

Ian Harry

List of Publications by Year in descending order

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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	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
2	Using machine learning to autotune chi-squared tests for gravitational wave searches. Physical Review D, 2022, 105, .	1.6	6
3	LIGO detector characterization in the second and third observing runs. Classical and Quantum Gravity, 2021, 38, 135014.	1.5	128
4	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
5	Optimized PyCBC search for gravitational waves from intermediate-mass black hole mergers. Physical Review D, 2021, 104, .	1.6	10
6	SkyPy: A package for modelling the Universe. Journal of Open Source Software, 2021, 6, 3056.	2.0	4
7	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
8	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
9	A Search for Gravitational Waves from Binary Mergers with a Single Observatory. Astrophysical Journal, 2020, 897, 169.	1.6	29
10	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
11	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
12	Extending the PyCBC search for gravitational waves from compact binary mergers to a global network. Physical Review D, 2020, 102, .	1.6	58
13	Convolutional neural networks: A magic bullet for gravitational-wave detection?. Physical Review D, 2019, 100, .	1.6	79
14	Searching for the full symphony of black hole binary mergers. Physical Review D, 2018, 97, .	1.6	46
15	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
16	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
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
18	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	1.5	735

#	ARTICLE	IF	CITATIONS
19	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , 2017, 95, .	1.6	72
20	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	0.9	69
21	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
22	Matter effects on LIGO/Virgo searches for gravitational waves from merging neutron stars. <i>Classical and Quantum Gravity</i> , 2017, 34, 245003.	1.5	11
23	Searching for gravitational waves from compact binaries with precessing spins. <i>Physical Review D</i> , 2016, 94, .	1.6	94
24	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
25	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
26	Implementing a search for gravitational waves from binary black holes with nonprecessing spin. <i>Physical Review D</i> , 2016, 93, .	1.6	52
27	Fully-coherent all-sky search for gravitational-waves from compact binary coalescences. <i>Physical Review D</i> , 2016, 93, .	1.6	15
28	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1
29	Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015, 32, 074001.	1.5	1,929
30	PROSPECTS FOR JOINT GRAVITATIONAL WAVE AND SHORT GAMMA-RAY BURST OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 809, 53.	1.6	37
31	Improved methods for detecting gravitational waves associated with short gamma-ray bursts. <i>Physical Review D</i> , 2014, 90, .	1.6	28
32	Relativistic astrophysics at GR20. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	0.7	1
33	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
34	Searching for gravitational waves from binary coalescence. <i>Physical Review D</i> , 2013, 87, .	1.6	130
35	Detecting binary neutron star systems with spin in advanced gravitational-wave detectors. <i>Physical Review D</i> , 2012, 86, .	1.6	117
36	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 2.	1.6	60

#	ARTICLE	IF	CITATIONS
37	Targeted coherent search for gravitational waves from compact binary coalescences. <i>Physical Review D</i> , 2011, 83, .	1.6	70
38	A coherent triggered search for single-spin compact binary coalescences in gravitational wave data. <i>Classical and Quantum Gravity</i> , 2011, 28, 134008.	1.5	14
39	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513.	1.6	104
40	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010, 81, .	1.6	107
41	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
42	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. <i>Physical Review D</i> , 2009, 80, .	1.6	79
43	Stochastic template placement algorithm for gravitational wave data analysis. <i>Physical Review D</i> , 2009, 80, .	1.6	114
44	LIGO: the Laser Interferometer Gravitational-Wave Observatory. <i>Reports on Progress in Physics</i> , 2009, 72, 076901.	8.1	971
45	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. <i>Physical Review D</i> , 2009, 80, .	1.6	78
46	First LIGO search for gravitational wave bursts from cosmic (super)strings. <i>Physical Review D</i> , 2009, 80, .	1.6	45
47	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. <i>Physical Review D</i> , 2009, 80, .	1.6	105
48	Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. <i>Physical Review D</i> , 2009, 79, .	1.6	120
49	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. <i>Physical Review D</i> , 2009, 80, .	1.6	38
50	Template banks to search for compact binaries with spinning components in gravitational wave data. <i>Physical Review D</i> , 2009, 80, .	1.6	36
51	Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. <i>Physical Review D</i> , 2009, 80, .	1.6	32
52	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. <i>Astrophysical Journal</i> , 2009, 701, L68-L74.	1.6	45
53	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. <i>Classical and Quantum Gravity</i> , 2008, 25, 184026.	1.5	64
54	A hierarchical search for gravitational waves from supermassive black hole binary mergers. <i>Classical and Quantum Gravity</i> , 2008, 25, 184027.	1.5	16