Eric Thrane

List of Publications by Year
in descending order

157 papers	33,458 citations	16451 64 h-index	6471 157 g-index
157 all docs	157 docs citations	157 times ranked	15211 citing authors

#	Article	IF	Citations
1	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	7.8	6,413
2	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,701
3	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	8.3	2,314
4	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	7.8	1,987
5	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
6	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,473
7	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
8	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
9	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	8.3	968
10	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001.	4.0	956
11	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	31.4	825
12	A gravitational wave observatory operating beyond the quantum shot-noise limit. Nature Physics, 2011, 7, 962-965.	16.7	716
13	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	27.8	674
14	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
15	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
16	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. Astrophysical Journal, Supplement Series, 2019, 241, 27.	7.7	526
17	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
18	Sensitivity curves for searches for gravitational-wave backgrounds. Physical Review D, 2013, 88, .	4.7	351

#	Article	IF	Citations
19	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
20	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	8.3	230
21	An introduction to Bayesian inference in gravitational-wave astronomy: Parameter estimation, model selection, and hierarchical models. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	227
22	On the Evidence for a Common-spectrum Process in the Search for the Nanohertz Gravitational-wave Background with the Parkes Pulsar Timing Array. Astrophysical Journal Letters, 2021, 917, L19.	8.3	217
23	Bayesian inference for compact binary coalescences with <scp>bilby</scp>: validation and application to the first LIGOâ€"Virgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319.	4.4	213
24	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	194
25	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	8.3	189
26	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39.	8.3	156
27	Measuring the Binary Black Hole Mass Spectrum with an Astrophysically Motivated Parameterization. Astrophysical Journal, 2018, 856, 173.	4.5	154
28	GW190521: Orbital Eccentricity and Signatures of Dynamical Formation in a Binary Black Hole Merger Signal. Astrophysical Journal Letters, 2020, 903, L5.	8.3	154
29	AN INDIRECT SEARCH FOR WEAKLY INTERACTING MASSIVE PARTICLES IN THE SUN USING 3109.6 DAYS OF UPWARD-GOING MUONS IN SUPER-KAMIOKANDE. Astrophysical Journal, 2011, 742, 78.	4.5	150
30	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARâ€"BLACK HOLE MERGERS FROM ADVANCED LIGOâ€™S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	8.3	146
31	Search for Supernova Neutrino Bursts at Superâ€Kamiokande. Astrophysical Journal, 2007, 669, 519-524.	4.5	138
32	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.5	131
33	Determining the population properties of spinning black holes. Physical Review D, 2017, 96, .	4.7	130
34	Detecting Gravitational-Wave Memory with LIGO: Implications of GW150914. Physical Review Letters, 2016, 117, 061102.	7.8	126
35	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	4.5	125
36	The Mass Distribution of Galactic Double Neutron Stars. Astrophysical Journal, 2019, 876, 18.	4.5	115

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37	Gravitational-Wave Cosmology across 29 Decades in Frequency. Physical Review X, 2016, 6, .	8.9	113
38	Search for Proton Decay via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>â†’</mml:mo><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>â†’</mml:mo><mml:msup><mml:mi>Î¼</mml:mi><mml:mo>+</mml:mo></mml:msu a Large W. Physical Review Letters, 2009, 102, 141801.	7.8	109
39	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	4.5	104
40	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12.	4.5	104
41	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	4.0	98
42	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102.	7.8	94
43	Black Hole Genealogy: Identifying Hierarchical Mergers with Gravitational Waves. Astrophysical Journal, 2020, 900, 177.	4.5	94
44	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93.	4.5	89
45	Probing the anisotropies of a stochastic gravitational-wave background using a network of ground-based laser interferometers. Physical Review D, 2009, 80, .	4.7	88
46	Searching for eccentricity: signatures of dynamical formation in the first gravitational-wave transient catalogue of LIGO and Virgo. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5210-5216.	4.4	88
47	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101.	7.8	86
48	Evidence for Hierarchical Black Hole Mergers in the Second LIGOâ€“Virgo Gravitational Wave Catalog. Astrophysical Journal Letters, 2021, 915, L35.	8.3	86
49	Measuring eccentricity in binary black hole inspirals with gravitational waves. Physical Review D, 2018, 98, .	4.7	85
50	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	85
51	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	84
52	Evidence for the Appearance of Atmospheric Tau Neutrinos in Super-Kamiokande. Physical Review Letters, 2013, 110, 181802.	7.8	78
53	Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, .	4.7	78
54	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103.	7.8	77

