

Jan Harms

List of Publications by Year in descending order

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282
papers

65,566
citations

3325

91
h-index

677

254
g-index

289
all docs

289
docs citations

289
times ranked

18401
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016, 116, 061102. | 2.9 | 8,753 |
| 2 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101. | 2.9 | 6,413 |
| 3 | Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12. | 3.0 | 2,805 |
| 4 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016, 116, 241103. | 2.9 | 2,701 |
| 5 | Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001. | 1.5 | 2,530 |
| 6 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13. | 3.0 | 2,314 |
| 7 | GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 2,022 |
| 8 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101. | 2.9 | 1,987 |
| 9 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017, 119, 141101. | 2.9 | 1,600 |
| 10 | GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101. | 2.9 | 1,473 |
| 11 | Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016, 116, 221101. | 2.9 | 1,224 |
| 12 | The Einstein Telescope: a third-generation gravitational wave observatory. <i>Classical and Quantum Gravity</i> , 2010, 27, 194002. | 1.5 | 1,211 |
| 13 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012. | 1.5 | 1,029 |
| 14 | LIGO: the Laser Interferometer Gravitational-Wave Observatory. <i>Reports on Progress in Physics</i> , 2009, 72, 076901. | 8.1 | 971 |
| 15 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35. | 3.0 | 968 |
| 16 | Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010, 27, 173001. | 1.5 | 956 |
| 17 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016, 6, . | 2.8 | 898 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3. | 8.2 | 808 |
| 20 | Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017, 34, 044001. | 1.5 | 735 |
| 21 | Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 728 |
| 22 | A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , 2011, 7, 962-965. | 6.5 | 716 |
| 23 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88. | 13.7 | 674 |
| 24 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102. | 2.9 | 673 |
| 25 | Sensitivity studies for third-generation gravitational wave observatories. <i>Classical and Quantum Gravity</i> , 2011, 28, 094013. | 1.5 | 644 |
| 26 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22. | 3.0 | 633 |
| 27 | 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. | 3.0 | 566 |
| 28 | Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 27. | 3.0 | 526 |
| 29 | Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 470 |
| 30 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103. | 2.9 | 466 |
| 31 | 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 |
| 32 | Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102. | 2.9 | 370 |
| 33 | Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012, 29, 124013. | 1.5 | 355 |
| 34 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 315 |
| 35 | An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009, 460, 990-994. | 13.7 | 303 |
| 36 | The third generation of gravitational wave observatories and their science reach. <i>Classical and Quantum Gravity</i> , 2010, 27, 084007. | 1.5 | 287 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102. | 2.9 | 269 |
| 38 | Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108. | 2.9 | 254 |
| 39 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1. | 3.0 | 230 |
| 40 | 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 |
| 41 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13. | 3.0 | 210 |
| 42 | Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 200 |
| 43 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101. | 2.9 | 194 |
| 44 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16. | 3.0 | 189 |
| 45 | A guide to LIGO's "Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002. | 1.5 | 188 |
| 46 | Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. <i>Physical Review D</i> , 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 Binary's "Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7. | 3.0 | 179 |
| 48 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101. | 2.9 | 166 |
| 49 | Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. <i>Astrophysical Journal</i> , 2008, 683, L45-L49. | 1.6 | 160 |
| 50 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39. | 3.0 | 156 |
| 51 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010, 713, 671-685. | 1.6 | 155 |
| 52 | Big Bang Observer and the neutron-star-binary subtraction problem. <i>Physical Review D</i> , 2006, 73, . | 1.6 | 154 |
| 53 | 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. | 3.0 | 146 |
| 54 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13. | 3.0 | 145 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Implications for the Origin of GRB 070201 from LIGO Observations. <i>Astrophysical Journal</i> , 2008, 681, 1419-1430. | 1.6 | 143 |
| 56 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35. | 3.0 | 135 |
| 57 | The GEO-HF project. <i>Classical and Quantum Gravity</i> , 2006, 23, S207-S214. | 1.5 | 133 |
| 58 | The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244. | 1.2 | 133 |
| 59 | Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 132 |
| 60 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12. | 1.6 | 131 |
| 61 | Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. <i>Physical Review Letters</i> , 2005, 94, 181103. | 2.9 | 130 |
| 62 | Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. <i>Physical Review D</i> , 2007, 76, . | 1.6 | 128 |
| 63 | Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 126 |
| 64 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119. | 1.6 | 125 |
| 65 | Status of the GEO600 detector. <i>Classical and Quantum Gravity</i> , 2006, 23, S71-S78. | 1.5 | 123 |
| 66 | Observation of a kilogram-scale oscillator near its quantum ground state. <i>New Journal of Physics</i> , 2009, 11, 073032. | 1.2 | 123 |
| 67 | Upper limits on gravitational wave emission from 78 radio pulsars. <i>Physical Review D</i> , 2007, 76, . | 1.6 | 121 |
| 68 | Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. <i>Astrophysical Journal</i> , 2007, 659, 918-930. | 1.6 | 120 |
| 69 | 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 |
| 70 | Calibration of the LIGO gravitational wave detectors in the fifth science run. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 624, 223-240. | 0.7 | 120 |
| 71 | A cryogenic silicon interferometer for gravitational-wave detection. <i>Classical and Quantum Gravity</i> , 2020, 37, 165003. | 1.5 | 120 |
| 72 | Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 119 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102. | 2.9 | 119 |
| 74 | Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , 2010, 82, . | 1.6 | 111 |
| 75 | All-sky search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 110 |
| 76 | Model comparison from LIGO-Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020, 37, 045006. | 1.5 | 109 |
| 77 | 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 |
| 78 | All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012, 85, . | 1.6 | 107 |
| 79 | Squeezed-input, optical-spring, signal-recycled gravitational-wave detectors. <i>Physical Review D</i> , 2003, 68, . | 1.6 | 106 |
| 80 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, . | 2.8 | 106 |
| 81 | 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 |
| 82 | FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513. | 1.6 | 104 |
| 83 | SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , 2012, 760, 12. | 1.6 | 104 |
| 84 | Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 102 |
| 85 | All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 102 |
| 86 | Proposal for gravitational-wave detection beyond the standard quantum limit through EPR entanglement. <i>Nature Physics</i> , 2017, 13, 776-780. | 6.5 | 101 |
| 87 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002. | 1.5 | 98 |
| 88 | Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160. | 1.6 | 97 |
| 89 | Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. <i>Physical Review Letters</i> , 2011, 107, 271102. | 2.9 | 94 |
| 90 | Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065010. | 1.5 | 94 |

