

# Richard O'Shaughnessy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/398613/publications.pdf>

Version: 2024-02-01

277  
papers

59,135  
citations

3159

92  
h-index

911

241  
g-index

283  
all docs

283  
docs citations

283  
times ranked

17751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eccentricity estimate for black hole mergers with numerical relativity simulations. <i>Nature Astronomy</i> , 2022, 6, 344-349.	10.1	89
2	Interpolating detailed simulations of kilonovae: Adaptive learning and parameter inference applications. <i>Physical Review Research</i> , 2022, 4, .	3.6	13
3	A Nuclear Equation of State Inferred from Stellar r-process Abundances. <i>Astrophysical Journal</i> , 2022, 926, 196.	4.5	5
4	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
5	Implementation of a generalized precession parameter in the RIFT parameter estimation algorithm. <i>Classical and Quantum Gravity</i> , 2022, 39, 125003.	4.0	5
6	LIGO–Virgo correlations between mass ratio and effective inspiral spin: testing the active galactic nuclei channel. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 3886-3893.	4.4	19
7	Combining Electromagnetic and Gravitational-Wave Constraints on Neutron-Star Masses and Radii. <i>Physical Review Letters</i> , 2021, 126, 061101.	7.8	57
8	Measuring the Hubble Constant with GW190521 as an Eccentric black hole Merger and Its Potential Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2021, 908, L34.	8.3	16
9	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.	4.5	144
10	Testing the black hole no-hair theorem with Galactic Center stellar orbits. <i>Physical Review D</i> , 2021, 103, .	4.7	9
11	A Broad Grid of 2D Kilonova Emission Models. <i>Astrophysical Journal</i> , 2021, 918, 10.	4.5	38
12	HARM3D+NUC: A New Method for Simulating the Post-merger Phase of Binary Neutron Star Mergers with GRMHD, Tabulated EOS, and Neutrino Leakage. <i>Astrophysical Journal</i> , 2021, 919, 95.	4.5	17
13	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
14	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020, 893, 100.	4.5	12
15	Black hole, neutron star, and white dwarf merger rates in AGN discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4088-4094.	4.4	83
16	GW190521: A Binary Black Hole Merger with a Total Mass of $150\%$ . <i>Physical Review Letters</i> , 2020, 125, 101102.	7.8	1836
17	Monte Carlo simulations of black hole mergers in AGN discs: Low $\dot{M}$ mergers and predictions for LIGO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1203-1216.	4.4	84
18	GW190425: Observation of a Compact Binary Coalescence with Total Mass $3.4 M_{\odot}$ . <i>Astrophysical Journal Letters</i> , 2020, 892, L3.	8.3	1,049

#	ARTICLE	IF	CITATIONS
19	Impact of subdominant modes on the interpretation of gravitational-wave signals from heavy binary black hole systems. <i>Physical Review D</i> , 2020, 101, .	4.7	28
20	The Formation of a $70 M_{\odot}$ Black Hole at High Metallicity. <i>Astrophysical Journal</i> , 2020, 890, 113.	4.5	48
21	A semianalytic Fisher matrix for precessing binaries with a single significant spin. <i>Classical and Quantum Gravity</i> , 2020, 37, 115006.	4.0	2
22	Black Hole Coagulation: Modeling Hierarchical Mergers in Black Hole Populations. <i>Astrophysical Journal</i> , 2020, 893, 35.	4.5	66
23	Evolutionary roads leading to low effective spins, high black hole masses, and O1/O2 rates for LIGO/Virgo binary black holes. <i>Astronomy and Astrophysics</i> , 2020, 636, A104.	5.1	256
24	Application of the third RIT binary black hole simulations catalog to parameter estimation of gravitational-wave signals from the LIGO-Virgo O1 and O2 observational runs. <i>Physical Review D</i> , 2020, 102, .	4.7	7
25	Inferring Parameters of GW170502: The Loudest Intermediate-mass Black Hole Trigger in LIGO's O1/O2 data. <i>Astrophysical Journal</i> , 2020, 900, 80.	4.5	10
26	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
27	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	8.3	65
28	Assessing and marginalizing over compact binary coalescence waveform systematics with RIFT. <i>Physical Review D</i> , 2020, 102, .	4.7	7
29	Hybrid waveforms for generic precessing binaries for gravitational-wave data analysis. <i>Physical Review D</i> , 2020, 102, .	4.7	4
30	Second RIT binary black hole simulations catalog and its application to gravitational waves parameter estimation. <i>Physical Review D</i> , 2019, 100, .	4.7	50
31	Reconstructing phenomenological distributions of compact binaries via gravitational wave observations. <i>Physical Review D</i> , 2019, 100, .	4.7	107
32	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	4.5	88
33	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , 2019, 883, 149.	4.5	72
34	Hierarchical Black Hole Mergers in Active Galactic Nuclei. <i>Physical Review Letters</i> , 2019, 123, 181101.	7.8	167
35	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119
36	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24.	8.3	566