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55	<i>Colloquium</i>: Multimessenger astronomy with gravitational waves and high-energy neutrinos. Reviews of Modern Physics, 2013, 85, 1401-1420.	45.6	76
56	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
57	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.3	73
58	First study of neutron tagging with a water Cherenkov detector. Astroparticle Physics, 2009, 31, 320-328.	4.3	70
59	Long gravitational-wave transients and associated detection strategies for a network of terrestrial interferometers. Physical Review D, 2011, 83, .	4.7	70
60	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
61	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	7.8	68
62	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	4.5	66
63	Polarization-Based Tests of Gravity with the Stochastic Gravitational-Wave Background. Physical Review X, 2017, 7, .	8.9	65
64	Optimal Search for an Astrophysical Gravitational-Wave Background. Physical Review X, 2018, 8, .	8.9	65
65	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
66	Parallelized inference for gravitational-wave astronomy. Physical Review D, 2019, 100, .	4.7	62
67	Parameter Estimation in Searches for the Stochastic Gravitational-Wave Background. Physical Review Letters, 2012, 109, 171102.	7.8	61
68	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	4.5	60
69	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	7.7	57
70	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35.	8.3	55
71	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	4.5	52
72	Inferring the population properties of binary neutron stars with gravitational-wave measurements of spin. Physical Review D, 2018, 98, .	4.7	52

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73	Higher order gravitational-wave modes with likelihood reweighting. Physical Review D, 2019, 100, .	4.7	52
74	Building Better Spin Models for Merging Binary Black Holes: Evidence for Nonspinning and Rapidly Spinning Nearly Aligned Subpopulations. Astrophysical Journal Letters, 2021, 921, L15.	8.3	52
75	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. Astroparticle Physics, 2008, 29, 42-54.	4.3	50
76	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. Physical Review D, 2018, 97, .	4.7	50
77	Search for Nucleon Decay via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi><mml:mo stretchy="false">â†'</mml:mo><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>and xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">â†'</mml:mo><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo stretchy="false">	7.8	48
78	Identifying and mitigating noise sources in precision pulsar timing data sets. Monthly Notices of the Royal Astronomical Society, 2021, 502, 478-493.	4.4	47
79	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47.	4.5	46
80	On the origin of GW190425. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L64-L69.	3.3	46
81	Evidence for an intermediate-mass black hole from a gravitationally lensed gamma-ray burst. Nature Astronomy, 2021, 5, 560-568.	10.1	46
82	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€• (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
83	Measuring the neutron star equation of state with gravitational waves: The first forty binary neutron star merger observations. Physical Review D, 2019, 100, .	4.7	44
84	Measuring gravitational-wave memory in the first LIGO/Virgo gravitational-wave transient catalog. Physical Review D, 2020, 101, .	4.7	43
85	GRAVITATIONAL WAVES FROM FALLBACK ACCRETION ONTO NEUTRON STARS. Astrophysical Journal, 2012, 761, 63.	4.5	42
86	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	4.0	42
87	Black-hole spectroscopy, the no-hair theorem, and GW150914: Kerr versus Occam. Physical Review D, 2021, 103, .	4.7	39
88	Challenges for testing the no-hair theorem with current and planned gravitational-wave detectors. Physical Review D, 2017, 96, .	4.7	38
89	Measuring the Primordial Gravitational-Wave Background in the Presence of Astrophysical Foregrounds. Physical Review Letters, 2020, 125, 241101.	7.8	38
90	Detecting Gravitational Wave Memory without Parent Signals. Physical Review Letters, 2017, 118, 181103.	7.8	37

