

List of Publications by Year
in descending order

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Version: 2024-02-01

258
papers

35,779
citations

14655
66
h-index

3106
187
g-index

264
all docs

264
docs citations

264
times ranked

14901
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Parametric instability in the neutron star extreme matter observatory. Classical and Quantum Gravity, 2022, 39, 085007. | 4.0 | 1 |
| 2 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, . | 6.6 | 20 |
| 3 | Acoustic and vibration isolation for a gravity gradiometer. Review of Scientific Instruments, 2022, 93, 064502. | 1.3 | 1 |
| 4 | Six degrees of freedom vibration isolation with Euler springs. Review of Scientific Instruments, 2021, 92, 025122. | 1.3 | 7 |
| 5 | Gravitational wave detectors with broadband high frequency sensitivity. Communications Physics, 2021, 4, . | 5.3 | 26 |
| 6 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218. | 4.5 | 144 |
| 7 | A multi-orientation low-frequency rotational accelerometer. Review of Scientific Instruments, 2021, 92, 064503. | 1.3 | 8 |
| 8 | Cat-flap micro-pendulum for low noise optomechanics. Journal Physics D: Applied Physics, 2021, 54, 035104. | 2.8 | 1 |
| 9 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3. | 26.7 | 447 |
| 10 | Contoured thermal deformation of mirror surface for detuning parametric instability in an optical cavity. Classical and Quantum Gravity, 2020, 37, 125003. | 4.0 | 1 |
| 11 | Designing arm cavities free of parametric instability for gravitational wave detectors. Classical and Quantum Gravity, 2020, 37, 075015. | 4.0 | 1 |
| 12 | Rotational isolation with neutrally buoyant suspension. Review of Scientific Instruments, 2020, 91, 054502. | 1.3 | 1 |
| 13 | 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. | 2.1 | 1 |
| 14 | A laser walk-off sensor for high-precision low-frequency rotation measurements. Review of Scientific Instruments, 2019, 90, 045005. | 1.3 | 8 |
| 15 | Characterization of a self-damped pendulum for vibration isolation. Review of Scientific Instruments, 2019, 90, 065103. | 1.3 | 0 |
| 16 | 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. | 4.5 | 32 |
| 17 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3. | 26.7 | 808 |
| 18 | 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. | 2.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Angular instability in high optical power suspended cavities. Review of Scientific Instruments, 2018, 89, 124503. | 1.3 | 3 |
| 20 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. Physical Review Letters, 2018, 121, 231103. | 7.8 | 77 |
| 21 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101. | 7.8 | 1,473 |
| 22 | 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. | 4.4 | 6 |
| 23 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102. | 7.8 | 85 |
| 24 | Suppression of thermal transients in advanced LIGO interferometers using CO ₂ laser preheating. Classical and Quantum Gravity, 2018, 35, 115006. | 4.0 | 3 |
| 25 | The Asia-Australia Gravitational Wave Detector Concept. , 2018, , . | | 0 |
| 26 | 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. | 1.3 | 4 |
| 27 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 28 | Low-frequency rotational isolator for airborne exploration. Geophysics, 2017, 82, E27-E30. | 2.6 | 3 |
| 29 | Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002. | 4.0 | 98 |
| 30 | Preventing transient parametric instabilities in high power gravitational wave detectors using thermal transient compensation. Classical and Quantum Gravity, 2017, 34, 145014. | 4.0 | 2 |
| 31 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101. | 7.8 | 194 |
| 32 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102. | 7.8 | 84 |
| 33 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12. | 4.5 | 131 |
| 34 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209. | 2.4 | 69 |
| 35 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101. | 7.8 | 1,600 |
| 36 | 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. | 4.5 | 46 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88. | 27.8 | 674 |
| 38 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101. | 7.8 | 6,413 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39. | 8.3 | 156 |
| 43 | 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 |
| 44 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40. | 8.3 | 73 |
| 45 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35. | 8.3 | 968 |
| 46 | Study of parametric instability in gravitational wave detectors with silicon test masses. <i>Classical and Quantum Gravity</i> , 2017, 34, 055006. | 4.0 | 4 |
| 47 | Thermal modulation for suppression of parametric instability in advanced gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017, 34, 135001. | 4.0 | 1 |
| 48 | Towards thermal noise free optomechanics. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 455104. | 2.8 | 9 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102. | 7.8 | 269 |
| 54 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103. | 7.8 | 466 |