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37	Accelerating parameter inference with graphics processing units. <i>Physical Review D</i> , 2019, 99, .	4.7	38
38	Wide nutation: binary black-hole spins repeatedly oscillating from full alignment to full anti-alignment. <i>Classical and Quantum Gravity</i> , 2019, 36, 105003.	4.0	14
39	Multiband gravitational-wave event rates and stellar physics. <i>Physical Review D</i> , 2019, 99, .	4.7	73
40	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	4.5	32
41	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , 2019, 871, 90.	4.5	30
42	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO <sup>*</sup> . <i>Astrophysical Journal</i> , 2019, 875, 122.	4.5	61
43	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160.	4.5	97
44	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binaryâ€“Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7.	8.3	179
45	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161.	4.5	71
46	Anisotropies in the Astrophysical Gravitational-Wave Background: The Impact of Black Hole Distributions. <i>Physical Review Letters</i> , 2019, 122, 111101.	7.8	43
47	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163.	4.5	26
48	IMR consistency tests with higher modes on gravitational signals from the second observing run of LIGO and Virgo. <i>Classical and Quantum Gravity</i> , 2019, 36, 245019.	4.0	11
49	On the properties of the massive binary black hole merger GW170729. <i>Physical Review D</i> , 2019, 100, .	4.7	82
50	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2019, 886, 75.	4.5	29
51	Natural History of Fetal Lower Urinary Tract Obstruction with Normal Amniotic Fluid Volume at Initial Diagnosis. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 10-17.	1.4	20
52	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104.	7.8	68
53	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
54	Targeted numerical simulations of binary black holes for GW170104. <i>Physical Review D</i> , 2018, 97, .	4.7	23

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55	Constraints on the neutron star equation of state from AT2017gfo using radiative transfer simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3871-3878.	4.4	157
56	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. Physical Review Letters, 2018, 121, 231103.	7.8	77
57	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,473
58	Spin orientations of merging black holes formed from the evolution of stellar binaries. Physical Review D, 2018, 98, .	4.7	149
59	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	85
60	Explaining LIGO's observations via isolated binary evolution with natal kicks. Physical Review D, 2018, 97, .	4.7	65
61	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
62	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	4.0	735
63	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	4.7	69
64	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	4.0	98
65	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	4.7	72
66	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	194
67	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	84
68	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.5	131
69	The effects of host galaxy properties on merging compact binaries detectable by LIGO. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2831-2839.	4.4	42
70	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
71	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
72	Validating gravitational-wave detections: The Advanced LIGO hardware injection system. Physical Review D, 2017, 95, .	4.7	45

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73	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , 2017, 847, 47.	4.5	46
74	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88.	27.8	674
75	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
76	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13.	8.3	2,314
77	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, .	4.7	73
78	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	64
79	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.	4.5	52
80	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, .	4.7	40
81	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16.	8.3	189
82	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	8.3	156
83	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101.	7.8	1,987
84	Inferences about Supernova Physics from Gravitational-Wave Measurements: GW151226 Spin Misalignment as an Indicator of Strong Black-Hole Natal Kicks. <i>Physical Review Letters</i> , 2017, 119, 011101.	7.8	57
85	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017, 95, .	4.7	19
86	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. <i>Physical Review D</i> , 2017, 95, .	4.7	59
87	An architecture for efficient gravitational wave parameter estimation with multimodal linear surrogate models. <i>Classical and Quantum Gravity</i> , 2017, 34, 144002.	4.0	13
88	Systematic challenges for future gravitational wave measurements of precessing binary black holes. <i>Physical Review D</i> , 2017, 96, .	4.7	17
89	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017, 96, .	4.7	47
90	Parameter estimation method that directly compares gravitational wave observations to numerical relativity. <i>Physical Review D</i> , 2017, 96, .	4.7	55

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91	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	60
92	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	8.3	73
93	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	8.3	968
94	The Contribution of Outer H i Disks to the Merging Binary Black Hole Population. <i>Astrophysical Journal Letters</i> , 2017, 850, L4.	8.3	8
95	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225
96	SUPPLEMENT: "THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914" (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 14.	7.7	63
97	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
98	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, .	8.9	106
99	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. <i>Physical Review D</i> , 2016, 94, .	4.7	31
100	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1.	8.3	230
101	COMPACT BINARY MERGER RATES: COMPARISON WITH LIGO/VIRGO UPPER LIMITS. <i>Astrophysical Journal</i> , 2016, 819, 108.	4.5	193
102	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , 2016, 94, .	4.7	35
103	The effect of pair-instability mass loss on black-hole mergers. <i>Astronomy and Astrophysics</i> , 2016, 594, A97.	5.1	289
104	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , 2016, 94, .	4.7	60
105	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR "BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21.	8.3	146
106	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, .	4.7	102
107	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016, 93, .	4.7	29
108	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , 2016, 93, .	4.7	17

