# David Blair

## List of Publications by Year
## in descending order



| | | | |
|---|---|---|---|
| 342 papers | 47,654 citations | 17405 63 h-index | 1589 216 g-index |
| 348 all docs | 348 docs citations | 348 times ranked | 17039 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 | 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 |
| 7 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101. | 2.9 | 1,600 |
| 8 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101. | 2.9 | 1,473 |
| 9 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101. | 2.9 | 1,224 |
| 10 | 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 |
| 11 | 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 |
| 12 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35. | 3.0 | 968 |
| 13 | 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 stretchy="false">âŠ™</mml:mo></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 101102. | 2.9 | 836 |
| 14 | 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 |
| 15 | Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001. | 1.5 | 735 |
| 16 | Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102. | 2.9 | 673 |
| 17 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22. | 3.0 | 633 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Population Properties of Compact Objects from the Second LIGOâ€“Virgo Gravitational-Wave Transient Catalog. Astrophysical Journal Letters, 2021, 913, L7. | 3.0 | 514 |
| 20 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103. | 2.9 | 466 |
| 21 | Observation of Gravitational Waves from Two Neutron Starâ€“Black Hole Coalescences. Astrophysical Journal Letters, 2021, 915, L5. | 3.0 | 453 |
| 22 | 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 |
| 23 | 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 |
| 24 | Tests of General Relativity with GW170817. Physical Review Letters, 2019, 123, 011102. | 2.9 | 370 |
| 25 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, . | 1.6 | 315 |
| 26 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102. | 2.9 | 269 |
| 27 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1. | 3.0 | 230 |
| 28 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001. | 1.5 | 225 |
| 29 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13. | 3.0 | 210 |
| 30 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101. | 2.9 | 194 |
| 31 | 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 |
| 32 | A guide to LIGOâ€“Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002. | 1.5 | 188 |
| 33 | 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 |
| 34 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101. | 2.9 | 166 |
| 35 | High Sensitivity Gravitational Wave Antenna with Parametric Transducer Readout. Physical Review Letters, 1995, 74, 1908-1911. | 2.9 | 163 |
| 36 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39. | 3.0 | 156 |

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| 37 | 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 |
| 38 | 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 |
| 39 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12. | 1.6 | 131 |
| 40 | Search for Subsolar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. Physical Review Letters, 2019, 123, 161102. | 2.9 | 119 |
| 41 | An unusually strong Einstein ring in the radio source PKS1830â€“211. Nature, 1991, 352, 132-134. | 13.7 | 109 |
| 42 | 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 |
| 43 | Vibration isolation performance of an ultra-low frequency folded pendulum resonator. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 228, 243-249. | 0.9 | 105 |
| 44 | Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002. | 1.5 | 98 |
| 45 | Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160. | 1.6 | 97 |
| 46 | First Search for Gravitational Wave Bursts with a Network of Detectors. Physical Review Letters, 2000, 85, 5046-5050. | 2.9 | 95 |
| 47 | 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 |
| 48 | Parametric Instabilities and Their Control in Advanced Interferometer Gravitational-Wave Detectors. Physical Review Letters, 2005, 94, 121102. | 2.9 | 91 |
| 49 | On the gravitational wave background from compact binary coalescences in the band of ground-based interferometers. Monthly Notices of the Royal Astronomical Society, 2013, 431, 882-899. | 1.6 | 91 |
| 50 | Methods and results of the IGEC search for burst gravitational waves in the years 1997â€“2000. Physical Review D, 2003, 68, . | 1.6 | 90 |
| 51 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€“2017 LIGO Data. Astrophysical Journal, 2019, 879, 10. | 1.6 | 88 |
| 52 | Observation of Parametric Instability in Advanced LIGO. Physical Review Letters, 2015, 114, 161102. | 2.9 | 87 |
| 53 | Constraints on Cosmic Strings Using Data from the Third Advanced LIGOâ€“Virgo Observing Run. Physical Review Letters, 2021, 126, 241102. | 2.9 | 87 |
| 54 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102. | 2.9 | 85 |

