

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207 papers	36,374 citations	61 h-index	190 g-index
222 ext. papers	45,353 ext. citations	6.8 avg, IF	5.71 L-index

#	Paper	IF	Citations
207	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
206	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
205	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
204	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
203	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
202	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
201	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
200	Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 074001	3.3	1098
199	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101	7.4	867
198	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
197	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
196	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 115012	3.3	790
195	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
194	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
193	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
192	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
191	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512

190	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
189	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 018002	5	472
188	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 044001	3.3	454
187	A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , <b>2017</b> , 551, 75-79	50.4	420
186	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
185	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
184	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
183	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 078001	5	256
182	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
181	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
180	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
179	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 123, 011102	7.4	204
178	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
177	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183
176	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
175	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
174	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
173	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

172	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
171	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
170	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
169	Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. <i>Physical Review Letters</i> , <b>2020</b> , 124, 251102	7.4	126
168	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
167	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 119	4.7	109
166	Constraints on the neutron star equation of state from AT2017gfo using radiative transfer simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3871-3878	4.3	108
165	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
164	GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 829, L15	7.9	96
163	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
162	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
161	Multimessenger Bayesian parameter inference of a binary neutron star merger. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2019</b> , 489, L91-L96	4.3	91
160	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
159	The GROWTH Marshal: A Dynamic Science Portal for Time-domain Astronomy. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 038003	5	80
158	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 1031-1049	4.3	78
157	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
156	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
155	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74

154	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
153	Multimessenger constraints on the neutron-star equation of state and the Hubble constant. <i>Science</i> , <b>2020</b> , 370, 1450-1453	33.3	74
152	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
151	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
150	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
149	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
148	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
147	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
146	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
145	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
144	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	57
143	Long gravitational-wave transients and associated detection strategies for a network of terrestrial interferometers. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	57
142	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. <i>Nature</i> , <b>2019</b> , 571, 528-531	50.4	56
141	Implications of the search for optical counterparts during the first six months of the Advanced LIGO and Advanced Virgo's third observing run: possible limits on the ejecta mass and binary properties. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 863-876	4.3	54
140	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L19	7.9	54
139	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2012</b> , 755, 2	4.7	53
138	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
137	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star-Black Hole Merger. <i>Astrophysical Journal</i> , <b>2020</b> , 890, 131	4.7	51

136	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
135	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
134	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
133	On the Nature of GW190814 and Its Impact on the Understanding of Supranuclear Matter. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 908, L1	7.9	48
132	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 734, L35	7.9	47
131	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	46
130	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
129	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
128	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
127	Pan-STARRS and PESSTO search for an optical counterpart to the LIGO gravitational-wave source GW150914. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 4094-4116	4.3	45
126	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
125	A tidal disruption event coincident with a high-energy neutrino. <i>Nature Astronomy</i> , <b>2021</b> , 5, 510-518	12.1	41
124	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
123	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
122	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 692-702	4.3	36
121	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
120	Enhancing gravitational-wave science with machine learning. <i>Machine Learning: Science and Technology</i> , <b>2021</b> , 2, 011002	5.1	36
119	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



118	A luminosity distribution for kilonovae based on short gamma-ray burst afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 672-690	4.3	35
117	A SEARCH FOR AN OPTICAL COUNTERPART TO THE GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 827, L40	7.9	35
116	Optical follow-up of the neutron starBlack hole mergers S200105ae and S200115j. <i>Nature Astronomy</i> , <b>2021</b> , 5, 46-53	12.1	34
115	Observations of the GRB Afterglow ATLAS17aeu and Its Possible Association with GW 170104. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 149	4.7	33
114	SUPPLEMENT: GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP[2016, ApJL, 829, L15). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 226, 10	8	33
113	The Koala: A Fast Blue Optical Transient with Luminous Radio Emission from a Starburst Dwarf Galaxy at $z=0.27$ . <i>Astrophysical Journal</i> , <b>2020</b> , 895, 49	4.7	32
112	Searching for gravitational-wave transients with a qualitative signal model: Seedless clustering strategies. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	32
111	LIGO detector characterization in the second and third observing runs. <i>Classical and Quantum Gravity</i> ,	3.3	31
110	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	30
109	Search for gravitational waves associated with Ray bursts detected by the interplanetary network. <i>Physical Review Letters</i> , <b>2014</b> , 113, 011102	7.4	30
108	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
107	Detectability of eccentric compact binary coalescences with advanced gravitational-wave detectors. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	29
106	The First Ultracompact Roche LobeFilling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 45	4.7	29
105	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 145	4.7	29
104	The first six months of the Advanced LIGOand Advanced Virgothird observing run with GRANDMA. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 492, 3904-3927	4.3	29
103	GRANDMA observations of advanced LIGOand advanced Virgothird observational campaign. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 5518-5539	4.3	29
102	GROWTH on S190426c: Real-time Search for a Counterpart to the Probable Neutron StarBlack Hole Merger using an Automated Difference Imaging Pipeline for DECAM. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L7	7.9	28
101	Implications of Dedicated Seismometer Measurements on Newtonian-Noise Cancellation for Advanced LIGO. <i>Physical Review Letters</i> , <b>2018</b> , 121, 221104	7.4	28