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|-----|---|-----|-----------|
| 91 | 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, . | 1.6 | 92 |
| 92 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 92 |
| 93 | Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013, 87, . | 1.6 | 91 |
| 94 | Upper limit map of a background of gravitational waves. <i>Physical Review D</i> , 2007, 76, . | 1.6 | 90 |
| 95 | 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 |
| 96 | BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011, 737, 93. | 1.6 | 89 |
| 97 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 88 |
| 98 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10. | 1.6 | 88 |
| 99 | Realistic filter cavities for advanced gravitational wave detectors. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 86 |
| 100 | Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009–2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101. | 2.9 | 86 |
| 101 | Status of GEO 600. <i>Classical and Quantum Gravity</i> , 2004, 21, S417-S423. | 1.5 | 85 |
| 102 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown. <i>Physical Review D</i> , 2011, 83, . | 1.6 | 85 |
| 103 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102. | 2.9 | 85 |
| 104 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102. | 2.9 | 84 |
| 105 | Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 539, A124. | 2.1 | 84 |
| 106 | All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. <i>Physical Review Letters</i> , 2009, 102, 111102. | 2.9 | 83 |
| 107 | Einstein@Home search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , 2009, 79, . | 1.6 | 83 |
| 108 | Subtraction of Newtonian noise using optimized sensor arrays. <i>Physical Review D</i> , 2012, 86, . | 1.6 | 83 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. <i>Physical Review D</i> , 2005, 72, . | 1.6 | 79 |
| 110 | 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 |
| 111 | Search for gravitational-wave bursts in LIGO data from the fourth science run. <i>Classical and Quantum Gravity</i> , 2007, 24, 5343-5369. | 1.5 | 78 |
| 112 | Einstein@Home search for periodic gravitational waves in early S5 LIGO data. <i>Physical Review D</i> , 2009, 80, . | 1.6 | 78 |
| 113 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103. | 2.9 | 77 |
| 114 | Search for gravitational waves from binary black hole inspirals in LIGO data. <i>Physical Review D</i> , 2006, 73, . | 1.6 | 75 |
| 115 | First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 541, A155. | 2.1 | 75 |
| 116 | Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors. <i>Physical Review D</i> , 2005, 72, . | 1.6 | 74 |
| 117 | Squeezed vacuum states of light for gravitational wave detectors. <i>Reports on Progress in Physics</i> , 2019, 82, 016905. | 8.1 | 74 |
| 118 | The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002. | 1.5 | 73 |
| 119 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 73 |
| 120 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40. | 3.0 | 73 |
| 121 | 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. | 1.6 | 72 |
| 122 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161. | 1.6 | 71 |
| 123 | Low-frequency terrestrial gravitational-wave detectors. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 70 |
| 124 | Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. <i>Physical Review Letters</i> , 2008, 101, 211102. | 2.9 | 69 |
| 125 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 69 |
| 126 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209. | 0.9 | 69 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101. | 2.9 | 68 |
| 128 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104. | 2.9 | 68 |
| 129 | All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012, 85, . | 1.6 | 66 |
| 130 | Terrestrial Gravity Fluctuations. <i>Living Reviews in Relativity</i> , 2015, 18, 3. | 8.2 | 66 |
| 131 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39. | 1.6 | 66 |
| 132 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 65 |
| 133 | All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 64 |
| 134 | SUPPLEMENT: "THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914" (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 14. | 3.0 | 63 |
| 135 | ELGAR "a European Laboratory for Gravitation and Atom-interferometric Research. <i>Classical and Quantum Gravity</i> , 2020, 37, 225017. | 1.5 | 63 |
| 136 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28. | 3.0 | 62 |
| 137 | Prompt gravity signal induced by the 2011 Tohoku-Oki earthquake. <i>Nature Communications</i> , 2016, 7, 13349. | 5.8 | 61 |
| 138 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019, 875, 122. | 1.6 | 61 |
| 139 | Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 60 |
| 140 | SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. <i>Astrophysical Journal</i> , 2010, 715, 1438-1452. | 1.6 | 60 |
| 141 | IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 2. | 1.6 | 60 |
| 142 | First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 60 |
| 143 | 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, . | 1.6 | 60 |
| 144 | First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 60 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 60 |
| 146 | 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, . | 1.6 | 59 |
| 147 | Upper limits on gravitational wave bursts in LIGO's second science run. <i>Physical Review D</i> , 2005, 72, . | 1.6 | 57 |
| 148 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7. | 3.0 | 57 |
| 149 | SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011, 734, L35. | 3.0 | 55 |
| 150 | Terrestrial gravity fluctuations. <i>Living Reviews in Relativity</i> , 2019, 22, 1. | 8.2 | 55 |
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