

# Alberto Vecchio

## List of Publications by Citations

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295  
papers

46,736  
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87  
h-index

214  
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315  
ext. papers

55,240  
ext. citations

5.7  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
295	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
294	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
293	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
292	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
291	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
290	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
289	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
288	Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 074001	3.3	1098
287	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 173001	3.3	869
286	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
285	LIGO: the Laser Interferometer Gravitational-Wave Observatory. <i>Reports on Progress in Physics</i> , <b>2009</b> , 72, 076901	14.4	822
284	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
283	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 115012	3.3	790
282	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	723
281	The Einstein Telescope: a third-generation gravitational wave observatory. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 194002	3.3	675
280	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , <b>2013</b> , 7, 613-619	33.9	572
279	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

278	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
277	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512
276	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	509
275	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 044001	3.3	454
274	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , <b>2017</b> , 551, 85-88	50.4	413
273	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , <b>2016</b> , 19, 1	32.5	393
272	Sensitivity studies for third-generation gravitational wave observatories. <i>Classical and Quantum Gravity</i> , <b>2011</b> , 28, 094013	3.3	382
271	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
270	Gravitational waves from hot young rapidly rotating neutron stars. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	327
269	European Pulsar Timing Array limits on an isotropic stochastic gravitational-wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 453, 2577-2599	4.3	283
268	An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , <b>2009</b> , 460, 990-4	50.4	267
267	The GEO 600 gravitational wave detector. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1377-1387	3.3	260
266	The stochastic gravitational-wave background from massive black hole binary systems: implications for observations with Pulsar Timing Arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 390, 192-209	4.3	258
265	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 124013	3.3	256
264	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
263	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 3341-3380	4.3	241
262	The International Pulsar Timing Array: First data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 1267-1288	4.3	239
261	Detector description and performance for the first coincidence observations between LIGO and GEO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 517, 154-179	1.2	229

260	The third generation of gravitational wave observatories and their science reach. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 084007	3.3	214
259	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
258	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	208
257	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
256	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
255	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> , <b>2012</b> , 85,	4.9	172
254	Gravitational waves from resolvable massive black hole binary systems and observations with Pulsar Timing Arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 394, 2255-2265	4.3	172
253	Bayesian coherent analysis of in-spiral gravitational wave signals with a detector network. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	162
252	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
251	Distinguishing spin-aligned and isotropic black hole populations with gravitational waves. <i>Nature</i> , <b>2017</b> , 548, 426-429	50.4	154
250	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. <i>Astrophysical Journal</i> , <b>2008</b> , 683, L45-L49	4.7	148
249	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
248	THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. <i>Astrophysical Journal</i> , <b>2014</b> , 795, 105	4.7	141
247	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , <b>2010</b> , 713, 671-685	4.7	140
246	LISA observations of rapidly spinning massive black hole binary systems. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	138
245	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
244	Setting upper limits on the strength of periodic gravitational waves from PSR J1939+2134 using the first science data from the GEO 600 and LIGO detectors. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	135
243	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	134

242	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
241	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARBLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 832, L21	7.9	130
240	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
239	Implications for the Origin of GRB 070201 from LIGO Observations. <i>Astrophysical Journal</i> , <b>2008</b> , 681, 1419-1430	4.7	126
238	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	122
237	The GEO-HF project. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S207-S214	3.3	121
236	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
235	Status of the GEO600 detector. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S71-S78	3.3	120
234	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	117
233	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> , <b>2007</b> , 76,	4.9	116
232	Search for gravitational waves from low mass binary coalescences in the first year of LIGO'S S5 data. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	115
231	European Pulsar Timing Array limits on continuous gravitational waves from individual supermassive black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 1665-1679	4.3	114
230	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 119	4.7	109
229	Upper limits on gravitational wave emission from 78 radio pulsars. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	109
228	Limits on gravitational-wave emission from selected pulsars using LIGO data. <i>Physical Review Letters</i> , <b>2005</b> , 94, 181103	7.4	109
227	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> , <b>2010</b> , 624, 223-240	1.2	108
226	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
225	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4666-4687	4.3	107