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| 56 | Detection of gravitational waves. Reports on Progress in Physics, 2000, 63, 1317-1427. | 8.1 | 77 |
| 57 | Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103. | 2.9 | 77 |
| 58 | On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40. | 3.0 | 73 |
| 59 | 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 |
| 60 | 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 |
| 61 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209. | 0.9 | 69 |
| 62 | First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104. | 2.9 | 68 |
| 63 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21. | 3.0 | 65 |
| 64 | 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 |
| 65 | 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 |
| 66 | Why are supernovae in our Galaxy so frequent?. Monthly Notices of the Royal Astronomical Society, 1999, 302, 693-699. | 1.6 | 59 |
| 67 | Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGOâ€“Virgoâ€™s Third Observing Run. Astrophysical Journal, 2021, 923, 14. | 1.6 | 59 |
| 68 | Summed parallel infinite impulse response filters for low-latency detection of chirping gravitational waves. Physical Review D, 2012, 86, . | 1.6 | 53 |
| 69 | Performance of an ultra low-frequency folded pendulum. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 193, 223-226. | 0.9 | 52 |
| 70 | 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 |
| 71 | Narrowing the Filter-Cavity Bandwidth in Gravitational-Wave Detectors via Optomechanical Interaction. Physical Review Letters, 2014, 113, 151102. | 2.9 | 51 |
| 72 | Pulsar magnetic alignment and the pulsewidth-age relation. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1317-1329. | 1.6 | 49 |

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| 73 | Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47. | 1.6 | 46 |
| 74 | Ultra-stable cryogenic sapphire dielectric microwave resonators: mode frequency-temperature compensation by residual paramagnetic impurities. Journal Physics D: Applied Physics, 1992, 25, 1105-1109. | 1.3 | 44 |
| 75 | Using Euler buckling springs for vibration isolation. Classical and Quantum Gravity, 2002, 19, 1639-1645. | 1.5 | 44 |
| 76 | 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 |
| 77 | Paramagnetic susceptibility and permittivity measurements at microwave frequencies in cryogenic sapphire resonators. Journal Physics D: Applied Physics, 1996, 29, 2082-2090. | 1.3 | 41 |
| 78 | Three-Mode Optoacoustic Parametric Amplifier: A Tool for Macroscopic Quantum Experiments. Physical Review Letters, 2009, 102, 243902. | 2.9 | 41 |
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| 80 | 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. | 2.9 | 36 |
| 81 | Measurements of Radiation Pressure Effect in Cryogenic Sapphire Dielectric Resonators. Physical Review Letters, 1997, 79, 2141-2144. | 2.9 | 33 |
| 82 | Observation of three-mode parametric interactions in long optical cavities. Physical Review A, 2008, 78, . | 1.0 | 33 |
| 83 | Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. Astrophysical Journal, 2022, 932, 133. | 1.6 | 33 |
| 84 | Low resonant frequency cantilever spring vibration isolator for gravitational wave detectors. Review of Scientific Instruments, 1994, 65, 3482-3488. | 0.6 | 32 |
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| 86 | Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. Astronomy and Astrophysics, 2022, 659, A84. | 2.1 | 32 |
| 87 | Tests on a low-frequency inverted pendulum system. Measurement Science and Technology, 1993, 4, 995-999. | 1.4 | 31 |
| 88 | The stochastic background of gravitational waves from neutron star formation at cosmological distances. Monthly Notices of the Royal Astronomical Society, 2001, 324, 1015-1022. | 1.6 | 31 |
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| 92 | 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. | 1.6 | 30 |
| 93 | High-resolution measurement of the temperature-dependence of the Q, coupling and resonant frequency of a microwave resonator. Measurement Science and Technology, 1996, 7, 949-953. | 1.4 | 29 |
| 94 | Near-shore ocean wave measurement using a very low frequency folded pendulum. Measurement Science and Technology, 1998, 9, 1772-1776. | 1.4 | 29 |
| 95 | Simulating a stochastic background of gravitational waves from neutron star formation at cosmological distances. Monthly Notices of the Royal Astronomical Society, 2002, 329, 411-416. | 1.6 | 29 |
| 96 | 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. | 1.6 | 29 |
| 97 | Parametric transducers for resonant bar gravitational wave antennae. Journal Physics D: Applied Physics, 1993, 26, 2276-2291. | 1.3 | 28 |
| 98 | Parametric instabilities in advanced gravitational wave detectors. Classical and Quantum Gravity, 2010, 27, 205019. | 1.5 | 28 |
| 99 | Gravitational wave astronomy: the current status. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1. | 2.0 | 26 |
| 100 | Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. Astrophysical Journal, 2019, 874, 163. | 1.6 | 26 |
| 101 | Gravitational wave detectors with broadband high frequency sensitivity. Communications Physics, 2021, 4, . | 2.0 | 26 |
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| 103 | Suppression of parametric instabilities in future gravitational wave detectors using damping rings. Classical and Quantum Gravity, 2009, 26, 135012. | 1.5 | 25 |
| 104 | An Exploratory Study to Investigate the Impact of an Enrichment Program on Aspects of Einsteinian Physics on Year 6 Students. Research in Science Education, 2014, 44, 363-388. | 1.4 | 25 |
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| 107 | Gingin High Optical Power Test Facility. Journal of Physics: Conference Series, 2006, 32, 368-373. | 0.3 | 24 |
| 108 | Quantum ground-state cooling and tripartite entanglement with three-mode optoacoustic interactions. Physical Review A, 2009, 79, . | 1.0 | 24 |

