Ian Harry

List of Publications by Year
in descending order

54 papers	8,978 citations	101384 36 h-index	174990 52 g-index
54 all docs	54 docs citations	54 times ranked	6091 citing authors

#	Article	IF	Citations
1	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	1.5	1,929
2	LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901.	8.1	971
3	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	15.6	825
4	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
5	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	1.5	735
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
7	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
8	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
9	2-OGC: Open Gravitational-wave Catalog of Binary Mergers from Analysis of Public Advanced LIGO and Virgo Data. Astrophysical Journal, 2020, 891, 123.	1.6	178
10	Searching for gravitational waves from binary coalescence. Physical Review D, 2013, 87, .	1.6	130
11	LIGO detector characterization in the second and third observing runs. Classical and Quantum Gravity, 2021, 38, 135014.	1.5	128
12	Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. Physical Review D, 2009, 79, .	1.6	120
13	Detecting binary neutron star systems with spin in advanced gravitational-wave detectors. Physical Review D, 2012, 86, .	1.6	117
14	Stochastic template placement algorithm for gravitational wave data analysis. Physical Review D, 2009, 80, .	1.6	114
15	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	1.6	107
16	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. Physical Review D, 2009, 80, .	1.6	105
17	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	1.6	104
18	Searching for gravitational waves from compact binaries with precessing spins. Physical Review D, 2016, 94, .	1.6	94

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19	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.	1.6	90
20	Observing and measuring the neutron-star equation-of-state in spinning binary neutron star systems. Classical and Quantum Gravity, 2018, 35, 145010.	1.5	85
21	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	1.6	79
22	Convolutional neural networks: A magic bullet for gravitational-wave detection?. Physical Review D, 2019, 100, .	1.6	79
23	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	1.6	78
24	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	1.6	72
25	Targeted coherent search for gravitational waves from compact binary coalescences. Physical Review D, 2011, 83, .	1.6	70
26	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
27	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. Classical and Quantum Gravity, 2008, 25, 184026.	1.5	64
28	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	1.6	60
29	Extending the PyCBC search for gravitational waves from compact binary mergers to a global network. Physical Review D, 2020, 102, .	1.6	58
30	Implementing a search for gravitational waves from binary black holes with nonprecessing spin. Physical Review D, 2016, 93, .	1.6	52
31	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.	1.6	52
32	Searching for the full symphony of black hole binary mergers. Physical Review D, 2018, 97, .	1.6	46
33	First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, .	1.6	45
34	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	1.6	45
35	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, .	1.6	38
36	PROSPECTS FOR JOINT GRAVITATIONAL WAVE AND SHORT GAMMA-RAY BURST OBSERVATIONS. Astrophysical Journal, 2015, 809, 53.	1.6	37

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37	Template banks to search for compact binaries with spinning components in gravitational wave data. Physical Review D, 2009, 80, .	1.6	36
38	Search for strongly lensed counterpart images of binary black hole mergers in the first two LIGO observing runs. Physical Review D, 2020, 102, .	1.6	35
39	Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. Physical Review D, 2009, 80, .	1.6	32
40	Real-time Search for Compact Binary Mergers in Advanced LIGO and Virgo's Third Observing Run Using PyCBC Live. Astrophysical Journal, 2021, 923, 254.	1.6	30
41	A Search for Gravitational Waves from Binary Mergers with a Single Observatory. Astrophysical Journal, 2020, 897, 169.	1.6	29
42	Improved methods for detecting gravitational waves associated with short gamma-ray bursts. Physical Review D, 2014, 90, .	1.6	28
43	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
44	A hierarchical search for gravitational waves from supermassive black hole binary mergers. Classical and Quantum Gravity, 2008, 25, 184027.	1.5	16
45	Fully-coherent all-sky search for gravitational-waves from compact binary coalescences. Physical Review D, 2016, 93, .	1.6	15
46	A coherent triggered search for single-spin compact binary coalescences in gravitational wave data. Classical and Quantum Gravity, 2011, 28, 134008.	1.5	14
47	Matter effects on LIGO/Virgo searches for gravitational waves from merging neutron stars. Classical and Quantum Gravity, 2017, 34, 245003.	1.5	11
48	Optimized PyCBC search for gravitational waves from intermediate-mass black hole mergers. Physical Review D, 2021, 104, .	1.6	10
49	Using machine learning to autotune chi-squared tests for gravitational wave searches. Physical Review D, 2022, 105, .	1.6	6
50	Failure of the Fisher matrix when including tidal terms: Considering construction of template banks of tidally deformed binary neutron stars. Physical Review D, 2021, 104, .	1.6	5
51	SkyPy: A package for modelling the Universe. Journal of Open Source Software, 2021, 6, 3056.	2.0	4
52	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
53	Relativistic astrophysics at GR20. General Relativity and Gravitation, 2014, 46, 1.	0.7	1
54	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1