

# Claudia Lazzaro

## List of Publications by Citations

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162  
ext. papers

49,999  
ext. citations

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#	Paper	IF	Citations
158	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
157	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
156	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
155	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
154	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
153	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
152	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 024001	3.3	1567
151	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
150	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	1169
149	Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 074001	3.3	1098
148	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101	7.4	867
147	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
146	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
145	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	723
144	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
143	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
142	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

141	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
140	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512
139	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	423
138	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
137	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , <b>2017</b> , 551, 85-88	50.4	413
136	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
135	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
134	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
133	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	311
132	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	258
131	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
130	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	212
129	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
128	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
127	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 123, 011102	7.4	204
126	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
125	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
124	Method for detection and reconstruction of gravitational wave transients with networks of advanced detectors. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	186

123	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
122	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
121	Observation of a first . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 691, 138-145	4.2	152
120	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
119	Observation of Gravitational Waves from Two Neutron StarBlack Hole Coalescences. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 915, L5	7.9	142
118	The OPERA experiment in the CERN to Gran Sasso neutrino beam. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P04018-P04018	1	138
117	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
116	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231108	7.4	134
115	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
114	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
113	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
112	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
111	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
110	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
109	Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , <b>2021</b> , 13, 100658	2.7	96
108	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	94
107	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo BinaryBlack-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L7	7.9	91
106	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	89

105	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	81
104	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	81
103	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
102	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
101	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 871, L13	7.9	77
100	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
99	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	60

87	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
86	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 39	4.7	58
85	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
84	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
83	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
82	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
81	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
80	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
79	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40	7.9	50
78	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
77	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
76	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
75	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013026	2.9	46
74	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
73	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
72	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
71	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
70	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	43

69	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
68	Proposed search for the detection of gravitational waves from eccentric binary black holes. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	39
67	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	39
66	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	39
65	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
64	Study of neutrino interactions with the electronic detectors of the OPERA experiment. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053051	2.9	39
63	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
62	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
61	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	37
60	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
59	The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P06020-P06020	1	36
58	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	36
57	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
56	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ during the observing run O2. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 205004	3.3	35
55	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
54	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	33
53	Validating gravitational-wave detections: The Advanced LIGO hardware injection system. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	32
52	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



51	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
50	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
49	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L21	7.9	32
48	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	31
47	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	31
46	Search for gravitational waves associated with $\gamma$ bursts detected by the interplanetary network. <i>Physical Review Letters</i> , <b>2014</b> , 113, 011102	7.4	30
45	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	29
44	ArDM: a ton-scale LAr detector for direct Dark Matter searches. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 308, 012006	0.3	29
43	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
42	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
41	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	27
40	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
39	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
38	Development of wavelength shifter coated reflectors for the ArDM argon dark matter detector. <i>Journal of Instrumentation</i> , <b>2009</b> , 4, P06001-P06001	1	26
37	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
36	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
35	Measurement of the atmospheric muon charge ratio with the OPERA detector. <i>European Physical Journal C</i> , <b>2010</b> , 67, 25-37	4.2	25
34	Emulsion sheet doublets as interface trackers for the OPERA experiment. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P07005-P07005	1	25



33	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , <b>2019</b> , 870, 134	4.7	23
32	Effects of breaking vibrational energy equipartition on measurements of temperature in macroscopic oscillators subject to heat flux. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2013</b> , 2013, P12003	1.9	23
31	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
30	Constraining the p-Mode-g-Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 122, 061104	7.4	22
29	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
28	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
27	First results on light readout from the 1-ton ArDM liquid argon detector for dark matter searches. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P11003-P11003	1	19
26	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 610, 012014	0.3	18
25	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	17
24	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
23	Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 131101	7.4	17
22	Search for Oscillation with the OPERA experiment in the CNGS beam. <i>New Journal of Physics</i> , <b>2012</b> , 14, 033017	2.9	16
21	Wider look at the gravitational-wave transients from GWTC-1 using an unmodeled reconstruction method. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	16
20	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	15
19	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
18	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
17	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 913, L27	7.9	13
16	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

15	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	12
14	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	12
13	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
12	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 100	4.7	9
11	Enhancing the significance of gravitational wave bursts through signal classification. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 094003	3.3	8
10	Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 165013	3.3	8
9	Study of the effects induced by lead on the emulsion films of the OPERA experiment. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P07002-P07002	1	7
8	Observing an intermediate-mass black hole GW190521 with minimal assumptions. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	6
7	coherent WaveBurst, a pipeline for unmodeled gravitational-wave data analysis. <i>SoftwareX</i> , <b>2021</b> , 14, 100678	2.7	6
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4	A tagged low-momentum kaon test-beam exposure with a 250L LAr TPC (J-PARC T32). <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 308, 012008	0.3	5
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1	Summary of the OPERA analysis. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 335, 012052	0.3	