

Stefan Hild

List of Publications by Year in descending order

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329
papers

71,047
citations

2795

94
h-index

547

264
g-index

335
all docs

335
docs citations

335
times ranked

18485
citing authors

#	ARTICLE	IF	CITATIONS
19	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010, 27, 173001.	1.5	956
20	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016, 6, .	2.8	898
21	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102.	2.8	898
22	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	15.6	825
23	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	8.2	808
24	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017, 34, 044001.	1.5	735
25	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .	2.8	728
26	A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , 2011, 7, 962-965.	6.5	716
27	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88.	13.7	674
28	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102.	2.9	673
29	Sensitivity studies for third-generation gravitational wave observatories. <i>Classical and Quantum Gravity</i> , 2011, 28, 094013.	1.5	644
30	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.	3.0	633
31	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24.	3.0	566
32	Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	3.0	514
33	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, .	1.6	470
34	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103.	2.9	466
35	Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	3.0	453
36	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	8.2	447

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37	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	8.2	427
38	Properties and Astrophysical Implications of the 150 M_{\odot} Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	3.0	406
39	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .	1.6	394
40	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	2.9	370
41	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012, 29, 124013.	1.5	355
42	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021, 103, .	1.6	338
43	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, .	1.6	315
44	An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009, 460, 990-994.	13.7	303
45	The third generation of gravitational wave observatories and their science reach. <i>Classical and Quantum Gravity</i> , 2010, 27, 084007.	1.5	287
46	Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , 2021, 13, 100658.	1.2	275
47	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102.	2.9	269
48	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1.	3.0	230
49	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	1.5	225
50	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13.	3.0	210
51	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , 2019, 100, .	1.6	200
52	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101.	2.9	194
53	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16.	3.0	189
54	A guide to LIGO's Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	1.5	188

#	ARTICLE	IF	CITATIONS
55	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> , 2012, 85, .	1.6	185
56	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary's Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7.	3.0	179
57	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	2.9	166
58	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. <i>Astrophysical Journal</i> , 2008, 683, L45-L49.	1.6	160
59	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	3.0	156
60	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010, 713, 671-685.	1.6	155
61	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR-BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21.	3.0	146
62	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	1.6	144
63	Implications for the Origin of GRB 070201 from LIGO Observations. <i>Astrophysical Journal</i> , 2008, 681, 1419-1430.	1.6	143
64	A xylophone configuration for a third-generation gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2010, 27, 015003.	1.5	141
65	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35.	3.0	135
66	The GEO-HF project. <i>Classical and Quantum Gravity</i> , 2006, 23, S207-S214.	1.5	133
67	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013, 88, .	1.6	132
68	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.	1.6	131
69	Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. <i>Physical Review Letters</i> , 2005, 94, 181103.	2.9	130
70	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> , 2007, 76, .	1.6	128
71	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. <i>Physical Review D</i> , 2008, 77, .	1.6	126
72	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	1.6	125

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73	Status of the GEO600 detector. <i>Classical and Quantum Gravity</i> , 2006, 23, S71-S78.	1.5	123
74	Observation of a kilogram-scale oscillator near its quantum ground state. <i>New Journal of Physics</i> , 2009, 11, 073032.	1.2	123
75	Upper limits on gravitational wave emission from 78 radio pulsars. <i>Physical Review D</i> , 2007, 76, .	1.6	121
76	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. <i>Astrophysical Journal</i> , 2007, 659, 918-930.	1.6	120
77	Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. <i>Physical Review D</i> , 2009, 79, .	1.6	120
78	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> , 2010, 624, 223-240.	0.7	120
79	A cryogenic silicon interferometer for gravitational-wave detection. <i>Classical and Quantum Gravity</i> , 2020, 37, 165003.	1.5	120
80	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, .	1.6	119
81	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	2.9	119
82	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , 2010, 82, .	1.6	111
83	All-sky search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , 2008, 77, .	1.6	110
84	Model comparison from LIGO's Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020, 37, 045006.	1.5	109
85	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010, 81, .	1.6	107
86	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012, 85, .	1.6	107
87	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, .	2.8	106
88	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. <i>Physical Review D</i> , 2009, 80, .	1.6	105
89	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513.	1.6	104
90	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> , 2012, 760, 12.	1.6	104

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91	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, .	1.6	102
92	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019, 100, .	1.6	102
93	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.	1.5	98
94	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160.	1.6	97
95	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. <i>Physical Review Letters</i> , 2011, 107, 271102.	2.9	94
96	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> , 2018, 35, 065010.	1.5	94
97	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. <i>Physical Review D</i> , 2013, 87, .	1.6	92
98	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, .	1.6	92
99	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013, 87, .	1.6	91
100	Upper limit map of a background of gravitational waves. <i>Physical Review D</i> , 2007, 76, .	1.6	90
101	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> , 2010, 715, 1453-1461.	1.6	90
102	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011, 737, 93.	1.6	89
103	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, .	1.6	88
104	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	1.6	88
105	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO–Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	2.9	87
106	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009–2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101.	2.9	86
107	GEO 600 and the GEO-HF upgrade program: successes and challenges. <i>Classical and Quantum Gravity</i> , 2016, 33, 075009.	1.5	86
108	Status of GEO 600. <i>Classical and Quantum Gravity</i> , 2004, 21, S417-S423.	1.5	85

