Chunnong Zhao

List of Publications by Year
in descending order

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321 papers	67,837 citations	2993 90 h-index	552 258 g-index
331 all docs	331 docs citations	331 times ranked	20035 citing authors

#	Article	IF	Citations
1	Search for Gravitational-wave Transients Associated with Magnetar Bursts in Advanced LIGO and Advanced Virgo Data from the Third Observing Run. Astrophysical Journal, 2024, 966, 137.	4.6	1
2	Search for Gravitational-lensing Signatures in the Full Third Observing Run of the LIGOâ€“Virgo Network. Astrophysical Journal, 2024, 970, 191.	4.6	0
3	Observation of Gravitational Waves from the Coalescence of a 2.5â€“4.5 M _{âŠ™} Compact Object and a Neutron Star. Astrophysical Journal Letters, 2024, 970, L34.	8.5	0
4	Ultralight vector dark matter search using data from the KAGRA O3GK run. Physical Review D, 2024, 110, .	4.7	0
5	Precision mapping of a silicon test mass birefringence. Applied Physics Letters, 2023, 122, .	3.2	2
6	Design of a tabletop interferometer with quantum amplification. Physical Review A, 2023, 107, .	2.5	0
7	Constraints on the Cosmic Expansion History from GWTCâ€“3. Astrophysical Journal, 2023, 949, 76.	4.6	78
8	Optical spring effect enhanced by optical parametric amplifier. Applied Physics Letters, 2023, 122, .	3.2	2
9	Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO. Astrophysical Journal, Supplement Series, 2023, 267, 29.	8.1	97
10	Observing the optical modes of parametric instability. Optics Letters, 2022, 47, 1685.	3.3	2
11	Parametric instability in the neutron star extreme matter observatory. Classical and Quantum Gravity, 2022, 39, 085007.	3.9	1
12	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.2	27
13	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs. Astrophysical Journal, 2022, 935, 1.	4.6	40
14	High mechanical Q-factor measurement of Si using a 3D cantilever support. Review of Scientific Instruments, 2022, 93, 104501.	1.4	0
15	Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data. Astrophysical Journal Letters, 2022, 941, L30.	8.5	8
16	Pump RIN coupling to frequency noise of a polarization-maintaining 2 Âµm single frequency fiber laser. Optics Express, 2021, 29, 3221.	3.3	11
17	Gravitational wave detectors with broadband high frequency sensitivity. Communications Physics, 2021, 4, .	5.2	28
18	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.6	167

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19	Broadband sensitivity improvement via coherent quantum feedback with PT-symmetry. , 2021, , .		2
20	2 Âμm ultra-low relative intensity noise and frequency noise of single frequency fiber laser for next-generation gravitational wave detectors. , 2021, , .		0
21	Two dimensional photonic crystal angle sensor design. Optics Express, 2021, 29, 15413.	3.3	3
22	A multi-orientation low-frequency rotational accelerometer. Review of Scientific Instruments, 2021, 92, 064503.	1.4	8
23	Revealing optical loss from modal frequency degeneracy in a long optical cavity. Optics Express, 2021, 29, 23902.	3.3	3
24	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	27.1	512
25	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	4.6	14
26	GW190521: A Binary Black Hole Merger with a Total Mass of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>150</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:msub><mml:mrow></mml:mrow><mml:mo stretchy="false">âŠ™</mml:mo></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 101102.	7.8	928
27	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, .	4.7	431
28	Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. Publications of the Astronomical Society of Australia, 2020, 37, .	3.6	130
29	Contoured thermal deformation of mirror surface for detuning parametric instability in an optical cavity. Classical and Quantum Gravity, 2020, 37, 125003.	3.9	2
30	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. Astrophysical Journal Letters, 2020, 896, L44.	8.5	1,191
31	GW190425: Observation of a Compact Binary Coalescence with Total MassÂâˆ¼Â3.4 M_{âŠ™}. Astrophysical Journal Letters, 2020, 892, L3.	8.5	1,136
32	Model comparison from LIGOâ€“Virgo data on GW170817â€™s binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006.	3.9	114
33	A guide to LIGOâ€“Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.	3.9	214
34	Designing arm cavities free of parametric instability for gravitational wave detectors. Classical and Quantum Gravity, 2020, 37, 075015.	3.9	1
35	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. Physical Review D, 2020, 101, .	4.7	76
36	A cryogenic silicon interferometer for gravitational-wave detection. Classical and Quantum Gravity, 2020, 37, 165003.	3.9	135

