

# David Blair

## List of Publications by Citations

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334  
papers

32,825  
citations

53  
h-index

179  
g-index

348  
ext. papers

40,623  
ext. citations

4.4  
avg. IF

5.19  
L-index

#	Paper	IF	Citations
334	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
333	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
332	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241103	7.4	2136
331	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
330	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L13	7.9	1614
329	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , <b>2017</b> , 118, 221101	7.4	1609
328	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141101	7.4	1270
327	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101	7.4	867
326	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
325	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
324	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$ . <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L3	7.9	591
323	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L44	7.9	571
322	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3	32.5	543
321	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
320	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512
319	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 044001	3.3	454
318	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 101102	7.4	420

317	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 882, L24	7.9	381
316	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
315	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	253
314	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 833, L1	7.9	209
313	Properties and Astrophysical Implications of the 150 M $\odot$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 900, L13	7.9	207
312	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 123, 011102	7.4	204
311	Population Properties of Compact Objects from the Second LIGO/Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 913, L7	7.9	194
310	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131102	7.4	188
309	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
308	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33,	3.3	155
307	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3	32.5	144
306	Observation of Gravitational Waves from Two Neutron Star/Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 915, L5	7.9	142
305	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121101	7.4	137
304	High sensitivity gravitational wave antenna with parametric transducer readout. <i>Physical Review Letters</i> , <b>1995</b> , 74, 1908-1911	7.4	134
303	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L16	7.9	133
302	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> , <b>2016</b> , 832, L21	7.9	130
301	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L39	7.9	127
300	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , <b>2018</b> , 120, 091101	7.4	120

299	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
298	An unusually strong Einstein ring in the radio source PKS1830-11. <i>Nature</i> , <b>1991</b> , 352, 132-134	50.4	101
297	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L7	7.9	91
296	Parametric instabilities and their control in advanced interferometer gravitational-wave detectors. <i>Physical Review Letters</i> , <b>2005</b> , 94, 121102	7.4	79
295	A guide to LIGO/Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 055002	3.3	78
294	First search for gravitational wave bursts with a network of detectors. <i>Physical Review Letters</i> , <b>2000</b> , 85, 5046-50	7.4	78
293	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74
292	Model comparison from LIGO/Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 045006	3.3	69
291	Methods and results of the IGEC search for burst gravitational waves in the years 1997-2000. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	69
290	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , <b>2019</b> , 123, 161102	7.4	68
289	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121102	7.4	65
288	On the gravitational wave background from compact binary coalescences in the band of ground-based interferometers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 431, 882-899	4.3	65
287	Observation of Parametric Instability in Advanced LIGO. <i>Physical Review Letters</i> , <b>2015</b> , 114, 161102	7.4	63
286	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 10	4.7	63
285	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> , <b>2018</b> , 35, 065010	3.3	62
284	Vibration isolation performance of an ultra-low frequency folded pendulum resonator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1997</b> , 228, 243-249	2.3	62
283	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 160	4.7	60
282	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201102	7.4	60

281	Why are supernovae in our Galaxy so frequent?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1999</b> , 302, 693-699	4.3	53
280	Detection of gravitational waves. <i>Reports on Progress in Physics</i> , <b>2000</b> , 63, 1317-1427	14.4	52
279	SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914(2016, ApJL, 833, L1). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 227, 14	8	52
278	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
277	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40	7.9	50
276	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 161	4.7	49
275	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2018</b> , 121, 231103	7.4	49
274	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 218	4.7	46
273	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
272	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 122	4.7	45
271	Pulsar magnetic alignment and the pulsewidth-age relation. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , 402, 1317-1329	4.3	44
270	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> , <b>2017</b> , 841, 89	4.7	42
269	Three-mode optoacoustic parametric amplifier: a tool for macroscopic quantum experiments. <i>Physical Review Letters</i> , <b>2009</b> , 102, 243902	7.4	40
268	Narrowing the filter-cavity bandwidth in gravitational-wave detectors via optomechanical interaction. <i>Physical Review Letters</i> , <b>2014</b> , 113, 151102	7.4	39
267	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914(2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 225, 8	8	38
266	Performance of an ultra low-frequency folded pendulum. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1994</b> , 193, 223-226	2.3	38
265	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 149	4.7	36
264	Summed parallel infinite impulse response filters for low-latency detection of chirping gravitational waves. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	36