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109	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. <i>Physical Review D</i> , 2011, 83, .	1.6	85
110	Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , 2011, 28, 025005.	1.5	85
111	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	2.9	85
112	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102.	2.9	84
113	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 539, A124.	2.1	84
114	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. <i>Physical Review Letters</i> , 2009, 102, 111102.	2.9	83
115	Triple Michelson interferometer for a third-generation gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2009, 26, 085012.	1.5	83
116	Einstein@Home search for periodic gravitational waves in LIGO S4 data. <i>Physical Review D</i> , 2009, 79, .	1.6	83
117	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. <i>Physical Review D</i> , 2005, 72, .	1.6	79
118	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. <i>Physical Review D</i> , 2009, 80, .	1.6	79
119	The upgrade of GEO 600. <i>Journal of Physics: Conference Series</i> , 2010, 228, 012012.	0.3	79
120	Search for gravitational-wave bursts in LIGO data from the fourth science run. <i>Classical and Quantum Gravity</i> , 2007, 24, 5343-5369.	1.5	78
121	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. <i>Physical Review D</i> , 2009, 80, .	1.6	78
122	Advanced techniques in GEO 600. <i>Classical and Quantum Gravity</i> , 2014, 31, 224002.	1.5	77
123	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	2.9	77
124	Search for gravitational waves from binary black hole inspirals in LIGO data. <i>Physical Review D</i> , 2006, 73, .	1.6	75
125	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 541, A155.	2.1	75
126	Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors. <i>Physical Review D</i> , 2005, 72, .	1.6	74

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127	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002.	1.5	73
128	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, .	1.6	73
129	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	3.0	73
130	The status of GEO 600. <i>Classical and Quantum Gravity</i> , 2006, 23, S643-S651.	1.5	72
131	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , 2017, 95, .	1.6	72
132	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , 2019, 883, 149.	1.6	72
133	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161.	1.6	71
134	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. <i>Physical Review Letters</i> , 2008, 101, 211102.	2.9	69
135	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017, 95, .	1.6	69
136	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	0.9	69
137	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> , 2020, 101, .	1.6	69
138	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	2.9	68
139	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104.	2.9	68
140	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012, 85, .	1.6	66
141	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	1.6	66
142	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, .	1.6	65
143	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	3.0	65
144	DC-readout of a signal-recycled gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2009, 26, 055012.	1.5	64

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145	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, .	1.6	64
146	SUPPLEMENT: "THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914" (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 14.	3.0	63
147	Measurements of Superattenuator seismic isolation by Virgo interferometer. <i>Astroparticle Physics</i> , 2010, 33, 182-189.	1.9	62
148	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28.	3.0	62
149	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019, 875, 122.	1.6	61
150	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> , 2008, 77, .	1.6	60
151	Prospects of higher-order Laguerre-Gauss modes in future gravitational wave detectors. <i>Physical Review D</i> , 2009, 79, .	1.6	60
152	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> , 2010, 715, 1438-1452.	1.6	60
153	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 2.	1.6	60
154	First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .	1.6	60
155	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , 2016, 94, .	1.6	60
156	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, .	1.6	60
157	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, .	1.6	60
158	Noise from scattered light in Virgo's second science run data. <i>Classical and Quantum Gravity</i> , 2010, 27, 194011.	1.5	59
159	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> , 2017, 95, .	1.6	59
160	Upper limits on gravitational wave bursts in LIGO's second science run. <i>Physical Review D</i> , 2005, 72, .	1.6	57
161	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7.	3.0	57
162	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011, 734, L35.	3.0	55

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163	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. <i>Physical Review D</i> , 2008, 78, .	1.6	54
164	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. <i>Physical Review D</i> , 2011, 83, .	1.6	54
165	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, .	1.6	54
166	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> , 2017, 841, 89.	1.6	52
167	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> , 2019, 100, .	1.6	52
168	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. <i>Physical Review D</i> , 2019, 100, .	1.6	52
169	Search for gravitational wave radiation associated with the pulsating tail of the SGR γ flare of 27 December 2004 using LIGO. <i>Physical Review D</i> , 2007, 76, .	1.6	51
170	Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts. <i>Physical Review D</i> , 2005, 72, .	1.6	49
171	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , 2012, 85, .	1.6	48
172	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015, 91, .	1.6	47
173	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017, 96, .	1.6	47
174	Prospects for Detecting Gravitational Waves at 5 Hz with Ground-Based Detectors. <i>Physical Review Letters</i> , 2018, 120, 141102.	2.9	47
175	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , 2017, 847, 47.	1.6	46
176	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018, 97, .	1.6	46
177	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> , 2019, 100, .	1.6	46
178	First LIGO search for gravitational wave bursts from cosmic (super)strings. <i>Physical Review D</i> , 2009, 80, .	1.6	45
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