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|----|---|-----|-----------|
| 55 | SUPPLEMENT: “LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914” (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8. | 7.7 | 44 |
| 56 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101. | 7.8 | 1,224 |
| 57 | Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102. | 7.8 | 673 |
| 58 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103. | 7.8 | 2,701 |
| 59 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22. | 8.3 | 633 |
| 60 | Parametric instability in long optical cavities and suppression by dynamic transverse mode frequency modulation. Physical Review D, 2015, 91, . | 4.7 | 20 |
| 61 | Gravitational wave astronomy: the current status. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1. | 5.1 | 26 |
| 62 | The development of ground based gravitational wave astronomy and opportunities for Australia–China collaboration. International Journal of Modern Physics A, 2015, 30, 1545019. | 1.5 | 0 |
| 63 | The next detectors for gravitational wave astronomy. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1. | 5.1 | 23 |
| 64 | Observation of Parametric Instability in Advanced LIGO. Physical Review Letters, 2015, 114, 161102. | 7.8 | 87 |
| 65 | Observation of three-mode parametric instability. Physical Review A, 2015, 91, . | 2.5 | 19 |
| 66 | Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012. | 4.0 | 1,029 |
| 67 | Linear negative dispersion with a gain doublet via optomechanical interactions. Optics Letters, 2015, 40, 2337. | 3.3 | 8 |
| 68 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39. | 4.5 | 66 |
| 69 | Three mode interactions as a precision monitoring tool for advanced laser interferometers. Classical and Quantum Gravity, 2014, 31, 185003. | 4.0 | 3 |
| 70 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7. | 7.7 | 57 |
| 71 | Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101. | 7.8 | 68 |
| 72 | Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009–2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101. | 7.8 | 86 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Near-self-imaging cavity for three-mode optoacoustic parametric amplifiers using silicon microresonators. Applied Optics, 2014, 53, 841. | 1.8 | 3 |
| 74 | Three mode interaction noise in laser interferometer gravitational wave detectors. Classical and Quantum Gravity, 2014, 31, 145002. | 4.0 | 3 |
| 75 | Classical demonstration of frequency-dependent noise ellipse rotation using optomechanically induced transparency. Physical Review A, 2014, 89, . | 2.5 | 16 |
| 76 | Implementation of an \mathcal{F} -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014. | 4.0 | 34 |
| 77 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119. | 4.5 | 125 |
| 78 | The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004. | 4.0 | 42 |
| 79 | Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1. | 2.0 | 2 |
| 80 | Radiation pressure excitation of test mass ultrasonic modes via three mode opto-acoustic interactions in a suspended Fabry-Pérot cavity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1970-1973. | 2.1 | 9 |
| 81 | Spectroscopy of thermally excited acoustic modes using three-mode opto-acoustic interactions in a thermally tuned Fabry-Pérot cavity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2702-2708. | 2.1 | 6 |
| 82 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619. | 31.4 | 825 |
| 83 | High performance rotational vibration isolator. Review of Scientific Instruments, 2013, 84, 105111. | 1.3 | 7 |
| 84 | High quality factor mg-scale silicon mechanical resonators for 3-mode optoacoustic parametric amplifiers. Journal of Applied Physics, 2013, 114, . | 2.5 | 6 |
| 85 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28. | 7.7 | 62 |
| 86 | The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002. | 4.0 | 73 |
| 87 | Novel Euler-LaCoste linkage as a very low frequency vertical vibration isolator. Review of Scientific Instruments, 2012, 83, 085108. | 1.3 | 6 |
| 88 | Cryogenic interferometers. , 2012, , 261-276. | | 2 |
| 89 | Thermal tuning the optical cavity for 3 mode interaction studies using a CO_2 laser. Journal of Physics: Conference Series, 2012, 363, 012018. | 0.4 | 4 |
| 90 | 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. | 4.5 | 104 |

