# Chunnong Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/394976/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 318 papers | 64,662 citations | 3515 90 h-index | 718 252 g-index |
| 323 all docs | 323 docs citations | 323 times ranked | 18398 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102. | 2.9 | 8,753 |
| 2 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101. | 2.9 | 6,413 |
| 3 | Multi-messenger Observations of a Binary Neutron Star Merger<sup>*</sup>. Astrophysical Journal Letters, 2017, 848, L12. | 3.0 | 2,805 |
| 4 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103. | 2.9 | 2,701 |
| 5 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13. | 3.0 | 2,314 |
| 6 | 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, . | 2.8 | 2,022 |
| 7 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101. | 2.9 | 1,987 |
| 8 | Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001. | 1.5 | 1,929 |
| 9 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101. | 2.9 | 1,600 |
| 10 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101. | 2.9 | 1,473 |
| 11 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101. | 2.9 | 1,224 |
| 12 | 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. | 3.0 | 1,090 |
| 13 | GW190425: Observation of a Compact Binary Coalescence with Total MassÂâˆ¼Â3.4 M<sub>âŠ™</sub>. Astrophysical Journal Letters, 2020, 892, L3. | 3.0 | 1,049 |
| 14 | Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012. | 1.5 | 1,029 |
| 15 | LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901. | 8.1 | 971 |
| 16 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35. | 3.0 | 968 |
| 17 | Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001. | 1.5 | 956 |
| 18 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, . | 2.8 | 898 |

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| 19 | 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:mo stretchy="false">â„™</mml:mo></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 101102. | 8.6 | 836 |
| 20 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619. | 15.6 | 825 |
| 21 | 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 |
| 22 | Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001. | 1.5 | 735 |
| 23 | Properties of the Binary Neutron Star Merger GW170817. Physical Review X, 2019, 9, . | 2.8 | 728 |
| 24 | A gravitational wave observatory operating beyond the quantum shot-noise limit. Nature Physics, 2011, 7, 962-965. | 6.5 | 716 |
| 25 | A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88. | 13.7 | 674 |
| 26 | Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102. | 2.9 | 673 |
| 27 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22. | 3.0 | 633 |
| 28 | 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. | 3.0 | 566 |
| 29 | Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. Physical Review D, 2019, 100, . | 1.6 | 470 |
| 30 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103. | 2.9 | 466 |
| 31 | 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 |
| 32 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1. | 8.2 | 427 |
| 33 | Properties and Astrophysical Implications of the 150 M<sub>âŠ™</sub> Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13. | 3.0 | 406 |
| 34 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, . | 1.6 | 394 |
| 35 | Tests of General Relativity with GW170817. Physical Review Letters, 2019, 123, 011102. | 2.9 | 370 |
| 36 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, . | 1.6 | 315 |

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| 37 | An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994. | 13.7 | 303 |
| 38 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102. | 2.9 | 269 |
| 39 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1. | 3.0 | 230 |
| 40 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001. | 1.5 | 225 |
| 41 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13. | 3.0 | 210 |
| 42 | Search for the isotropic stochastic background using data from Advanced LIGOâ€™s second observing run. Physical Review D, 2019, 100, . | 1.6 | 200 |
| 43 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101. | 2.9 | 194 |
| 44 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16. | 3.0 | 189 |
| 45 | A guide to LIGOâ€“Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002. | 1.5 | 188 |
| 46 | Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, . | 1.6 | 185 |
| 47 | 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. | 3.0 | 179 |
| 48 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101. | 2.9 | 166 |
| 49 | Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49. | 1.6 | 160 |
| 50 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39. | 3.0 | 156 |
| 51 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685. | 1.6 | 155 |
| 52 | 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. | 3.0 | 146 |
| 53 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218. | 1.6 | 144 |
| 54 | Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430. | 1.6 | 143 |

