Linqing Wen

List of Publications by Year in Descending Order

46 papers	1,429 citations	18 h-index	37 g-index
50 ext. papers	1,645 ext. citations	4.1 avg, IF	4.68 L-index

#	Paper	IF	Citations
46	SPIIR online coherent pipeline to search for gravitational waves from compact binary coalescences. *Physical Review D*, **2022**, 105,	4.9	2
45	Early Warnings of Binary Neutron Star Coalescence Using the SPIIR Search. *Astrophysical Journal Letters*, **2022**, 927, L9	7.9	0
44	First Demonstration of Early Warning Gravitational-wave Alerts. *Astrophysical Journal Letters*, **2021**, 910, L21	7.9	15
43	Extraction of binary black hole gravitational wave signals from detector data using deep learning. *Physical Review D*, **2021**, 104,	4.9	1
42	Model-independent test of the parity symmetry of gravity with gravitational waves. *European Physical Journal C*, **2020**, 80, 1	4.2	8
41	Using negative-latency gravitational wave alerts to detect prompt radio bursts from binary neutron star mergers with the Murchison Widefield Array. *Monthly Notices of the Royal Astronomical Society: Letters*, **2019**, 489, L75-L79	4.3	11
40	Using deep learning to localize gravitational wave sources. *Physical Review D*, **2019**, 100,	4.9	10
39	Localization accuracy of compact binary coalescences detected by the third-generation gravitational-wave detectors and implication for cosmology. *Physical Review D*, **2018**, 97,	4.9	55
38	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. *Physical Review D*, **2018**, 98,	4.9	40
37	GPU-acceleration on a low-latency binary-coalescence gravitational wave search pipeline. *Computer Physics Communications*, **2018**, 231, 62-71	4.2	9
36	Gravitational-Wave Cosmology across 29 Decades in Frequency. *Physical Review X*, **2016**, 6,	9.1	82
35	Gravitational waves: search results, data analysis and parameter estimation: Amaldi 10 Parallel session C2. *General Relativity and Gravitation*, **2015**, 47, 11	2.3	3
34	Gravitational wave astronomy: the current status. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1	3.6	18
33	The development of ground based gravitational wave astronomy and opportunities for Australia□China collaboration. *International Journal of Modern Physics A*, **2015**, 30, 1545019	1.2	
32	The next detectors for gravitational wave astronomy. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1	3.6	14
31	Gravitational wave astrophysics, data analysis and multimessenger astronomy. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1	3.6	4
30	Photons with sub-Planckian energy cannot efficiently probe space-time foam. *Physical Review D*, **2014**, 90,	4.9	2

29	Gravitational wave astronomy. *Frontiers of Physics*, **2013**, 8, 771-793	3.7	4
28	EARLY DETECTION AND LOCALIZATION OF GRAVITATIONAL WAVES FROM COMPACT BINARY COALESCENCES. *International Journal of Modern Physics D*, **2013**, 22, 1360011	2.2	1
27	GPU-accelerated low-latency real-time searches for gravitational waves from compact binary coalescence. *Classical and Quantum Gravity*, **2012**, 29, 235018	3.3	11
26	Summed parallel infinite impulse response filters for low-latency detection of chirping gravitational waves. *Physical Review D*, **2012**, 86,	4.9	36
25	Towards low-latency real-time detection of gravitational waves from compact binary coalescences in the era of advanced detectors. *Physical Review D*, **2012**, 85,	4.9	17
24	Progress on the Low-Latency Inspiral Gravitational Wave Detection algorithm known as SPIIR. *Journal of Physics: Conference Series*, **2012**, 363, 012027	0.3	0
23	Scientific Benefit of Enlarging Gravitational Wave Detector Networks. *Journal of Physics: Conference Series*, **2012**, 363, 012023	0.3	3
22	DETECTING GRAVITATIONAL WAVES AND THEIR ELECTROMAGNETIC COUNTERPARTS. *International Journal of Modern Physics D*, **2011**, 20, 1883-1890	2.2	
21	Application of graphics processing units to search pipelines for gravitational waves from coalescing binaries of compact objects. *Classical and Quantum Gravity*, **2010**, 27, 135009	3.3	10
20	Geometrical expression for the angular resolution of a network of gravitational-wave detectors. *Physical Review D*, **2010**, 81,	4.9	76
19	Low-Latency Detection of Gravitational Waves **2010**,		3
18	Astrodynamical Space Test of Relativity Using Optical Devices I (ASTROD I)—A class-M fundamental physics mission proposal for Cosmic Vision 2015–2025. *Experimental Astronomy*, **2009**, 23, 491-527	1.3	30
17	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. *Classical and Quantum Gravity*, **2008**, 25, 184026	3.3	50
16	Improved time–frequency analysis of extreme-mass-ratio inspiral signals in mock LISA data. *Classical and Quantum Gravity*, **2008**, 25, 184031	3.3	16
15	Report on the second Mock LISA data challenge. *Classical and Quantum Gravity*, **2008**, 25, 114037	3.3	34
14	DATA ANALYSIS OF GRAVITATIONAL WAVES USING A NETWORK OF DETECTORS. *International Journal of Modern Physics D*, **2008**, 17, 1095-1104	2.2	11
13	The superorbital variability and triple nature of the X-ray source 4U 1820-303. *Monthly Notices of the Royal Astronomical Society*, **2007**, 377, 1006-1016	4.3	41
12	Extracting Information about EMRIs using Time-Frequency Methods. *AIP Conference Proceedings*, **2006**,	0	2

11	A Systematic Search for Periodicities in RXTE ASM Data. *Astrophysical Journal, Supplement Series*, **2006**, 163, 372-392	8	82
10	Coherent network detection of gravitational waves: the redundancy veto. *Classical and Quantum Gravity*, **2005**, 22, S1321-S1335	3.3	68
9	Detecting extreme mass ratio inspirals with LISA using time–frequency methods: II. Search characterization. *Classical and Quantum Gravity*, **2005**, 22, S1359-S1371	3.3	17
8	Detecting extreme mass ratio inspirals with LISA using time–frequency methods. *Classical and Quantum Gravity*, **2005**, 22, S445-S451	3.3	24
7	Constraining the Properties of Supermassive Black Hole Systems Using Pulsar Timing: Application to 3C 66B. *Astrophysical Journal*, **2004**, 606, 799-803	4.7	124
6	On the Eccentricity Distribution of Coalescing Black Hole Binaries Driven by the Kozai Mechanism in Globular Clusters. *Astrophysical Journal*, **2003**, 598, 419-430	4.7	239
5	Understanding the Long-Term Spectral Variability of Cygnus X-1 with Burst and Transient Source Experiment and All-Sky Monitor Observations. *Astrophysical Journal*, **2002**, 578, 357-373	4.7	146
4	The Correlated Intensity and Spectral Evolution of Cygnus X-1 During State Transitions. *Astrophysical Journal*, **2001**, 546, L105-L108	4.7	13
3	X1908+075: An X-Ray Binary with a 4.4 Day Period. *Astrophysical Journal*, **2000**, 532, 1119-1123	4.7	15
2	Orbital Modulation of X-Rays from Cygnus X-1 in its Hard and Soft States. *Astrophysical Journal*, **1999**, 525, 968-977	4.7	54
1	A Shock-patching Code for Ultrarelativistic Fluid Flows. *Astrophysical Journal*, **1997**, 486, 919-927	4.7	28