

# Gang Li

## List of Publications by Year in descending order

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66  
papers

1,649  
citations

394421

19  
h-index

315739

38  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1583  
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	eXTP: Enhanced X-ray Timing and Polarization mission. Proceedings of SPIE, 2016, , .	0.8	106
5	INSIGHT-HXMT Observations of the New Black Hole Candidate MAXI J1535â~571: Timing Analysis. Astrophysical Journal, 2018, 866, 122.	4.5	73
6	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
7	Insight-HXMT observations of the first binary neutron star merger GW170817. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	52
8	Observatory science with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	50
9	Background model for the Low-Energy Telescope of Insight-HXMT. Journal of High Energy Astrophysics, 2020, 27, 24-32.	6.7	49
10	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
11	The background model of the medium energy X-ray telescope of Insight-HXMT. Journal of High Energy Astrophysics, 2020, 27, 44-50.	6.7	39
12	Background model for the high-energy telescope of Insight-HXMT. Journal of High Energy Astrophysics, 2020, 27, 14-23.	6.7	37
13	Hot disk of the Swift J0243.6+6124 revealed by Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	35
14	In-orbit Demonstration of X-Ray Pulsar Navigation with the <i>Insight</i>-<i>HXMT</i> Satellite</i>. Astrophysical Journal, Supplement Series, 2019, 244, 1.	7.7	28
15	Insight-HXMT Observations of Swift J0243.6+6124 during Its 2017â€“2018 Outburst. Astrophysical Journal, 2019, 879, 61.	4.5	28
16	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
17	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
18	Detection of Flare Multiperiodic Pulsations in Mid-ultraviolet Balmer Continuum, LyÎ±, Hard X-Ray, and Radio Emissions Simultaneously. Astrophysical Journal, 2021, 921, 179.	4.5	26

#	ARTICLE	IF	CITATIONS
19	The GECAM and its payload. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2020, 50, 129508.	0.4	23
20	A search for prompt $\gamma$ -ray counterparts to fast radio bursts in the Insight-HXMT data. <i>Astronomy and Astrophysics</i> , 2020, 637, A69.	5.1	20
21	Joint analysis of energy and RMS spectra from MAXI J1535-571 with Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2020, 25, 29-38.	6.7	18
22	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
23	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
24	Two Complete Spectral Transitions of Swift J0243.6+6124 Observed by Insight-HXMT. <i>Astrophysical Journal</i> , 2020, 902, 18.	4.5	15
25	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
26	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
27	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
28	Constant cyclotron line energy in Hercules X-1 - Joint Insight-HXMT and NuSTAR observations. <i>Journal of High Energy Astrophysics</i> , 2019, 23, 29-32.	6.7	13
29	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
30	Geant4 simulation for the responses to X-rays and charged particles through the eXTP focusing mirrors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 963, 163702.	1.6	12
31	Estimate of the background and sensitivity of the follow-up X-ray telescope onboard Einstein Probe. <i>Astroparticle Physics</i> , 2022, 137, 102668.	4.3	12
32	Peculiar Disk Behaviors of the Black Hole Candidate MAXI J1348+630 in the Hard State Observed by Insight-HXMT and Swift. <i>Astrophysical Journal</i> , 2022, 927, 210.	4.5	12
33	Calculation for the Space Environment Background of HXMT. <i>Chinese Astronomy and Astrophysics</i> , 2009, 33, 333-346.	0.3	11
34	Insight-HXMT Observations of a Possible Fast Transition from the Jet- to Wind-dominated State during a Huge Flare of GRS 1915+105. <i>Astrophysical Journal Letters</i> , 2021, 906, L2.	8.3	11
35	A Variable Ionized Disk Wind in the Black Hole Candidate EXO 1846+031. <i>Astrophysical Journal</i> , 2021, 906, 11.	4.5	11
36	Insight-HXMT observation on 4U 1608+52: Evolving spectral properties of a bright type-I X-ray burst. <i>Journal of High Energy Astrophysics</i> , 2019, 24, 23-29.	6.7	10

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37	Insight-HXMT observations of Swift J0243.6+6124: the evolution of RMS pulse fractions at super-Eddington luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5498-5506.	4.4	10
38	Comparison of simulated backgrounds with in-orbit observations for HE, ME, and LE onboard Insight-HXMT. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	1.4	10
39	Discovery of Delayed Spin-up Behavior Following Two Large Glitches in the Crab Pulsar, and the Statistics of Such Processes. <i>Astrophysical Journal</i> , 2020, 896, 55.	4.5	10
40	Accretion torque reversals in GRO J1008-57 revealed by Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2021, 30, 1-8.	6.7	10
41	Confirming the spin parameter of the black hole in Cygnus X-1 using the Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2020, 27, 53-63.	6.7	10
42	Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	9
43	Design and calibration of the high energy particle monitor onboard the Insight-HXMT. <i>Journal of High Energy Astrophysics</i> , 2020, 26, 77-82.	6.7	9
44	Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of Insight-HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3910-3920.	4.4	9
45	Constraining the transient high-energy activity of FRB 180916.J0158+65 with Insight-HXMT follow-up observations. <i>Astronomy and Astrophysics</i> , 2020, 642, A160.	5.1	9
46	Do All Interplanetary Coronal Mass Ejections Have a Magnetic Flux Rope Structure Near 1 au?. <i>Astrophysical Journal Letters</i> , 2020, 901, L21.	8.3	9
47	The design and performance of GRD onboard the GECAM satellite. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 43-52.	0.8	9
48	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
49	The First Insight-HXMT Gamma-Ray Burst Catalog: The First Four Years. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 46.	7.7	9
50	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
51	The 2018 failed outburst of H 1743 - 322: Insight-HXMT, NuSTAR, and NICER views. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4541-4555.	4.4	8
52	Energy response and in-flight background simulation for GECAM. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2020, 50, 129509.	0.4	7
53	Insight-HXMT insight into switch of the accretion mode: The case of the X-ray pulsar 4U 1901+03. <i>Journal of High Energy Astrophysics</i> , 2020, 27, 38-43.	6.7	6
54	Insight-HXMT study of the timing properties of Sco X-1. <i>Journal of High Energy Astrophysics</i> , 2020, 25, 1-9.	6.7	6

#	ARTICLE	IF	CITATIONS
55	Status of the follow-up x-ray telescope onboard the Einstein Probe satellite. , 2020, , .		5
56	The design and performance of charged particle detector onboard the GECAM mission. Radiation Detection Technology and Methods, 2022, 6, 53-62.	0.8	5
57	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
58	A preliminary design of the magnetic diverter on-board the eXTP observatory. Experimental Astronomy, 2021, 51, 475-492.	3.7	3
59	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
60	A Parametric Model to Reproduce the Background of the Insight-HXMT/HE Blind Detector. Astrophysical Journal, Supplement Series, 2021, 256, 47.	7.7	2
61	Investigating the effect of source contamination on eXTP/SFA. , 2020, , .		2
62	Simulation of the Silicon Drift Detector for the Spectroscopy Focusing Array onboard the eXTP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166105.	1.6	2
63	Diagnostic of the spectral properties of Aquila X-1 by Insight-HXMT snapshots during the early propeller phase. Journal of High Energy Astrophysics, 2020, 25, 10-16.	6.7	1
64	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
65	New Insight into the Rapid Burster by Insight-HXMT. Astrophysical Journal, 2021, 913, 150.	4.5	1
66	Insight-HXMT measurements of the diffuse X-ray background. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4074-4081.	4.4	1