224	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. <i>Astrophysical Journal</i> , <b>2007</b> , 659, 918-930	4.7	107
223	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L35	7.9	104
222	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	100
221	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	100
220	Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INJECTION Analysis (NINJA) project. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 165008	3.3	98
219	All-sky search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	98
218	Update on quadruple suspension design for Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 235004	3.3	97
217	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	96
216	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , <b>2010</b> , 722, 1504-1513	4.7	95
215	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	94
214	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> , <b>2012</b> , 760, 12	4.7	94
213	Observation of a kilogram-scale oscillator near its quantum ground state. <i>New Journal of Physics</i> , <b>2009</b> , 11, 073032	2.9	93
212	PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 114	4.7	91
211	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009-2010. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	91
210	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	89
209	First upper limits from LIGO on gravitational wave bursts. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	87
208	Directional limits on persistent gravitational waves using LIGO S5 science data. <i>Physical Review Letters</i> , <b>2011</b> , 107, 271102	7.4	85
207	Gravitational-Wave Astronomy with Inspirial Signals of Spinning Compact-Object Binaries. <i>Astrophysical Journal</i> , <b>2008</b> , 688, L61-L64	4.7	85

206	Upper limit map of a background of gravitational waves. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	85
205	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	84
204	Gravitational Radiation from Newborn Magnetars in the Virgo Cluster. <i>Astrophysical Journal</i> , <b>2005</b> , 634, L165-L168	4.7	84
203	Measuring the parameters of massive black hole binary systems with pulsar timing array observations of gravitational waves. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	82
202	Parameter estimation of spinning binary inspirals using Markov chain Monte Carlo. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184011	3.3	82
201	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	81
200	Status of GEO 600. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S417-S423	3.3	81
199	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	80
198	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> , <b>2010</b> , 715, 1453-1461	4.7	79
197	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	77
196	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	77
195	All-sky LIGO search for periodic gravitational waves in the early fifth-science-run data. <i>Physical Review Letters</i> , <b>2009</b> , 102, 111102	7.4	77
194	Einstein@Home search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	77
193	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	76
192	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , <b>2011</b> , 737, 93	4.7	75
191	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74
190	Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. <i>Physical Review Letters</i> , <b>2014</b> , 113, 231101	7.4	74
189	Estimating parameters of coalescing compact binaries with proposed advanced detector networks. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	74



188	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	73
187	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	71
186	Analysis of first LIGO science data for stochastic gravitational waves. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	71
185	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A124	5.1	71
184	Search for gravitational-wave bursts in LIGO data from the fourth science run. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, 5343-5369	3.3	70
183	Characterizing gravitational wave stochastic background anisotropy with pulsar timing arrays. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	69
182	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A155	5.1	69
181	Upper limits on a stochastic background of gravitational waves. <i>Physical Review Letters</i> , <b>2005</b> , 95, 221101	7.4	69
180	Search for gravitational waves from binary black hole inspirals in LIGO data. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	68
179	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	66
178	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
177	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	64
176	Testing general relativity using Bayesian model selection: Applications to observations of gravitational waves from compact binary systems. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	64
175	Search for gravitational-wave bursts from soft gamma repeaters. <i>Physical Review Letters</i> , <b>2008</b> , 101, 211102	7.4	64
174	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 458, 2161-2187	4.3	63
173	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
172	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	61
171	Triple Michelson interferometer for a third-generation gravitational wave detector. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 085012	3.3	61



170	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	60
169	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	60
168	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
167	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131101	7.4	59
166	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 155002	3.3	59
165	The LISA verification binaries. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S809-S817	3.3	59
164	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	58
163	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 39	4.7	58
162	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	57
161	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 203, 28	8	57
160	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> , <b>2008</b> , 77,	4.9	55
159	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	54
158	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
157	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
156	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	54
155	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> , <b>2010</b> , 715, 1438-1452	4.7	54
154	PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. <i>Astrophysical Journal</i> , <b>2016</b> , 825, 116	4.7	53
153	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2012</b> , 755, 2	4.7	53

152	The Mock LISA Data Challenges: from challenge 3 to challenge 4. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 084009	3.3	52
151	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
150	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 211, 7	8	51
149	Sensors and actuators for the Advanced LIGO mirror suspensions. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 115005	3.3	51
148	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	51
147	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
146	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40	7.9	50
145	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184026	3.3	50
144	Upper limits on gravitational wave bursts in LIGO's second science run. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	49
143	Exploring the sensitivity of gravitational wave detectors to neutron star physics. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	48
142	Search for gravitational wave radiation associated with the pulsating tail of the SGR 180620 hyperflare of 27 December 2004 using LIGO. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	48
141	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> , <b>2017</b> , 95,	4.9	47
140	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 734, L35	7.9	47
139	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	46
138	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
137	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
136	Bayesian bounds on parameter estimation accuracy for compact coalescing binary gravitational wave signals. <i>Physical Review D</i> , <b>1998</b> , 57, 4588-4599	4.9	45
135	Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	44