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| 109 | First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102. | 2.9 | 24 |
| 110 | X-ray induced absorption of high-purity sapphire and investigation of the origin of the residual absorption at 1064 nm. Journal Physics D: Applied Physics, 2000, 33, 589-594. | 1.3 | 23 |
| 111 | Thermal tuning of optical cavities for parametric instability control. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1336. | 0.9 | 23 |
| 112 | The Zadko Telescope: A Southern Hemisphere Telescope for Optical Transient Searches, Multi-Messenger Astronomy and Education. Publications of the Astronomical Society of Australia, 2010, 27, 331-339. | 1.3 | 23 |
| 113 | The next detectors for gravitational wave astronomy. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1. | 2.0 | 23 |
| 114 | High-Q microwave properties of a sapphire ring resonator. Journal Physics D: Applied Physics, 1982, 15, 1651-1656. | 1.3 | 22 |
| 115 | Transfer function of an ultralow frequency vibration isolation system. Review of Scientific Instruments, 1995, 66, 3216-3218. | 0.6 | 22 |
| 116 | Cryogenic, allâ€sapphire, Fabryâ€"Perot optical frequency reference. Review of Scientific Instruments, 1995, 66, 955-960. | 0.6 | 21 |
| 117 | Parametric Transducers for the Advanced Cryogenic Resonant-Mass Gravitational Wave Detectors. General Relativity and Gravitation, 2000, 32, 1799-1821. | 0.7 | 21 |
| 118 | Tilt sensor and servo control system for gravitational wave detection. Classical and Quantum Gravity, 2002, 19, 1723-1729. | 1.5 | 21 |
| 119 | The Science benefits and preliminary design of the southern hemisphere gravitational wave detector AIGO. Journal of Physics: Conference Series, 2008, 122, 012001. | 0.3 | 21 |
| 120 | Strategies for the control of parametric instability in advanced gravitational wave detectors. Classical and Quantum Gravity, 2009, 26, 015002. | 1.5 | 21 |
| 121 | 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, . | 1.0 | 20 |
| 122 | AIGO: a southern hemisphere detector for the worldwide array of ground-based interferometric gravitational wave detectors. Classical and Quantum Gravity, 2010, 27, 084005. | 1.5 | 20 |
| 123 | Parametric instability in long optical cavities and suppression by dynamic transverse mode frequency modulation. Physical Review D, 2015, 91, . | 1.6 | 20 |
| 124 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGOâ€"Virgo Run O3a. Astrophysical Journal, 2021, 915, 86. | 1.6 | 20 |
| 125 | Development of a 1.5â€tonne niobium gravitational radiational antenna. Review of Scientific Instruments, 1987, 58, 1910-1916. | 0.6 | 19 |
| 126 | Interaction of a parametric transducer with a resonant bar gravitational radiation detector. Journal Physics D: Applied Physics, 1990, 23, 1-6. | 1.3 | 19 |