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91	Mock data and science challenge for detecting an astrophysical stochastic gravitational-wave background with Advanced LIGO and Advanced Virgo. Physical Review D, 2015, 92, .	4.7	36
92	Subtraction of correlated noise in global networks of gravitational-wave interferometers. Classical and Quantum Gravity, 2016, 33, 224003.	4.0	36
93	Implications of Eccentric Observations on Binary Black Hole Formation Channels. Astrophysical Journal Letters, 2021, 921, L43.	8.3	36
94	Searching for gravitational-wave transients with a qualitative signal model: Seedless clustering strategies. Physical Review D, 2013, 88, .	4.7	35
95	Signs of Eccentricity in Two Gravitational-wave Signals May Indicate a Subpopulation of Dynamically Assembled Binary Black Holes. Astrophysical Journal Letters, 2021, 921, L31.	8.3	35
96	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	4.0	34
97	Measuring the non-Gaussian stochastic gravitational-wave background: A method for realistic interferometer data. Physical Review D, 2013, 87, .	4.7	32
98	Estimates of maximum energy density of cosmological gravitational-wave backgrounds. Physical Review D, 2014, 90, .	4.7	32
99	Gravitational-wave memory: Waveforms and phenomenology. Physical Review D, 2018, 98, .	4.7	32
100	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. Astrophysical Journal, 2019, 870, 134.	4.5	32
101	Measuring neutron-star ellipticity with measurements of the stochastic gravitational-wave background. Physical Review D, 2014, 89, .	4.7	31
102	SEARCH FOR ASTROPHYSICAL NEUTRINO POINT SOURCES AT SUPER-KAMIOKANDE. Astrophysical Journal, 2009, 704, 503-512.	4.5	29
103	Limits of Astrophysics with Gravitational-Wave Backgrounds. Physical Review X, 2016, 6, .	8.9	29
104	Standard-siren Cosmology Using Gravitational Waves from Binary Black Holes. Astrophysical Journal, 2021, 908, 215.	4.5	28
105	Gravitational-wave astronomy with a physical calibration model. Physical Review D, 2020, 102, .	4.7	28
106	A scalable random forest regressor for combining neutron-star equation of state measurements: a case study with GW170817 and GW190425. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5972-5977.	4.4	27
107	Search for GUT monopoles at Superâ€"Kamiokande. Astroparticle Physics, 2012, 36, 131-136.	4.3	25
108	An introduction to Bayesian inference in gravitational-wave astronomy: parameter estimation, model selection, and hierarchical modelsâ€"Corrigendum. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	25

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109	Seedless clustering in all-sky searches for gravitational-wave transients. Physical Review D, 2014, 89, .	4.7	24
110	Search for Dinucleon Decay into Kaons in Super-Kamiokande. Physical Review Letters, 2014, 112, 131803.	7.8	24
111	Detecting very long-lived gravitational-wave transients lasting hours to weeks. Physical Review D, 2015, 91, .	4.7	24
112	Detecting Gravitation-Wave Transients at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>5</mml:mn><mml:mi>Ïƒ</mml:mi></mml:mrow></mml:math>: A Hierarchical Approach. Physical Review Letters, 2015, 115, 181102.	7.8	24
113	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102.	7.8	24
114	Heavy Double Neutron Stars: Birth, Midlife, and Death. Astrophysical Journal Letters, 2021, 909, L19.	8.3	24
115	Highâ€Energy Neutrino Astronomy Using Upwardâ€going Muons in Superâ€Kamiokande I. Astrophysical Journal, 2006, 652, 198-205.	4.5	22
116	Searching for anisotropy in the distribution of binary black hole mergers. Physical Review D, 2020, 102, .	4.7	22
117	Gravitational-wave inference in the catalog era: Evolving priors and marginal events. Physical Review D, 2020, 102, .	4.7	21
118	Bayesian Inference for Gravitational Waves from Binary Neutron Star Mergers in Third Generation Observatories. Physical Review Letters, 2021, 127, 081102.	7.8	21
119	Gravitational-wave astronomy with an uncertain noise power spectral density. Physical Review Research, 2020, 2, .	3.6	21
120	Constraining Short Gamma-Ray Burst Jet Properties with Gravitational Waves and Gamma-Rays. Astrophysical Journal, 2020, 893, 38.	4.5	21
121	Linking the rates of neutron star binaries and short gamma-ray bursts. Physical Review D, 2022, 105, .	4.7	21
122	Consistency of the Parkes Pulsar Timing Array Signal with a Nanohertz Gravitational-wave Background. Astrophysical Journal Letters, 2022, 932, L22.	8.3	21
123	Statistical properties of astrophysical gravitational-wave backgrounds. Physical Review D, 2014, 89, .	4.7	19
124	Memory remains undetected: Updates from the second LIGO/Virgo gravitational-wave transient catalog. Physical Review D, 2021, 104, .	4.7	19
125	The minimum and maximum gravitational-wave background from supermassive binary black holes. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2588-2596.	4.4	18
126	Constraints on Weak Supernova Kicks from Observed Pulsar Velocities. Astrophysical Journal Letters, 2021, 920, L37.	8.3	18