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|-----|---|------|-----------|
| 91 | IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 2. | 4.5 | 60 |
| 92 | Publisher's Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. <i>Physical Review D</i> , 2012, 85, . | 4.7 | 2 |
| 93 | Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. <i>Physical Review D</i> , 2011, 83, . | 4.7 | 54 |
| 94 | SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011, 734, L35. | 8.3 | 55 |
| 95 | BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011, 737, 93. | 4.5 | 89 |
| 96 | Rayleigh scattering in fused silica samples for gravitational wave detectors. <i>Optics Communications</i> , 2011, 284, 4732-4737. | 2.1 | 5 |
| 97 | High-sensitivity three-mode optomechanical transducer. <i>Physical Review A</i> , 2011, 84, . | 2.5 | 12 |
| 98 | Publisher's Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. <i>Physical Review D</i> , 2011, 83, . | 4.7 | 0 |
| 99 | Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. <i>Physical Review Letters</i> , 2011, 107, 271102. | 7.8 | 94 |
| 100 | THE AIGO PROJECT. <i>International Journal of Modern Physics D</i> , 2011, 20, 2087-2092. | 2.1 | 3 |
| 101 | A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , 2011, 7, 962-965. | 16.7 | 716 |
| 102 | NOISE PERFORMANCE OF A 72 m SUSPENDED FABRY-PÉROT CAVITY. <i>International Journal of Modern Physics D</i> , 2011, 20, 2063-2067. | 2.1 | 0 |
| 103 | CONTROLLING INSTABILITIES IN HIGH OPTICAL POWER INTERFEROMETERS. <i>International Journal of Modern Physics D</i> , 2011, 20, 2069-2074. | 2.1 | 1 |
| 104 | Study of three-mode parametric instability. <i>Journal of Physics: Conference Series</i> , 2010, 228, 012025. | 0.4 | 1 |
| 105 | Three-mode opto-acoustic interactions in optical cavities: introducing the three-mode opto-acoustic parametric amplifier. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 1 |
| 106 | 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. | 4.5 | 60 |
| 107 | The Science Benefits of AIGO—a southern hemisphere interferometric gravitational wave detector. , 2010, , . | | 0 |
| 108 | FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513. | 4.5 | 104 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Modelling of tuning of an ultra low frequency Roberts Linkage vibration isolator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3705-3709. | 2.1 | 4 |
| 110 | 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. | 1.6 | 120 |
| 111 | Vacuum control system for the AIGO gravitational wave detector. Vacuum, 2010, 85, 176-179. | 3.5 | 1 |
| 112 | Enhancement and suppression of opto-acoustic parametric interactions using optical feedback. Physical Review A, 2010, 81, . | 2.5 | 8 |
| 113 | Opto-acoustic interactions in gravitational wave detectors: Comparing flat-top beams with Gaussian beams. Physical Review D, 2010, 81, . | 4.7 | 10 |
| 114 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685. | 4.5 | 155 |
| 115 | Parametric instabilities in advanced gravitational wave detectors. Classical and Quantum Gravity, 2010, 27, 205019. | 4.0 | 28 |
| 116 | Testing the suppression of opto-acoustic parametric interactions using optical feedback control. Classical and Quantum Gravity, 2010, 27, 084028. | 4.0 | 9 |
| 117 | AIGO: a southern hemisphere detector for the worldwide array of ground-based interferometric gravitational wave detectors. Classical and Quantum Gravity, 2010, 27, 084005. | 4.0 | 20 |
| 118 | Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001. | 4.0 | 956 |
| 119 | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461. | 4.5 | 90 |
| 120 | All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102. | 7.8 | 83 |
| 121 | Observation of optical torsional stiffness in a high optical power cavity. Applied Physics Letters, 2009, 94, 081105. | 3.3 | 7 |
| 122 | Compact vibration isolation and suspension for Australian International Gravitational Observatory: Local control system. Review of Scientific Instruments, 2009, 80, 114502. | 1.3 | 11 |
| 123 | Optimizing a direct string magnetic gradiometer for geophysical exploration. Review of Scientific Instruments, 2009, 80, 104705. | 1.3 | 9 |
| 124 | Scattering in sapphire test masses for gravitational wave detectors. Journal of Optics, 2009, 11, 125205. | 1.5 | 1 |
| 125 | Low magnetic susceptibility materials and applications in magnetic gradiometry. Smart Materials and Structures, 2009, 18, 095038. | 3.5 | 6 |
| 126 | Strategies for the control of parametric instability in advanced gravitational wave detectors. Classical and Quantum Gravity, 2009, 26, 015002. | 4.0 | 21 |