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37	5 W ultra-low-noise 2 Âµm single-frequency fiber laser for next-generation gravitational wave detectors. Optics Letters, 2020, 45, 4911.	3.3	35
38	Properties and Astrophysical Implications of the 150 M_{âŠ™} Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	8.5	455
39	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21.	8.5	67
40	Double end-mirror sloshing cavity for optical dilution of thermal noise in mechanical resonators. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1643.	2.0	1
41	Optimization of pump scheme for low frequency noise 2 Î¼m polarization-maintaining single frequency fiber laser. , 2020, , .		0
42	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. Physical Review D, 2019, 99, .	4.7	64
43	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€“2017 LIGO Data. Astrophysical Journal, 2019, 879, 10.	4.6	94
44	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. Physical Review D, 2019, 100, .	4.7	105
45	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. Physical Review D, 2019, 100, .	4.7	59
46	Tests of General Relativity with GW170817. Physical Review Letters, 2019, 123, 011102.	7.8	419
47	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. Astrophysical Journal, 2019, 883, 149.	4.6	81
48	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. Physical Review D, 2019, 100, .	4.7	56
49	Search for Subsolar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. Physical Review Letters, 2019, 123, 161102.	7.8	130
50	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. Astrophysical Journal Letters, 2019, 882, L24.	8.5	599
51	Directional limits on persistent gravitational waves using data from Advanced LIGOâ€™s first two observing runs. Physical Review D, 2019, 100, .	4.7	55
52	Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, .	4.7	84
53	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. Physical Review X, 2019, 9, .	8.9	2,190
54	Search for the isotropic stochastic background using data from Advanced LIGOâ€™s second observing run. Physical Review D, 2019, 100, .	4.7	213

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55	A laser walk-off sensor for high-precision low-frequency rotation measurements. Review of Scientific Instruments, 2019, 90, 045005.	1.4	8
56	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. Physical Review D, 2019, 99, .	4.7	23
57	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. Astrophysical Journal, 2019, 870, 134.	4.6	32
58	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. Astrophysical Journal, 2019, 871, 90.	4.6	31
59	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO[*]. Astrophysical Journal, 2019, 875, 122.	4.6	63
60	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160.	4.6	100
61	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. Astrophysical Journal Letters, 2019, 876, L7.	8.5	192
62	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161.	4.6	78
63	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. Astrophysical Journal, 2019, 874, 163.	4.6	32
64	Constraining the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math> -Modeâ€“ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi></mml:math> -Mode Tidal Instability with GW170817. Physical Review Letters, 2019, 122, 061104.	7.8	39
65	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. Physical Review D, 2019, 100, .	4.7	532
66	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. Astrophysical Journal, 2019, 886, 75.	4.6	31
67	Properties of the Binary Neutron Star Merger GW170817. Physical Review X, 2019, 9, .	8.9	788
68	Tilt interferometer for detecting gravitational wave signals at high frequencies. , 2019, , .		0
69	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGOâ€™s first observing run. Classical and Quantum Gravity, 2018, 35, 065010.	3.9	103
70	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101.	7.8	179
71	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. Classical and Quantum Gravity, 2018, 35, 065009.	3.9	19
72	First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104.	7.8	70

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73	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	27.1	858
74	Ultra-low dissipation resonators for improving the sensitivity of gravitational wave detectors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2174-2180.	2.2	6
75	Angular instability in high optical power suspended cavities. Review of Scientific Instruments, 2018, 89, 124503.	1.4	4
76	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103.	7.8	83
77	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,622
78	Host galaxy identification for binary black hole mergers with long baseline gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4385-4395.	4.5	6
79	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	89
80	Suppression of thermal transients in advanced LIGO interferometers using CO ₂ laser preheating. Classical and Quantum Gravity, 2018, 35, 115006.	3.9	3
81	The Asia-Australia Gravitational Wave Detector Concept. , 2018, , .		0
82	Modular suspension system with low acoustic coupling to the suspended test mass in a prototype gravitational wave detector. Review of Scientific Instruments, 2018, 89, 074501.	1.4	4
83	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, .	4.7	47
84	Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, .	4.7	92
85	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 1.	27.1	2
86	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	3.9	793
87	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	4.7	74
88	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	3.9	102
89	Proposal for gravitational-wave detection beyond the standard quantum limit through EPRÂentanglement. Nature Physics, 2017, 13, 776-780.	11.5	106
90	Preventing transient parametric instabilities in high power gravitational wave detectors using thermal transient compensation. Classical and Quantum Gravity, 2017, 34, 145014.	3.9	2

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91	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	4.7	75
92	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	208
93	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	87
94	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.6	138
95	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	72
96	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,648
97	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47.	4.6	47
98	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	35.3	726
99	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	7.8	6,841
100	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.5	2,971
101	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	8.5	2,449
102	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .	4.7	77
103	All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .	4.7	67
104	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.	4.6	53
105	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	4.7	40
106	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102.	7.8	25
107	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	8.5	196
108	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39.	8.5	163