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109	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	4.7	32
110	Distinguishing black-hole spin-orbit resonances by their gravitational wave signatures. II. Full parameter estimation. Physical Review D, 2016, 93, .	4.7	27
111	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. Physical Review D, 2016, 93, .	4.7	286
112	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007â€“2013. Physical Review D, 2016, 93, .	4.7	14
113	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
114	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
115	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€“(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
116	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
117	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
118	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,701
119	Modeling the source of GW150914 with targeted numerical-relativity simulations. Classical and Quantum Gravity, 2016, 33, 244002.	4.0	67
120	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .	8.9	898
121	The first gravitational-wave source from the isolated evolution of two stars in the 40â€“100 solar mass range. Nature, 2016, 534, 512-515.	27.8	712
122	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
123	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	7.8	8,753
124	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1
125	Novel scheme for rapid parallel parameter estimation of gravitational waves from compact binary coalescences. Physical Review D, 2015, 92, .	4.7	86
126	Rapid gravitational wave parameter estimation with a single spin: Systematic uncertainties in parameter estimation with the SpinTaylorF2 approximation. Physical Review D, 2015, 92, .	4.7	11

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127	Multi-timescale analysis of phase transitions in precessing black-hole binaries. <i>Physical Review D</i> , 2015, 92, .	4.7	99
128	Precessional Instability in Binary Black Holes with Aligned Spins. <i>Physical Review Letters</i> , 2015, 115, 141102.	7.8	41
129	Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001.	4.0	943
130	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015, 91, .	4.7	37
131	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , 2015, 91, .	4.7	39
132	Effective Potentials and Morphological Transitions for Binary Black Hole Spin Precession. <i>Physical Review Letters</i> , 2015, 114, 081103.	7.8	91
133	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. <i>Physical Review D</i> , 2015, 91, .	4.7	674
134	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015, 91, .	4.7	47
135	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012.	4.0	1,029
136	Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015, 32, 074001.	4.0	1,929
137	DOUBLE COMPACT OBJECTS. III. GRAVITATIONAL-WAVE DETECTION RATES. <i>Astrophysical Journal</i> , 2015, 806, 263.	4.5	336
138	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	4.5	66
139	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7.	7.7	57
140	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .	4.7	60
141	Parameter estimation of gravitational waves from precessing black hole-neutron star inspirals with higher harmonics. <i>Physical Review D</i> , 2014, 89, .	4.7	44
142	Parameter estimation of gravitational waves from nonprecessing black hole-neutron star inspirals with higher harmonics: Comparing Markov-chain Monte-Carlo posteriors to an effective Fisher matrix. <i>Physical Review D</i> , 2014, 89, .	4.7	36
143	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	7.8	68
144	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101.	7.8	86

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145	Single-spin precessing gravitational waveform in closed form. <i>Physical Review D</i> , 2014, 89, .	4.7	40
146	Accurate and efficient waveforms for compact binaries on eccentric orbits. <i>Physical Review D</i> , 2014, 90, .	4.7	94
147	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. <i>Physical Review D</i> , 2014, 89, .	4.7	50
148	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. <i>Physical Review D</i> , 2014, 90, .	4.7	29
149	Implementation of an $F$ -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , 2014, 31, 165014.	4.0	34
150	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
151	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , 2014, 31, 085014.	4.0	21
152	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. <i>Classical and Quantum Gravity</i> , 2014, 31, 115004.	4.0	42
153	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. <i>Physical Review D</i> , 2014, 89, .	4.7	28
154	Search for Gravitational Waves Associated with $\gamma$ -ray Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102.	7.8	32
155	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. <i>Physical Review D</i> , 2014, 89, .	4.7	35
156	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. <i>Physical Review D</i> , 2014, 89, .	4.7	29
157	A more effective coordinate system for parameter estimation of precessing compact binaries from gravitational waves. <i>Physical Review D</i> , 2014, 90, .	4.7	26
158	Distinguishing black-hole spin-orbit resonances by their gravitational-wave signatures. <i>Physical Review D</i> , 2014, 89, .	4.7	39
159	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. <i>Physical Review D</i> , 2013, 87, .	4.7	92
160	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013, 88, .	4.7	31
161	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	31.4	825
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