100	Can a black hole-neutron star merger explain GW170817, AT2017gfo, and GRB170817A?. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	26
99	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 32	4.7	26
98	Optimizing multitelescope observations of gravitational-wave counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5775-5783	4.3	25
97	Mock data and science challenge for detecting an astrophysical stochastic gravitational-wave background with Advanced LIGO and Advanced Virgo. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	25
96	Seedless clustering in all-sky searches for gravitational-wave transients. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	24
95	Characterization of the seismic environment at the Sanford Underground Laboratory, South Dakota. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 225011	3.3	24
94	Orbital Decay in a 20 Minute Orbital Period Detached Binary with a Hydrogen-poor Low-mass White Dwarf. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 886, L12	7.9	24
93	2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2019</b> , 131, 048001	5.1	23
92	Classifying the unknown: Discovering novel gravitational-wave detector glitches using similarity learning. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	23
91	Towards a first design of a Newtonian-noise cancellation system for Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33, 244001	3.3	23
90	Toward Rapid Transient Identification and Characterization of Kilonovae. <i>Astrophysical Journal</i> , <b>2017</b> , 849, 12	4.7	22
89	Fortifying the characterization of binary mergers in LIGO data. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	21
88	Standardizing kilonovae and their use as standard candles to measure the Hubble constant. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	21
87	Subtraction of correlated noise in global networks of gravitational-wave interferometers. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33, 224003	3.3	21
86	Detecting Gravitational-Wave Transients at 5 $\sigma$ Hierarchical Approach. <i>Physical Review Letters</i> , <b>2015</b> , 115, 181102	7.4	20
85	Implications of the search for optical counterparts during the second part of the Advanced LIGO and Advanced Virgo third observing run: lessons learned for future follow-up observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 1181-1196	4.3	20
84	Globally coherent short duration magnetic field transients and their effect on ground based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 074002	3.3	19
83	GROWTH on S190510g: DECAM Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 881, L16	7.9	19



82	Noise reduction in gravitational-wave data via deep learning. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	19
81	Neutron star–neutron star collisions in the light of multimessenger astronomy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 908-914	4.3	18
80	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. <i>Astronomical Journal</i> , <b>2020</b> , 160, 26	4.9	18
79	Upper limit on a stochastic background of gravitational waves from seismic measurements in the range 0.05-1 Hz. <i>Physical Review Letters</i> , <b>2014</b> , 112, 101102	7.4	18
78	Measuring the Hubble constant with a sample of kilonovae. <i>Nature Communications</i> , <b>2020</b> , 11, 4129	17.4	18
77	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
76	Control strategy to limit duty cycle impact of earthquakes on the LIGO gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 055004	3.3	16
75	Constraining the gravitational wave energy density of the Universe using Earth's ring. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	16
74	Comparing inclination-dependent analyses of kilonova transients. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 3057-3065	4.3	16
73	Maximizing the probability of detecting an electromagnetic counterpart of gravitational-wave events. <i>Experimental Astronomy</i> , <b>2016</b> , 42, 165-178	1.3	15
72	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , <b>2020</b> , 904, 155	4.7	14
71	Limiting the effects of earthquakes on gravitational-wave interferometers. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 044004	3.3	13
70	Wiener filtering with a seismic underground array at the Sanford Underground Research Facility. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 215003	3.3	13
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