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109	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.5	143
110	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	7.8	2,045
111	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. Physical Review D, 2017, 95, .	4.7	19
112	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. Physical Review D, 2017, 95, .	4.7	62
113	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	4.7	50
114	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, .	4.7	61
115	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.5	75
116	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	8.5	994
117	Study of parametric instability in gravitational wave detectors with silicon test masses. Classical and Quantum Gravity, 2017, 34, 055006.	3.9	4
118	Thermal modulation for suppression of parametric instability in advanced gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 135001.	3.9	1
119	First direct detection of gravitational waves. National Science Review, 2017, 4, 681-682.	9.2	1
120	Towards thermal noise free optomechanics. Journal Physics D: Applied Physics, 2016, 49, 455104.	2.9	9
121	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	3.9	241
122	SUPPLEMENT: â€œTHE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914â€•(2016, ApJL, 833, L1). Astrophysical Journal, Supplement Series, 2016, 227, 14.	8.1	65
123	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	27.1	435
124	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	8.9	109
125	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. Physical Review D, 2016, 94, .	4.7	31
126	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	8.5	237

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127	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	8.5	214
128	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. Physical Review D, 2016, 94, .	4.7	36
129	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. Physical Review D, 2016, 94, .	4.7	61
130	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARâ€“BLACK HOLE MERGERS FROM ADVANCED LIGOâ€™S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	8.5	147
131	Directly comparing GW150914 with numerical solutions of Einsteinâ€™s equations for binary black hole coalescence. Physical Review D, 2016, 94, .	4.7	108
132	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	4.7	29
133	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. Physical Review D, 2016, 93, .	4.7	18
134	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	4.7	32
135	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	4.7	337
136	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007â€“2013. Physical Review D, 2016, 93, .	4.7	15
137	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	4.7	92
138	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	284
139	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	495
140	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	8.1	45
141	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	4.7	130
142	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,297
143	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	719
144	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,783

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145	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .	8.9	934
146	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.5	658
147	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	7.8	9,336
148	Quantum noise of a white-light cavity using a double-pumped gain medium. Physical Review A, 2015, 92, .	2.5	14
149	Parametric instability in long optical cavities and suppression by dynamic transverse mode frequency modulation. Physical Review D, 2015, 91, .	4.7	21
150	Enhancing the Bandwidth of Gravitational-Wave Detectors with Unstable Optomechanical Filters. Physical Review Letters, 2015, 115, 211104.	7.8	66
151	Gravitational wave astronomy: the current status. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.4	26
152	The development of ground based gravitational wave astronomy and opportunities for Australiaâ€“China collaboration. International Journal of Modern Physics A, 2015, 30, 1545019.	1.4	0
153	The next detectors for gravitational wave astronomy. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.4	24
154	Extraction of energy from gravitational waves by laser interferometer detectors. Classical and Quantum Gravity, 2015, 32, 015003.	3.9	2
155	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. Physical Review D, 2015, 91, .	4.7	40
156	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. Physical Review D, 2015, 91, .	4.7	42
157	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, .	4.7	48
158	Observation of Parametric Instability in Advanced LIGO. Physical Review Letters, 2015, 114, 161102.	7.8	91
159	Observation of three-mode parametric instability. Physical Review A, 2015, 91, .	2.5	19
160	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	3.9	1,064
161	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	3.9	2,117
162	Linear negative dispersion with a gain doublet via optomechanical interactions. Optics Letters, 2015, 40, 2337.	3.3	8

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163	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	4.6	66
164	Time evolution of parametric instability in large-scale gravitational-wave interferometers. Physical Review D, 2014, 90, .	4.7	10
165	Three mode interactions as a precision monitoring tool for advanced laser interferometers. Classical and Quantum Gravity, 2014, 31, 185003.	3.9	3
166	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	8.1	59
167	First all-sky search for continuous gravitational waves from unknown sources in binary systems. Physical Review D, 2014, 90, .	4.7	60
168	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	7.8	68
169	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101.	7.8	87
170	Narrowing the Filter-Cavity Bandwidth in Gravitational-Wave Detectors via Optomechanical Interaction. Physical Review Letters, 2014, 113, 151102.	7.8	55
171	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. Physical Review D, 2014, 90, .	4.7	29
172	Near-self-imaging cavity for three-mode optoacoustic parametric amplifiers using silicon microresonators. Applied Optics, 2014, 53, 841.	1.8	3
173	Three mode interaction noise in laser interferometer gravitational wave detectors. Classical and Quantum Gravity, 2014, 31, 145002.	3.9	3
174	Classical demonstration of frequency-dependent noise ellipse rotation using optomechanically induced transparency. Physical Review A, 2014, 89, .	2.5	16
175	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	3.9	35
176	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	4.6	129
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