263	Paramagnetic susceptibility and permittivity measurements at microwave frequencies in cryogenic sapphire resonators. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 2082-2090	3	36
262	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , <b>2017</b> , 847, 47	4-7	35
261	Using Euler buckling springs for vibration isolation. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1639-1645	3-3	35
260	Ultra-stable cryogenic sapphire dielectric microwave resonators: mode frequency-temperature compensation by residual paramagnetic impurities. <i>Journal Physics D: Applied Physics</i> , <b>1992</b> , 25, 1105-1109		33
259	Compensation of strong thermal lensing in high-optical-power cavities. <i>Physical Review Letters</i> , <b>2006</b> , 96, 231101	7-4	32
258	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L21	7-9	32
257	The stochastic background of gravitational waves from neutron star formation at cosmological distances. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2001</b> , 324, 1015-1022	4-3	30
256	Low resonant frequency cantilever spring vibration isolator for gravitational wave detectors. <i>Review of Scientific Instruments</i> , <b>1994</b> , 65, 3482-3488	1-7	30
255	Observation of three-mode parametric interactions in long optical cavities. <i>Physical Review A</i> , <b>2008</b> , 78,	2-6	29
254	Ultrahigh Q pendulum suspensions for gravitational wave detectors. <i>Review of Scientific Instruments</i> , <b>1993</b> , 64, 1899-1904	1-7	29
253	Passive vibration isolation using a Roberts linkage. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 3487-3491	1-7	27
252	Parametric instabilities in advanced gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 205019	3-3	26
251	Simulating a stochastic background of gravitational waves from neutron star formation at cosmological distances. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2002</b> , 329, 411-416	4-3	26
250	Parametric transducers for resonant bar gravitational wave antennae. <i>Journal Physics D: Applied Physics</i> , <b>1993</b> , 26, 2276-2291	3	26
249	High-resolution measurement of the temperature-dependence of the Q, coupling and resonant frequency of a microwave resonator. <i>Measurement Science and Technology</i> , <b>1996</b> , 7, 949-953	2	25
248	Measurements of Radiation Pressure Effect in Cryogenic Sapphire Dielectric Resonators. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2141-2144	7-4	25
247	Parametric back-action effects in a high-Q cyrogenic sapphire transducer. <i>Review of Scientific Instruments</i> , <b>1996</b> , 67, 2435-2442	1-7	25
246	Suppression of parametric instabilities in future gravitational wave detectors using damping rings. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 135012	3-3	23

245	The Zadko Telescope: A Southern Hemisphere Telescope for Optical Transient Searches, Multi-Messenger Astronomy and Education. <i>Publications of the Astronomical Society of Australia</i> , <b>2010</b> , 27, 331-339	5.5	23
244	Optical absorption measurements in monocrystalline sapphire at 1 $\mu$ m. <i>Optical Materials</i> , <b>1997</b> , 8, 233-236,3	3	23
243	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 90	4.7	22
242	Constraining the p-Mode-g-Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 122, 061104	7.4	22
241	Quantum ground-state cooling and tripartite entanglement with three-mode optoacoustic interactions. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	21
240	Transfer function of an ultralow frequency vibration isolation system. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 3216-3218	1.7	21
239	Tests on a low-frequency inverted pendulum system. <i>Measurement Science and Technology</i> , <b>1993</b> , 4, 995-999	21	
238	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run. <i>Physical Review Letters</i> , <b>2021</b> , 126, 241102	7.4	21
237	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 75	4.7	21
236	Sapphire test-masses for measuring the standard quantum limit and achieving quantum non-demolition. <i>Applied Physics B: Lasers and Optics</i> , <b>1997</b> , 64, 153-166	1.9	20
235	The Science benefits and preliminary design of the southern hemisphere gravitational wave detector AIGO. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 122, 012001	0.3	20
234	Teaching Einsteinian physics at schools: part 1, models and analogies for relativity. <i>Physics Education</i> , <b>2017</b> , 52, 065012	0.8	19
233	Design and verification of low acoustic loss suspension systems for measuring the Q-factor of a gravitational wave detector test mass. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1998</b> , 246, 37-42	2.3	19
232	Thermal tuning of optical cavities for parametric instability control. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2007</b> , 24, 1336	1.7	19
231	Gingin High Optical Power Test Facility. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 32, 368-373	0.3	19
230	Development of a 1.5-tonne niobium gravitational radiational antenna. <i>Review of Scientific Instruments</i> , <b>1987</b> , 58, 1910-1916	1.7	19
229	High-Q microwave properties of a sapphire ring resonator. <i>Journal Physics D: Applied Physics</i> , <b>1982</b> , 15, 1651-1656	3	19
228	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , <b>2017</b> , 118, 151102	7.4	18