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| 127 | Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032. | 2.9 | 123 |
| 128 | An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994. | 27.8 | 303 |
| 129 | Differential readout for a magnetic gradiometer. Sensors and Actuators A: Physical, 2009, 153, 5-12. | 4.1 | 1 |
| 130 | Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, . | 4.7 | 83 |
| 131 | Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, . | 4.7 | 79 |
| 132 | LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901. | 20.1 | 971 |
| 133 | Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, . | 4.7 | 78 |
| 134 | First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, . | 4.7 | 45 |
| 135 | Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. Physical Review D, 2009, 80, . | 4.7 | 105 |
| 136 | Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. Physical Review D, 2009, 79, . | 4.7 | 120 |
| 137 | Direct measurement of absorption-induced wavefront distortion in high optical power systems. Applied Optics, 2009, 48, 355. | 2.1 | 14 |
| 138 | Quantum ground-state cooling and tripartite entanglement with three-mode optoacoustic interactions. Physical Review A, 2009, 79, . | 2.5 | 24 |
| 139 | Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, . | 4.7 | 38 |
| 140 | Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. Physical Review D, 2009, 80, . | 4.7 | 32 |
| 141 | Three-Mode Optoacoustic Parametric Amplifier: A Tool for Macroscopic Quantum Experiments. Physical Review Letters, 2009, 102, 243902. | 7.8 | 41 |
| 142 | Results from a novel direct magnetic gradiometer. Exploration Geophysics, 2009, 40, 222-226. | 1.1 | 8 |
| 143 | STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74. | 4.5 | 45 |
| 144 | Direct string magnetic gradiometer for space applications. Sensors and Actuators A: Physical, 2008, 147, 529-535. | 4.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Test mass ring dampers with minimum thermal noise. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1348-1356. | 2.1 | 17 |
| 146 | Publisher's Note: Upper limit map of a background of gravitational waves [Phys. Rev. D 76 , 082003 (2007)]. Physical Review D, 2008, 77, . | 4.7 | 0 |
| 147 | Publisher's Note: Upper limits on gravitational wave emission from 78 radio pulsars [Phys. Rev. D 76 , 042001 (2007)]. Physical Review D, 2008, 77, . | 4.7 | 0 |
| 148 | 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, . | 4.7 | 60 |
| 149 | All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, . | 4.7 | 110 |
| 150 | Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. Physical Review D, 2008, 78, . | 4.7 | 54 |
| 151 | Feedback control of thermal lensing in a high optical power cavity. Review of Scientific Instruments, 2008, 79, 104501. | 1.3 | 7 |
| 152 | Astrophysically triggered searches for gravitational waves: status and prospects. Classical and Quantum Gravity, 2008, 25, 114051. | 4.0 | 26 |
| 153 | First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008. | 4.0 | 22 |
| 154 | A joint search for gravitational wave bursts with AURIGA and LIGO. Classical and Quantum Gravity, 2008, 25, 095004. | 4.0 | 16 |
| 155 | Publisher's Note: All-sky search for periodic gravitational waves in LIGO S4 data [Phys. Rev. D 77 , 022001 (2008)]. Physical Review D, 2008, 77, . | 4.7 | 0 |
| 156 | Observation of enhanced optical spring damping in a macroscopic mechanical resonator and application for parametric instability control in advanced gravitational-wave detectors. Physical Review A, 2008, 77, . | 2.5 | 20 |
| 157 | Three-mode optoacoustic parametric interactions with a coupled cavity. Physical Review A, 2008, 78, . | 2.5 | 10 |
| 158 | Observation of three-mode parametric interactions in long optical cavities. Physical Review A, 2008, 78, . | 2.5 | 33 |
| 159 | Publisher's Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. D 76 , 022001 (2007)]. Physical Review D, 2008, 77, . | 4.7 | 0 |
| 160 | Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. Physical Review D, 2008, 77, . | 4.7 | 126 |
| 161 | Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102. | 7.8 | 69 |
| 162 | Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430. | 4.5 | 143 |

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|-----|--|-----|-----------|
| 163 | Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. <i>Astrophysical Journal</i> , 2008, 683, L45-L49. | 4.5 | 160 |
| 164 | The Science benefits and preliminary design of the southern hemisphere gravitational wave detector AIGO. <i>Journal of Physics: Conference Series</i> , 2008, 122, 012001. | 0.4 | 21 |
| 165 | Search for gravitational-wave bursts in LIGO data from the fourth science run. <i>Classical and Quantum Gravity</i> , 2007, 24, 5343-5369. | 4.0 | 78 |
| 166 | Upper limits on gravitational wave emission from 78 radio pulsars. <i>Physical Review D</i> , 2007, 76, . | 4.7 | 121 |
| 167 | Publisher's Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. D 76 , 022001 (2007)]. <i>Physical Review D</i> , 2007, 76, . | 4.7 | 0 |
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