

# John Whelan

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

3,921  
citations

430442

18  
h-index

642321

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

4727  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Template lattices for a cross-correlation search for gravitational waves from Scorpius X-1. <i>Classical and Quantum Gravity</i> , 2022, 39, 075013.   | 1.5  | 6         |
| 2  | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .   | 1.8  | 20        |
| 3  | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.  | 1.6  | 144       |
| 4  | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.  | 8.2  | 447       |
| 5  | An analytic approximation to the Bayesian detection statistic for continuous gravitational waves. <i>Classical and Quantum Gravity</i> , 2019, 36, 015013.   | 1.5  | 7         |
| 6  | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.  | 8.2  | 808       |
| 7  | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.  |      | 2         |
| 8  | OctApps: a library of Octave functions for continuous gravitational-wave data analysis. <i>Journal of Open Source Software</i> , 2018, 3, 707.   | 2.0  | 11        |
| 9  | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.  | 0.9  | 69        |
| 10 | Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.                     | 1.6  | 52        |
| 11 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.  | 1.5  | 225       |
| 12 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.   | 8.2  | 427       |
| 13 | Gravitational waves: search results, data analysis and parameter estimation. <i>General Relativity and Gravitation</i> , 2015, 47, 11.   | 0.7  | 4         |
| 14 | Treatment of calibration uncertainty in multi-baseline cross-correlation searches for gravitational waves. <i>Journal of Physics: Conference Series</i> , 2014, 484, 012027.   | 0.3  | 18        |
| 15 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.  | 15.6 | 825       |
| 16 | Designing a cross-correlation search for continuous-wave gravitational radiation from a neutron star in the supernova remnant SNR 1987A. .... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2650-2663. | 1.6  | 26        |
| 17 | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010, 715, 1453-1461.                                  | 1.6  | 90        |
| 18 | Template bank for gravitational waveforms from coalescing binary black holes: Nonspinning binaries. <i>Physical Review D</i> , 2008, 77, .   | 1.6  | 318       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Searching for gravitational waves from Cassiopeia A with LIGO. Classical and Quantum Gravity, 2008, 25, 235011.  | 1.5 | 75        |
| 20 | High-frequency corrections to the detector response and their effect on searches for gravitational waves. Classical and Quantum Gravity, 2008, 25, 184017. | 1.5 | 40        |
| 21 | Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539.  | 1.5 | 33        |
| 22 | A phenomenological template family for black-hole coalescence waveforms. Classical and Quantum Gravity, 2007, 24, S689-S699.                               | 1.5 | 242       |
| 23 | THE LIGO GRAVITATIONAL WAVE OBSERVATORIES: RECENT RESULTS AND FUTURE PLANS. , 2006, , .  |     | 0         |
| 24 | Towards the first search for a stochastic background in LIGO data: applications of signal simulations. Classical and Quantum Gravity, 2003, 20, S677-S687. | 1.5 | 8         |
| 25 | Resonant detectors and interferometers can work together. , 2003, 4856, 230.   |     | 0         |
| 26 | Tidal Interaction in Binary-Black-Hole Inspiral. Physical Review Letters, 2001, 87, 231101.  | 2.9 | 24        |