# Linqing Wen

## List of Publications by Citations



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|---|---|---|---|
| 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 | 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 |
| 45 | 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 |
| 44 | Constraining the Properties of Supermassive Black Hole Systems Using Pulsar Timing: Application to 3C 66B. *Astrophysical Journal*, **2004**, 606, 799-803 | 4.7 | 124 |
| 43 | Gravitational-Wave Cosmology across 29 Decades in Frequency. *Physical Review X*, **2016**, 6, | 9.1 | 82 |
| 42 | A Systematic Search for Periodicities in RXTE ASM Data. *Astrophysical Journal, Supplement Series*, **2006**, 163, 372-392 | 8 | 82 |
| 41 | Geometrical expression for the angular resolution of a network of gravitational-wave detectors. *Physical Review D*, **2010**, 81, | 4.9 | 76 |
| 40 | Coherent network detection of gravitational waves: the redundancy veto. *Classical and Quantum Gravity*, **2005**, 22, S1321-S1335 | 3.3 | 68 |
| 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 | Orbital Modulation of X-Rays from Cygnus X-1 in its Hard and Soft States. *Astrophysical Journal*, **1999**, 525, 968-977 | 4.7 | 54 |
| 37 | The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. *Classical and Quantum Gravity*, **2008**, 25, 184026 | 3.3 | 50 |
| 36 | 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 |
| 35 | Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. *Physical Review D*, **2018**, 98, | 4.9 | 40 |
| 34 | Summed parallel infinite impulse response filters for low-latency detection of chirping gravitational waves. *Physical Review D*, **2012**, 86, | 4.9 | 36 |
| 33 | Report on the second Mock LISA data challenge. *Classical and Quantum Gravity*, **2008**, 25, 114037 | 3.3 | 34 |
| 32 | 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 |
| 31 | A Shock-patching Code for Ultrarelativistic Fluid Flows. *Astrophysical Journal*, **1997**, 486, 919-927 | 4.7 | 28 |
| 30 | Detecting extreme mass ratio inspirals with LISA using time–frequency methods. *Classical and Quantum Gravity*, **2005**, 22, S445-S451 | 3.3 | 24 |

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| 29 | Gravitational wave astronomy: the current status. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1 | 3.6 | 18 |
| 28 | 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 |
| 27 | 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 |
| 26 | Improved time–frequency analysis of extreme-mass-ratio inspiral signals in mock LISA data. *Classical and Quantum Gravity*, **2008**, 25, 184031 | 3.3 | 16 |
| 25 | X1908+075: An X-Ray Binary with a 4.4 Day Period. *Astrophysical Journal*, **2000**, 532, 1119-1123 | 4.7 | 15 |
| 24 | First Demonstration of Early Warning Gravitational-wave Alerts. *Astrophysical Journal Letters*, **2021**, 910, L21 | 7.9 | 15 |
| 23 | The next detectors for gravitational wave astronomy. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1 | 3.6 | 14 |
| 22 | The Correlated Intensity and Spectral Evolution of Cygnus X-1 During State Transitions. *Astrophysical Journal*, **2001**, 546, L105-L108 | 4.7 | 13 |
| 21 | 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 |
| 20 | GPU-accelerated low-latency real-time searches for gravitational waves from compact binary coalescence. *Classical and Quantum Gravity*, **2012**, 29, 235018 | 3.3 | 11 |
| 19 | DATA ANALYSIS OF GRAVITATIONAL WAVES USING A NETWORK OF DETECTORS. *International Journal of Modern Physics D*, **2008**, 17, 1095-1104 | 2.2 | 11 |
| 18 | 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 |
| 17 | Using deep learning to localize gravitational wave sources. *Physical Review D*, **2019**, 100, | 4.9 | 10 |
| 16 | GPU-acceleration on a low-latency binary-coalescence gravitational wave search pipeline. *Computer Physics Communications*, **2018**, 231, 62-71 | 4.2 | 9 |
| 15 | Model-independent test of the parity symmetry of gravity with gravitational waves. *European Physical Journal C*, **2020**, 80, 1 | 4.2 | 8 |
| 14 | Gravitational wave astronomy. *Frontiers of Physics*, **2013**, 8, 771-793 | 3.7 | 4 |
| 13 | Gravitational wave astrophysics, data analysis and multimessenger astronomy. *Science China: Physics, Mechanics and Astronomy*, **2015**, 58, 1 | 3.6 | 4 |
| 12 | Gravitational waves: search results, data analysis and parameter estimation: Amaldi 10 Parallel session C2. *General Relativity and Gravitation*, **2015**, 47, 11 | 2.3 | 3 |

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| 11 | Scientific Benefit of Enlarging Gravitational Wave Detector Networks. *Journal of Physics: Conference Series*, **2012**, 363, 012023 | 0.3 | 3 |
| 10 | Low-Latency Detection of Gravitational Waves **2010**, | | 3 |
| 9 | Photons with sub-Planckian energy cannot efficiently probe space-time foam. *Physical Review D*, **2014**, 90, | 4.9 | 2 |
| 8 | Extracting Information about EMRIs using Time-Frequency Methods. *AIP Conference Proceedings*, **2006**, | 0 | 2 |
| 7 | SPIIR online coherent pipeline to search for gravitational waves from compact binary coalescences. *Physical Review D*, **2022**, 105, | 4.9 | 2 |
| 6 | EARLY DETECTION AND LOCALIZATION OF GRAVITATIONAL WAVES FROM COMPACT BINARY COALESCENCES. *International Journal of Modern Physics D*, **2013**, 22, 1360011 | 2.2 | 1 |
| 5 | Extraction of binary black hole gravitational wave signals from detector data using deep learning. *Physical Review D*, **2021**, 104, | 4.9 | 1 |
| 4 | Progress on the Low-Latency Inspiral Gravitational Wave Detection algorithm known as SPIIR. *Journal of Physics: Conference Series*, **2012**, 363, 012027 | 0.3 | 0 |
| 3 | Early Warnings of Binary Neutron Star Coalescence Using the SPIIR Search. *Astrophysical Journal Letters*, **2022**, 927, L9 | 7.9 | 0 |
| 2 | 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 | |
| 1 | DETECTING GRAVITATIONAL WAVES AND THEIR ELECTROMAGNETIC COUNTERPARTS. *International Journal of Modern Physics D*, **2011**, 20, 1883-1890 | 2.2 | |