134	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	43
133	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	43
132	Gravitational waves and pulsar timing: stochastic background, individual sources and parameter estimation. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 084016	3.3	43
131	First LIGO search for gravitational wave bursts from cosmic (super)strings. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	43
130	Limits on Anisotropy in the Nanohertz Stochastic Gravitational Wave Background. <i>Physical Review Letters</i> , <b>2015</b> , 115, 041101	7.4	42
129	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
128	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	40
127	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	40
126	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. <i>Astrophysical Journal</i> , <b>2009</b> , 701, L68-L74	4.7	40
125	An overview of the second round of the Mock LISA Data Challenges. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S551-S564	3.3	40
124	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	39
123	Comparison of gravitational wave detector network sky localization approximations. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	39
122	OBSERVING GRAVITATIONAL WAVES FROM THE FIRST GENERATION OF BLACK HOLES. <i>Astrophysical Journal</i> , <b>2009</b> , 698, L129-L132	4.7	39
121	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	38
120	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
119	The noise properties of 42 millisecond pulsars from the European Pulsar Timing Array and their impact on gravitational-wave searches. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 4421-4440	4.3	38
118	Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	38
117	Gravitational waves, inflation and the cosmic microwave background: towards testing the slow-roll paradigm. <i>Classical and Quantum Gravity</i> , <b>2005</b> , 22, S955-S963	3.3	38

116	Bayesian approach to the follow-up of candidate gravitational wave signals. <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	37
115	Status of NINJA: the Numerical INjection Analysis project. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 114008	3-3	36
114	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. <i>Physical Review D</i> , <b>2009</b> , 80,	4-9	36
113	Search for gravitational-wave bursts in LIGO's third science run. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S29-S39	3-3	36
112	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
111	Assigning confidence to inspiral gravitational wave candidates with Bayesian model selection. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184010	3-3	35
110	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 115004	3-3	34
109	Observing the dynamics of supermassive black hole binaries with pulsar timing arrays. <i>Physical Review Letters</i> , <b>2012</b> , 109, 081104	7-4	34
108	Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 114037	3-3	34
107	Observing white dwarfs orbiting massive black holes in the gravitational wave and electro-magnetic window. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2008</b> , 391, 718-726	4-3	33
106	First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	33
105	Eccentric Double White Dwarfs as LISA Sources in Globular Clusters. <i>Astrophysical Journal</i> , <b>2007</b> , 665, L59-L62	4-7	33
104	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. <i>Physical Review D</i> , <b>2014</b> , 89,	4-9	32
103	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2017</b> , 96,	4-9	32
102	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , <b>2015</b> , 91,	4-9	32
101	Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. <i>Physical Review D</i> , <b>2009</b> , 80,	4-9	31
100	High energy physics and the very early universe with LISA. <i>Physical Review D</i> , <b>2001</b> , 63,	4-9	31
99	Search for gravitational waves associated with $\gamma$ -ray bursts detected by the interplanetary network. <i>Physical Review Letters</i> , <b>2014</b> , 113, 011102	7-4	30

98	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	30
97	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	29
96	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 008-008	6.4	29
95	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence: Further investigations. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 363, 012028	0.3	29
94	Report on the first round of the Mock LISA Data Challenges. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S529-S539	3.3	29
93	Searching for gravitational waves from the inspiral of precessing binary systems: Problems with current waveforms. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	29
92	Studying the anisotropy of the gravitational wave stochastic background with LISA. <i>Physical Review D</i> , <b>2001</b> , 64,	4.9	29
91	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	29
90	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	28
89	Searching for continuous gravitational wave sources in binary systems. <i>Physical Review D</i> , <b>2001</b> , 63,	4.9	28
88	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	27
87	Implementation of an $F$ -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 165014	3.3	27
86	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	26
85	The astrophysical science case for a decihertz gravitational-wave detector. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 054004	3.3	26
84	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005-2010. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	26
83	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	25
82	All correlations must die: Assessing the significance of a stochastic gravitational-wave background in pulsar timing arrays. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	25
81	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	25