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| 132 | Thermoelastic Effect in Niobium at the Superconducting Transition. Physical Review Letters, 1982, 49, 375-378. | 2.9 | 18 |
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| 134 | Superconducting reâ€entrant cavity transducer for a resonant bar gravitational radiation antenna. Review of Scientific Instruments, 1992, 63, 4154-4160. | 0.6 | 18 |
| 135 | Vibration isolation for gravitational wave detection. Classical and Quantum Gravity, 1993, 10, 2407-2418. | 1.5 | 18 |
| 136 | INITIAL OPERATION OF THE INTERNATIONAL GRAVITATIONAL EVENT COLLABORATION. International Journal of Modern Physics D, 2000, 09, 237-245. | 0.9 | 18 |
| 137 | Why did the apple fall? A new model to explain Einsteinâ€™s gravity. European Journal of Physics, 2017, 38, 015603. | 0.3 | 18 |
| 138 | All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. Classical and Quantum Gravity, 2018, 35, 065009. | 1.5 | 18 |
| 139 | Determining the Intelligibility of Einsteinian Concepts with Middle School Students. Research in Science Education, 2020, 50, 2505-2532. | 1.4 | 18 |
| 140 | A narrow-band search for extraterrestrial intelligence (SETI) using the interstellar contact channel hypothesis. Monthly Notices of the Royal Astronomical Society, 1992, 257, 105-109. | 1.6 | 16 |
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| 143 | Classical demonstration of frequency-dependent noise ellipse rotation using optomechanically induced transparency. Physical Review A, 2014, 89, . | 1.0 | 16 |
| 144 | Teaching Einsteinian physics at schools: part 2, models and analogies for quantum physics. Physics Education, 2017, 52, 065013. | 0.3 | 16 |

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| 145 | Position control system for suspended masses in laser interferometer gravitational wave detectors. Review of Scientific Instruments, 1995, 66, 2763-2776. | 0.6 | 15 |
| 146 | Whispering Gallery mode microwave characterization of Ba(Mg1/3,Ta2/3)O3dielectric resonators. Journal Physics D: Applied Physics, 1999, 32, 2821-2826. | 1.3 | 15 |
| 147 | Numerical calculations of diffraction losses in advanced interferometric gravitational wave detectors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1731. | 0.8 | 15 |
| 148 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGOâ€"Virgo Run O3b. Astrophysical Journal, 2022, 928, 186. | 1.6 | 15 |
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| 151 | Direct measurement of absorption-induced wavefront distortion in high optical power systems. Applied Optics, 2009, 48, 355. | 2.1 | 14 |
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| 154 | Einsteinian Physics in the Classroom: Integrating Physical and Digital Learning Resources in the Context of an International Research Collaboration. The Physics Educator, 2019, 01, 1950016. | 0.1 | 14 |
| 155 | A prototype back-action evading transducer suitable for gravitational radiation antennae. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 197-200. | 0.9 | 13 |
| 156 | Ultra-low phase noise superconducting-cavity stabilised microwave oscillator with application to gravitational radiation detection. Journal Physics D: Applied Physics, 1983, 16, 105-113. | 1.3 | 13 |
| 157 | A sapphire oscillator for VLBI radio astronomy. Measurement Science and Technology, 1992, 3, 718-722. | 1.4 | 13 |
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| 163 | Development of low-loss sapphire mirrors. Applied Optics, 1997, 36, 337. | 2.1 | 12 |
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