227	Gravitational wave astronomy: the current status. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2015</b> , 58, 1	3.6	18
226	Near-shore ocean wave measurement using a very low frequency folded pendulum. <i>Measurement Science and Technology</i> , <b>1998</b> , 9, 1772-1776	2	18
225	Observation of enhanced optical spring damping in a macroscopic mechanical resonator and application for parametric instability control in advanced gravitational-wave detectors. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	18
224	Interaction of a parametric transducer with a resonant bar gravitational radiation detector. <i>Journal Physics D: Applied Physics</i> , <b>1990</b> , 23, 1-6	3	18
223	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 163	4.7	17
222	An Exploratory Study to Investigate the Impact of an Enrichment Program on Aspects of Einsteinian Physics on Year 6 Students. <i>Research in Science Education</i> , <b>2014</b> , 44, 363-388	1.5	17
221	Parametric instability in long optical cavities and suppression by dynamic transverse mode frequency modulation. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	17
220	AIGO: a southern hemisphere detector for the worldwide array of ground-based interferometric gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 084005	3.3	17
219	Strategies for the control of parametric instability in advanced gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 015002	3.3	17
218	ACIGA's high optical power test facility. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S887-S893	3.3	17
217	Thermal lensing compensation for AIGO high optical power test facility. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S903-S908	3.3	17
216	Parametric Transducers for the Advanced Cryogenic Resonant-Mass Gravitational Wave Detectors. <i>General Relativity and Gravitation</i> , <b>2000</b> , 32, 1799-1821	2.3	17
215	INITIAL OPERATION OF THE INTERNATIONAL GRAVITATIONAL EVENT COLLABORATION. <i>International Journal of Modern Physics D</i> , <b>2000</b> , 09, 237-245	2.2	17
214	X-ray induced absorption of high-purity sapphire and investigation of the origin of the residual absorption at 1064 nm. <i>Journal Physics D: Applied Physics</i> , <b>2000</b> , 33, 589-594	3	17
213	Vibration isolation for gravitational wave detection. <i>Classical and Quantum Gravity</i> , <b>1993</b> , 10, 2407-2418	3.3	17
212	Sapphire dielectric resonator transducers. <i>Journal Physics D: Applied Physics</i> , <b>1992</b> , 25, 1110-1115	3	17
211	Superconducting re-entrant cavity transducer for a resonant bar gravitational radiation antenna. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 4154-4160	1.7	17
210	Thermoelastic Effect in Niobium at the Superconducting Transition. <i>Physical Review Letters</i> , <b>1982</b> , 49, 375-378	7.4	17



209	Why did the apple fall? A new model to explain Einstein's gravity. <i>European Journal of Physics</i> , <b>2017</b> , 38, 015603	0.8	16
208	Tilt sensor and servo control system for gravitational wave detection. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1723-1729	3.3	16
207	The evolution of radio pulsars. <i>Astrophysical Journal</i> , <b>1986</b> , 307, 535	4.7	16
206	Cryogenic, all-sapphire, Fabry-Pérot optical frequency reference. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 955-960	1.7	15
205	The next detectors for gravitational wave astronomy. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2015</b> , 58, 1	3.6	14
204	Status of the Australian Consortium for Interferometric Gravitational Astronomy. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S41-S49	3.3	14
203	Numerical calculations of diffraction losses in advanced interferometric gravitational wave detectors. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2007</b> , 24, 1731-1741	1.8	14
202	Whispering Gallery mode microwave characterization of Ba(Mg <sub>1/3</sub> ,Ta <sub>2/3</sub> )O <sub>3</sub> dielectric resonators. <i>Journal Physics D: Applied Physics</i> , <b>1999</b> , 32, 2821-2826	3	14
201	Position control system for suspended masses in laser interferometer gravitational wave detectors. <i>Review of Scientific Instruments</i> , <b>1995</b> , 66, 2763-2776	1.7	14
200	A narrow-band search for extraterrestrial intelligence (SETI) using the interstellar contact channel hypothesis. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>1992</b> , 257, 105-109	4.3	14
199	A high-Q sapphire loaded superconducting cavity resonator. <i>Journal Physics D: Applied Physics</i> , <b>1987</b> , 20, 1559-1566	3	13
198	A prototype back-action evading transducer suitable for gravitational radiation antennae. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1982</b> , 91, 197-200	2.3	13
197	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 065009	3.3	12
196	Classical demonstration of frequency-dependent noise ellipse rotation using optomechanically induced transparency. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	12
195	Teaching Einsteinian physics at schools: part 3, review of research outcomes. <i>Physics Education</i> , <b>2017</b> , 52, 065014	0.8	12
194	Testing of a multi-stage low-frequency isolator using Euler spring and self-damped pendulums. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S965-S971	3.3	12
193	Parametric interaction of the electric and acoustic fields in a sapphire monocrystal transducer with a microwave readout. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 6523-6527	2.5	12
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