80	A Markov chain Monte Carlo approach to the study of massive black hole binary systems with LISA. <i>Classical and Quantum Gravity</i> , <b>2006</b> , 23, S819-S827	3-3	25
79	LISA Astronomy of Double White Dwarf Binary Systems. <i>Astrophysical Journal</i> , <b>2005</b> , 633, L33-L36	4-7	25
78	Astrophysically triggered searches for gravitational waves: status and prospects. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 114051	3-3	24
77	No tension between assembly models of super massive black hole binaries and pulsar observations. <i>Nature Communications</i> , <b>2018</b> , 9, 573	17.4	21
76	An Overview of the Mock LISA Data Challenges. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	21
75	The status of GEO 600. <i>Classical and Quantum Gravity</i> , <b>2005</b> , 22, S193-S198	3-3	20
74	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 638, A153	5.1	20
73	Dirichlet Process Gaussian-mixture model: An application to localizing coalescing binary neutron stars with gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4-3	19
72	A cosmological view of extreme mass-ratio inspirals in nuclear star clusters. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 542, A102	5.1	19
71	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 245008	3-3	19
70	Probing white dwarf interiors with LISA: periastron precession in eccentric double white dwarfs. <i>Physical Review Letters</i> , <b>2008</b> , 100, 041102	7-4	19
69	Linking gravitational waves and X-ray phenomena with joint LISA and Athena observations. <i>Nature Astronomy</i> , <b>2020</b> , 4, 26-31	12.1	19
68	Massive black hole binary systems and the NANOGrav 12.5 yr results. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2021</b> , 502, L99-L103	4-3	19
67	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 085014	3-3	18
66	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , <b>2017</b> , 118, 151102	7-4	18
65	Astrophysical constraints on massive black hole binary evolution from pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2016</b> , 455, L72-L76	4-3	17
64	Studies of waveform requirements for intermediate mass-ratio coalescence searches with advanced gravitational-wave detectors. <i>Physical Review D</i> , <b>2013</b> , 88,	4-9	17
63	Effect of the LISA response function on observations of monochromatic sources. <i>Physical Review D</i> , <b>2004</b> , 70,	4-9	17



62	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	17
61	Probing the assembly history and dynamical evolution of massive black hole binaries with pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 404-417	4.3	16
60	Probing seed black holes using future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 204009	3.3	15
59	GRAVITATIONAL WAVES FROM INTERMEDIATE-MASS BLACK HOLES IN YOUNG CLUSTERS. <i>Astrophysical Journal</i> , <b>2010</b> , 719, 987-995	4.7	15
58	A joint search for gravitational wave bursts with AURIGA and LIGO. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 095004	3.3	15
57	Commissioning, characterization and operation of the dual-recycled GEO 600. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S1737-S1745	3.3	15
56	Seismic isolation and suspension systems for Advanced LIGO <b>2004</b> ,		15
55	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	14
54	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	14
53	A report on the status of the GEO 600 gravitational wave detector. <i>Classical and Quantum Gravity</i> , <b>2003</b> , 20, S581-S591	3.3	14
52	Data acquisition and detector characterization of GEO600. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1399-1407	3.3	14
51	Milky Way Satellites Shining Bright in Gravitational Waves. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 894, L15	7.9	13
50	Publisher's Note: Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy [Phys. Rev. D 93, 112004 (2016)]. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	13
49	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
48	Galaxy mergers and implications for massive black hole binary coalescence. <i>Classical and Quantum Gravity</i> , <b>1997</b> , 14, 1431-1437	3.3	12
47	Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S541-S549	3.3	12
46	Testing general relativity with compact coalescing binaries: comparing exact and predictive methods to compute the Bayes factor. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 205006	3.3	11
45	Inference on inspiral signals using LISA MLDC data. <i>Classical and Quantum Gravity</i> , <b>2007</b> , 24, S521-S527	3.3	11