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| 55 | 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. | 3.0 | 135 |
| 56 | Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, . | 1.6 | 132 |
| 57 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12. | 1.6 | 131 |
| 58 | Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, . | 1.6 | 128 |
| 59 | Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. Physical Review D, 2008, 77, . | 1.6 | 126 |
| 60 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119. | 1.6 | 125 |
| 61 | Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032. | 1.2 | 123 |
| 62 | Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, . | 1.6 | 121 |
| 63 | Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930. | 1.6 | 120 |
| 64 | Search for gravitational waves from low mass binary coalescences in the first year of LIGOâ€™s S5 data. Physical Review D, 2009, 79, . | 1.6 | 120 |
| 65 | Calibration of the LIGO gravitational wave detectors in the fifth science run. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 223-240. | 0.7 | 120 |
| 66 | A cryogenic silicon interferometer for gravitational-wave detection. Classical and Quantum Gravity, 2020, 37, 165003. | 1.5 | 120 |
| 67 | Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, . | 1.6 | 119 |
| 68 | Search for Subsolar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. Physical Review Letters, 2019, 123, 161102. | 2.9 | 119 |
| 69 | Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. Publications of the Astronomical Society of Australia, 2020, 37, . | 1.3 | 114 |
| 70 | Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. Physical Review D, 2010, 82, . | 1.6 | 111 |
| 71 | All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, . | 1.6 | 110 |
| 72 | Model comparison from LIGOâ€“Virgo data on GW170817â€™s binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006. | 1.5 | 109 |

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| 74 | All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, . | 1.6 | 107 |
| 75 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, . | 2.8 | 106 |
| 76 | Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, . | 1.6 | 105 |
| 77 | FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513. | 1.6 | 104 |
| 78 | SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12. | 1.6 | 104 |
| 79 | Directly comparing GW150914 with numerical solutions of Einsteinâ€™s equations for binary black hole coalescence. Physical Review D, 2016, 94, . | 1.6 | 102 |
| 80 | All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. Physical Review D, 2019, 100, . | 1.6 | 102 |
| 81 | Proposal for gravitational-wave detection beyond the standard quantum limit through EPRÂentanglement. Nature Physics, 2017, 13, 776-780. | 6.5 | 101 |
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| 83 | Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160. | 1.6 | 97 |
| 84 | Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102. | 2.9 | 94 |
| 85 | 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. | 1.5 | 94 |
| 86 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. Physical Review D, 2013, 87, . | 1.6 | 92 |
| 87 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, . | 1.6 | 92 |
| 88 | Parametric Instabilities and Their Control in Advanced Interferometer Gravitational-Wave Detectors. Physical Review Letters, 2005, 94, 121102. | 2.9 | 91 |
| 89 | Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, . | 1.6 | 91 |
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| 92 | BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93. | 1.6 | 89 |
| 93 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, . | 1.6 | 88 |
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| 96 | Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101. | 2.9 | 86 |
| 97 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, . | 1.6 | 85 |
| 98 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102. | 2.9 | 85 |
| 99 | Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102. | 2.9 | 84 |
| 100 | Implementation and testing of the first prompt search forÂgravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124. | 2.1 | 84 |
| 101 | All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102. | 2.9 | 83 |
| 102 | Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, . | 1.6 | 83 |
| 103 | Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, . | 1.6 | 79 |
| 104 | Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369. | 1.5 | 78 |
| 105 | Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, . | 1.6 | 78 |
| 106 | Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, . | 1.6 | 78 |
| 107 | Detection of gravitational waves. Reports on Progress in Physics, 2000, 63, 1317-1427. | 8.1 | 77 |
| 108 | Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103. | 2.9 | 77 |