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127	Toward the Unambiguous Identification of Supermassive Binary Black Holes through Bayesian Inference. Astrophysical Journal, 2020, 900, 117.	4.5	17
128	Search for Diffuse Astrophysical Neutrino Flux Using Ultraâ€"Highâ€Energy Upwardâ€going Muons in Superâ€Kamiokande I. Astrophysical Journal, 2006, 652, 206-215.	4.5	16
129	Gravitational wave detection without boot straps: A Bayesian approach. Physical Review D, 2019, 100, .	4.7	16
130	Inferring the population properties of binary black holes from unresolved gravitational waves. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3281-3290.	4.4	16
131	Identification of noise artifacts in searches for long-duration gravitational-wave transients. Classical and Quantum Gravity, 2012, 29, 095018.	4.0	15
132	Detectability of Gravitational Waves from High-Redshift Binaries. Physical Review Letters, 2016, 116, 101102.	7.8	15
133	All-sky radiometer for narrowband gravitational waves using folded data. Physical Review D, 2018, 98, .	4.7	15
134	Constraining the gravitational-wave afterglow from a binary neutron star coalescence. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4945-4951.	4.4	15
135	Probing Extremal Gravitational-wave Events with Coarse-grained Likelihoods. Astrophysical Journal, 2022, 926, 34.	4.5	15
136	Inference with finite time series: Observing the gravitational Universe through windows. Physical Review Research, 2021, 3, .	3.6	14
137	Measuring the Properties of Active Galactic Nuclei Disks with Gravitational Waves. Astrophysical Journal, 2022, 931, 82.	4.5	14
138	Flexible and Accurate Evaluation of Gravitational-wave Malmquist Bias with Machine Learning. Astrophysical Journal, 2022, 927, 76.	4.5	13
139	Ultrarelativistic astrophysics using multimessenger observations of double neutron stars with LISA and the SKA. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5408-5412.	4.4	12
140	When models fail: An introduction to posterior predictive checks and model misspecification in gravitational-wave astronomy. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	12
141	Is there a spectral turnover in the spin noise of millisecond pulsars?. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3264-3272.	4.4	11
142	Gravitational waves as a probe of globular cluster formation and evolution. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2362-2372.	4.4	11
143	Method for estimation of gravitational-wave transient model parameters in frequencyâ€"time maps. Classical and Quantum Gravity, 2014, 31, 165012.	4.0	10
144	All-sky, narrowband, gravitational-wave radiometry with folded data. Physical Review D, 2015, 91, .	4.7	10

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145	The astrophysical odds of GW151216. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1905-1910.	4.4	10
146	SEARCH FOR NEUTRINOS FROM GRB 080319B AT SUPER-KAMIOKANDE. Astrophysical Journal, 2009, 697, 730-734.	4.5	8
147	Prospects for searches for long-duration gravitational-waves without time slides. Physical Review D, 2015, 92, .	4.7	8
148	Memory effect or cosmic string? Classifying gravitational-wave bursts with Bayesian inference. Physical Review D, 2020, 102, .	4.7	8
149	Accelerated detection of the binary neutron star gravitational-wave background. Physical Review D, 2019, 100, .	4.7	7
150	Effects of transients in LIGO suspensions on searches for gravitational waves. Review of Scientific Instruments, 2017, 88, 124501.	1.3	6
151	Exploring a search for long-duration transient gravitational waves associated with magnetar bursts. Classical and Quantum Gravity, 2017, 34, 164002.	4.0	6
152	Did Goryachev <i>et al.</i> detect megahertz gravitational waves?. Physical Review D, 2021, 104, .	4.7	4
153	The Imprint of Superradiance on Hierarchical Black Hole Mergers. Astrophysical Journal, 2022, 931, 79.	4.5	3
154	Orbital Dynamics and Extreme Scattering Event Properties from Long-term Scintillation Observations of PSR J1603â^'7202. Astrophysical Journal, 2022, 933, 16.	4.5	3
155	Constraining temperature distribution inside LIGO test masses from frequencies of their vibrational modes. Physical Review D, 2021, 103, .	4.7	2
156	Optimized localization for gravitational waves from merging binaries. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3957-3965.	4.4	2
157	Suspending test masses in terrestrial millihertz gravitational-wave detectors: a case study with a magnetic assisted torsion pendulum. Classical and Quantum Gravity, 2017, 34, 105002.	4.0	1