44	Constraining the Lensing of Binary Black Holes from Their Stochastic Background. <i>Physical Review Letters</i> , <b>2020</b> , 125, 141102	7.4	11
43	Strong-lensing of Gravitational Waves by Galaxy Clusters. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 98-102	0.1	10
42	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
41	Bayesian inference on the Numerical INjection Analysis (NINJA) data set using a nested sampling algorithm. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 114011	3.3	10
40	Orbital evolution of a massive black hole pair by dynamical friction. <i>Astrophysical Journal</i> , <b>1994</b> , 433, 733	4.7	10
39	Quantum correlation measurements in interferometric gravitational-wave detectors. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	9
38	Automatic Bayesian inference for LISA data analysis strategies. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	9
37	Gravitational waves from coalescing binaries and Doppler experiments. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	9
36	Gravitational-wave selection effects using neural-network classifiers. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	8
35	Prospects for joint radio telescope and gravitational-wave searches for astrophysical transients. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 084018	3.3	8
34	Search for a stochastic gravitational-wave signal in the second round of the Mock LISA Data Challenges. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184019	3.3	8
33	On tests of general relativity with binary radio pulsars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2016</b> , 462, L21-L25	4.3	7
32	Rapidly evaluating the compact-binary likelihood function via interpolation. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	6
31	Progress on stochastic background search codes for LIGO. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1521–1527	3.5	5
30	Constraints on compact binary merger evolution from spin-orbit misalignment in gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 511, 1454-1461	4.3	5
29	High Mass but Low Spin: An Exclusion Region to Rule Out Hierarchical Black Hole Mergers as a Mechanism to Populate the Pair-instability Mass Gap. <i>Astrophysical Journal</i> , <b>2021</b> , 915, 56	4.7	5
28	Early Advanced LIGO binary neutron-star sky localization and parameter estimation. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 716, 012031	0.3	5
27	Null-stream analysis of Pulsar Timing Array data: localization of resolvable gravitational wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 5447-5459	4.3	4

26	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 124501	1.7	4
25	Studying stellar binary systems with the Laser Interferometer Space Antenna using delayed rejection Markov chain Monte Carlo methods. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 204024	3.3	4
24	Computer-games for gravitational wave science outreach:Black Hole PongandSpace Time Quest. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 363, 012057	0.3	4
23	Markov chain Monte Carlo searches for galactic binaries in Mock LISA Data Challenge 1B data sets. <i>Classical and Quantum Gravity</i> , <b>2008</b> , 25, 184028	3.3	4
22	Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S671-S676	3.3	4
21	LISA and gravitational-wave stochastic backgrounds. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 1449-1455	3.3	4
20	Constraining the lensing of binary neutron stars from their stochastic background. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
19	Publisher's Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D 81, 102001 (2010)]. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	3
18	A family of filters to search for frequency-dependent gravitational wave stochastic backgrounds. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S857-S860	3.3	3
17	Publisher's Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D 83, 042001 (2011)]. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	2
16	Publisher's Note: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 [Phys. Rev. D 82, 102001 (2010)]. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	2
15	The status of GEO 600 <b>2004</b> ,		2
14	LISA observations of massive black hole binaries using post-Newtonian waveforms. <i>AIP Conference Proceedings</i> , <b>2000</b> ,	0	2
13	Limits on the gravitational wave background from spacecraft Doppler experiments. <i>General Relativity and Gravitation</i> , <b>1995</b> , 27, 793-811	2.3	2
12	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA <b>2018</b> , 21, 1		2
11	Bayesian parameter estimation of stellar-mass black-hole binaries with LISA. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	2
10	Noise analysis in the European Pulsar Timing Array data release 2 and its implications on the gravitational-wave background search. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 509, 5538-5558	4.3	2
9	Ultra-low-frequency gravitational waves from cosmological and astrophysical processes. <i>Nature Astronomy</i> ,	12.1	1

8	An interactive gravitational-wave detector model for museums and fairs. <i>American Journal of Physics</i> , <b>2021</b> , 89, 702-712	0.7	1
7			
6	Searching for gravitational waves from low mass x-ray binaries. <i>Classical and Quantum Gravity</i> , <b>2004</b> , 21, S729-S734	3.3	0
5	No tension between pulsar timing array upper limits on the nano-Hertz gravitational wave background and assembly models of massive black hole binaries. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1468, 012214	0.3	
4	Summary of session C1: pulsar timing arrays. <i>General Relativity and Gravitation</i> , <b>2014</b> , 46, 1	2.3	
3	A data analysis library for gravitational wave detection. <i>Proceedings of the International Astronomical Union</i> , <b>2012</b> , 8, 438-440	0.1	
2	Detector characterization in GEO 600. <i>Classical and Quantum Gravity</i> , <b>2003</b> , 20, S731-S739	3.3	
1	Gravitational Wave Astronomy from Space <b>2000</b> , 253-269		