John Whelan

List of Publications by Year
in descending order

26 papers	3,921 citations	430874 18 h-index	642732 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. Classical and Quantum Gravity, 2022, 39, 075013.	4.0	6
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
4	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
5	An analytic approximation to the Bayesian detection statistic for continuous gravitational waves. Classical and Quantum Gravity, 2019, 36, 015013.	4.0	7
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	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. Journal of Open Source Software, 2018, 3, 707.	4.6	11
9	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	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. Astrophysical Journal, 2017, 841, 89.	4.5	52
11	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
12	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
13	Gravitational waves: search results, data analysis and parameter estimation. General Relativity and Gravitation, 2015, 47, 11.	2.0	4
14	Treatment of calibration uncertainty in multi-baseline cross-correlation searches for gravitational waves. Journal of Physics: Conference Series, 2014, 484, 012027.	0.4	18
15	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	31.4	825
16	Designing a cross-correlation search for continuous-wave gravitational radiation from a neutron star in the supernova remnant SNR 1987Aâ˜…. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2650-2663.	4.4	26
17	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	4.5	90
18	Template bank for gravitational waveforms from coalescing binary black holes: Nonspinning binaries. Physical Review D, 2008, 77, .	4.7	318

#	Article	IF	Citations
19	Searching for gravitational waves from Cassiopeia A with LIGO. Classical and Quantum Gravity, 2008, 25, 235011.	4.0	75
20	High-frequency corrections to the detector response and their effect on searches for gravitational waves. Classical and Quantum Gravity, 2008, 25, 184017.	4.0	40
21	Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539.	4.0	33
22	A phenomenological template family for black-hole coalescence waveforms. Classical and Quantum Gravity, 2007, 24, S689-S699.	4.0	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.	4.0	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.	7.8	24