 899, L19.	8.3	15
33	Quasi-periodic Oscillations of the X-Ray Burst from the Magnetar SGR J1935+2154 and Associated with the Fast Radio Burst FRB 200428. <i>Astrophysical Journal</i> , 2022, 931, 56.	4.5	15
34	A gain control and stabilization technique for Silicon Photomultipliers in low-light-level applications around room temperature. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 695, 222-225.	1.6	14
35	The scientific payload on-board the HERMES-TP and HERMES-SP CubeSat missions. , 2020, , .		14
36	Calibration of the instrumental response of Insight-HXMT/HE CsI detectors for gamma-ray monitoring. <i>Journal of High Energy Astrophysics</i> , 2020, 27, 1-13.	6.7	13

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37	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
38	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
39	A Variable Ionized Disk Wind in the Black Hole Candidate EXO 1846â€“031. Astrophysical Journal, 2021, 906, 11.	4.5	11
40	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
41	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
42	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
43	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
44	In-orbit Timing Calibration of the Insight-Hard X-Ray Modulation Telescope. Astrophysical Journal, Supplement Series, 2022, 259, 14.	7.7	10
45	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
46	Design and optimization of the readout system for X-ray CCDs. Chinese Physics C, 2012, 36, 846-850.	3.7	9
47	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
48	Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	9
49	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
50	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
51	Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of <i>Insight</i>-HXMT. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3910-3920.	4.4	9
52	Quality assurance test and failure analysis of SiPM arrays of GECAM satellites. Radiation Detection Technology and Methods, 2022, 6, 35-42.	0.8	9
53	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
54	The large area detector onboard the eXTP mission. , 2018, , .		9

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55	The design and performance of GRD onboard the GECAM satellite. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 43-52.	0.8	9
56	The technology for detection of gamma-ray burst with GECAM satellite. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 12-25.	0.8	9
57	The First Insight-HXMT Gamma-Ray Burst Catalog: The First Four Years. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 46.	7.7	9
58	Switches between accretion structures during flares in 4U 1901+03. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5680-5692.	4.4	8
59	The 2018 failed outburst of H 1743 -322: <i>Insight-HXMT</i> , <i>NuSTAR</i> , and <i>NICER</i> views. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4541-4555.	4.4	8
60	An innovative architecture for wide band transient monitor on board HERMES nano-satellite constellations. , 2020, , .		7
61	Status of the follow-up x-ray telescope onboard the Einstein Probe satellite. , 2020, , .		5
62	The design and performance of charged particle detector onboard the GECAM mission. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 53-62.	0.8	5
63	Thermal analysis and expected performance of the low energy instrument on board the HXMT satellite. <i>Chinese Physics C</i> , 2010, 34, 1812-1817.	3.7	4
64	Measurements of charge transfer efficiency in a proton-irradiated swept charge device. <i>Chinese Physics C</i> , 2014, 38, 066001.	3.7	4
65	X-ray reprocessing in accreting pulsar GX 301-2 observed with <i>Insight-HXMT</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2522-2530.	4.4	4
66	The wide field monitor onboard the eXTP mission. , 2018, , .		4
67	Timing techniques applied to distributed modular high-energy astronomy: the H.E.R.M.E.S. project. , 2020, , .		4
68	Mission analysis and preliminary spacecraft design of the enhanced x-ray timing and polarimetry observatory. , 2020, , .		4
69	Dedicated SiPM array for GRD of GECAM. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 63-69.	0.8	4
70	Performance of a focal plane detector for soft X-ray imaging spectroscopy based on back-illuminated sCMOS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1030, 166465.	1.6	4
71	The correlations among various elements in neutron activation analysis - The evaluation of R-matrix and \hat{P} -matrix. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1987, 113, 169-175.	1.5	3
72	Single crystal growth of gallium nitride in supercritical ammonia. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 2066-2069.	0.8	3

#	ARTICLE	IF	CITATIONS
73	A digital CDS technique and its performance testing. Chinese Physics C, 2015, 39, 076101.	3.7	3
74	The influence of the Insight-HXMT/LE time response on timing analysis. Research in Astronomy and Astrophysics, 2021, 21, 005.	1.7	3
75	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
76	A preliminary design of the magnetic diverter on-board the eXTP observatory. Experimental Astronomy, 2021, 51, 475-492.	3.7	3
77	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
78	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
79	A Comparison Between Detections of Energetic Electron by ZY1/CBMC and SZ2/XD. Chinese Journal of Geophysics, 2004, 47, 644-651.	0.2	2
80	Proton irradiation effect on SCDs. Chinese Physics C, 2014, 38, 086004.	3.7	2
81	Mirror module design of x-ray telescopes of eXTP mission. , 2019, , .		2
82	Optical thermal filters for eXTP: manufacturing and characterization. , 2020, , .		2
83	Investigating the effect of source contamination on eXTP/SFA. , 2020, , .		2
84	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
85	Crystal structures of carbonates Cs ₂ Sr ₂ (CO ₃) ₃ and Rb ₂ Sr ₂ (CO ₃) ₃ from powder data. Powder Diffraction, 2010, 25, S2-S6.	0.2	1
86	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
87	New Insight into the Rapid Burster by Insight-HXMT. Astrophysical Journal, 2021, 913, 150.	4.5	1
88	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
89	Mechanical design and analysis of the eXTP satellite. , 2020, , .		0
90	GeV Proton Detection in the 8 November 2000 Solar Event. Universe, 2022, 8, 287.	2.5	0