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| 109 | First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155. | 2.1 | 75 |
| 110 | The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002. | 1.5 | 73 |
| 111 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, . | 1.6 | 73 |
| 112 | On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40. | 3.0 | 73 |
| 113 | Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, . | 1.6 | 72 |
| 114 | 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. | 1.6 | 72 |
| 115 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161. | 1.6 | 71 |
| 116 | Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102. | 2.9 | 69 |
| 117 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, . | 1.6 | 69 |
| 118 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209. | 0.9 | 69 |
| 119 | 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, . | 1.6 | 69 |
| 120 | Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101. | 2.9 | 68 |
| 121 | First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104. | 2.9 | 68 |
| 122 | All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, . | 1.6 | 66 |
| 123 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39. | 1.6 | 66 |
| 124 | Directed search for continuous gravitational waves from the Galactic center. Physical Review D, 2013, 88, . | 1.6 | 65 |
| 125 | Enhancing the Bandwidth of Gravitational-Wave Detectors with Unstable Optomechanical Filters. Physical Review Letters, 2015, 115, 211104. | 2.9 | 65 |
| 126 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21. | 3.0 | 65 |

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| 127 | All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, . | 1.6 | 64 |
| 128 | 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. | 3.0 | 63 |
| 129 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28. | 3.0 | 62 |
| 130 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO<sup>*</sup>. Astrophysical Journal, 2019, 875, 122. | 1.6 | 61 |
| 131 | Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. Physical Review D, 2008, 77, . | 1.6 | 60 |
| 132 | SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. Astrophysical Journal, 2010, 715, 1438-1452. | 1.6 | 60 |
| 133 | IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2. | 1.6 | 60 |
| 134 | First all-sky search for continuous gravitational waves from unknown sources in binary systems. Physical Review D, 2014, 90, . | 1.6 | 60 |
| 135 | First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. Physical Review D, 2016, 94, . | 1.6 | 60 |
| 136 | First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, . | 1.6 | 60 |
| 137 | Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. Physical Review D, 2019, 99, . | 1.6 | 60 |
| 138 | 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, . | 1.6 | 59 |
| 139 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7. | 3.0 | 57 |
| 140 | SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35. | 3.0 | 55 |
| 141 | Multiple modes contributions to parametric instabilities in advanced laser interferometer gravitational wave detectors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 360-365. | 0.9 | 54 |
| 142 | Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. Physical Review D, 2008, 78, . | 1.6 | 54 |
| 143 | Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. Physical Review D, 2011, 83, . | 1.6 | 54 |
| 144 | All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. Physical Review D, 2019, 100, . | 1.6 | 54 |

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| 145 | 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 |
| 146 | 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, . | 1.6 | 52 |
| 147 | Directional limits on persistent gravitational waves using data from Advanced LIGOâ€™s first two observing runs. Physical Review D, 2019, 100, . | 1.6 | 52 |
| 148 | Search for gravitational wave radiation associated with the pulsating tail of the SGR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1806</mml:mn><mml:mo>â^’</mml:mo><mml:mn>20</mml:mn></mml:math>hyperflare of 27 December 2004 using LIGO. Physical Review D, 2007, 76, . | 1.6 | 51 |
| 149 | Narrowing the Filter-Cavity Bandwidth in Gravitational-Wave Detectors via Optomechanical Interaction. Physical Review Letters, 2014, 113, 151102. | 2.9 | 51 |
| 150 | Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, . | 1.6 | 48 |
| 151 | Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, . | 1.6 | 47 |
| 152 | First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, . | 1.6 | 47 |
| 153 | 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. | 1.6 | 46 |
| 154 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, . | 1.6 | 46 |
| 155 | First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, . | 1.6 | 45 |
| 156 | STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74. | 1.6 | 45 |
| 157 | Observation of Gravitational Waves from a Binary Black Hole Merger. , 2017, , 291-311. | | 45 |
| 158 | SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8. | 3.0 | 44 |
| 159 | Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÂHz. Physical Review D, 2012, 85, . | 1.6 | 43 |
| 160 | The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004. | 1.5 | 42 |
| 161 | Three-Mode Optoacoustic Parametric Amplifier: A Tool for Macroscopic Quantum Experiments. Physical Review Letters, 2009, 102, 243902. | 2.9 | 41 |
| 162 | Compensation of Strong Thermal Lensing in High-Optical-Power Cavities. Physical Review Letters, 2006, 96, 231101. | 2.9 | 40 |

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