

Nelson Christensen

List of Publications by Year in descending order

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Version: 2024-02-01

384
papers

73,358
citations

2101

100
h-index

529

266
g-index

396
all docs

396
docs citations

396
times ranked

18981
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data. <i>Physical Review D</i> , 2022, 105, .	4.7	31
2	Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006.	4.0	20
3	Ability of LISA to detect a gravitational-wave background of cosmological origin: The cosmic string case. <i>Physical Review D</i> , 2022, 105, .	4.7	26
4	Gravitational-wave geodesy: Defining false alarm probabilities with respect to correlated noise. <i>Physical Review D</i> , 2022, 105, .	4.7	2
5	Parameter estimation with gravitational waves. <i>Reviews of Modern Physics</i> , 2022, 94, .	45.6	30
6	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
7	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. <i>Physical Review D</i> , 2022, 105, .	4.7	21
8	Searches for Modulated γ -Ray Precursors to Compact Binary Mergers in Fermi-GBM Data. <i>Astrophysical Journal</i> , 2022, 930, 45.	4.5	4
9	Comparing inclination-dependent analyses of kilonova transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3057-3065.	4.4	34
10	Simultaneous estimation of astrophysical and cosmological stochastic gravitational-wave backgrounds with terrestrial detectors. <i>Physical Review D</i> , 2021, 103, .	4.7	33
11	Higher-order Hermite-Gauss modes for gravitational waves detection. <i>Physical Review D</i> , 2021, 103, .	4.7	16
12	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.	4.5	144
13	Inference of protoneutron star properties from gravitational-wave data in core-collapse supernovae. <i>Physical Review D</i> , 2021, 103, .	4.7	25
14	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> , 2021, 103, .	4.7	43
15	LIGO detector characterization in the second and third observing runs. <i>Classical and Quantum Gravity</i> , 2021, 38, 135014.	4.0	128
16	Spectral separation of the stochastic gravitational-wave background for LISA: Observing both cosmological and astrophysical backgrounds. <i>Physical Review D</i> , 2021, 103, .	4.7	37
17	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , 2021, 913, L27.	8.3	32
18	Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	8.3	514

#	ARTICLE	IF	CITATIONS
19	Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	8.3	453
20	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021, 103, .	4.7	338
21	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO–Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	7.8	87
22	Predicting electromagnetic counterparts using low-latency gravitational-wave data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4235-4248.	4.4	9
23	CWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, .	8.9	1,097
24	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo’s third observing run. <i>Physical Review D</i> , 2021, 104, .	4.7	192
25	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo’s first three observing runs. <i>Physical Review D</i> , 2021, 104, .	4.7	62
26	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3a. <i>Astrophysical Journal</i> , 2021, 915, 86.	4.5	20
27	Search for Long-duration Gravitational-wave Signals Associated with Magnetar Giant Flares. <i>Astrophysical Journal</i> , 2021, 918, 80.	4.5	4
28	Spectral separation of the stochastic gravitational-wave background for <i>LISA</i> in the context of a modulated Galactic foreground. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 803-826.	4.4	28
29	Identification of a Local Sample of Gamma-Ray Bursts Consistent with a Magnetar Giant Flare Origin. <i>Astrophysical Journal Letters</i> , 2021, 907, L28.	8.3	33
30	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, .	4.7	42
31	Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 921, 80.	4.5	39
32	Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537–6910. <i>Astrophysical Journal</i> , 2021, 922, 71.	4.5	29
33	Long-duration transient gravitational-wave search pipeline. <i>Physical Review D</i> , 2021, 104, .	4.7	4
34	Impact of Schumann resonances on the Einstein Telescope and projections for the magnetic coupling function. <i>Physical Review D</i> , 2021, 104, .	4.7	10
35	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO–Virgo’s Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	4.5	59
36	The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020, 116, 102386.	4.3	9

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37	The first six months of the Advanced LIGO [™] s and Advanced Virgo [™] s third observing run with GRANDMA. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3904-3927.	4.4	53
38	GRANDMA observations of advanced LIGO [™] s and advanced Virgo [™] s third observational campaign. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5518-5539.	4.4	63
39	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
40	Using machine learning for transient classification in searches for gravitational-wave counterparts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1320-1331.	4.4	10
41	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	4.5	12
42	GW190521: A Binary Black Hole Merger with a Total Mass of 150% . Physical Review Letters, 2020, 125, 101102.	7.8	35
43	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. Physical Review Letters, 2020, 125, 131101.	3.9	3
44	Computational techniques for parameter estimation of gravitational wave signals. Wiley Interdisciplinary Reviews: Computational Statistics, 2020, , e1532.	4.7	394
45	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, .	12.8	35
46	Measuring the Hubble constant with a sample of kilonovae. Nature Communications, 2020, 11, 4129.	0.3	0
47	Lasers and Optics for the Laser Interferometer Space Antenna (LISA). EPJ Web of Conferences, 2020, 243, 08001.	4.7	20
48	Identifying and addressing nonstationary LISA noise. Physical Review D, 2020, 102, .	8.3	1,090
49	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. Astrophysical Journal Letters, 2020, 896, L44.	8.3	1,049
50	GW190425: Observation of a Compact Binary Coalescence with Total Mass $3.4 M_{\odot}$. Astrophysical Journal Letters, 2020, 892, L3.	1.2	3
51	Numerical solutions for phase noise due to pointing jitter with the LISA telescope. Journal of Physics Communications, 2020, 4, 045005.	4.0	109
52	Model comparison from LIGO [™] -Virgo data on GW170817 [™] s binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006.	4.0	188
53	A guide to LIGO [™] -Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.	0.4	9
54	Advanced Virgo Status. Journal of Physics: Conference Series, 2020, 1342, 012010.		

#	ARTICLE	IF	CITATIONS
55	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, .	4.7	69
56	ELGAR&Ea European Laboratory for Gravitation and Atom-interferometric Research. <i>Classical and Quantum Gravity</i> , 2020, 37, 225017.	4.0	63
57	Detecting a stochastic gravitational-wave background in the presence of correlated magnetic noise. <i>Physical Review D</i> , 2020, 102, .	4.7	28
58	Standardizing kilonovae and their use as standard candles to measure the Hubble constant. <i>Physical Review Research</i> , 2020, 2, .	3.6	35
59	Stray light estimates due to micrometeoroid damage in space optics, application to the LISA telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, .	1.8	5
60	Properties and Astrophysical Implications of the 150 M_{\odot} Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
61	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	8.3	65
62	Search for advanced LIGO single interferometer compact binary coalescence signals in coincidence with Gamma-ray events in Fermi-GBM. <i>Classical and Quantum Gravity</i> , 2020, 37, 175001.	4.0	6
63	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, .	4.7	60
64	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015&E2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	4.5	88
65	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019, 100, .	4.7	102
66	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, .	4.7	54
67	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	7.8	370
68	Optimizing multitelescope observations of gravitational-wave counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5775-5783.	4.4	35
69	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.	4.5	72
70	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, .	4.7	52
71	Fermi-GBM Follow-up of LIGO-Virgo Binary Black Hole Mergers: Detection Prospects. <i>Astrophysical Journal</i> , 2019, 882, 53.	4.5	7
72	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO&E2019s Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119

73	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. Astrophysical Journal Letters, 2019, 882, L24.	8.3	566
74	LISA telescope: phase noise due to pointing jitter. Classical and Quantum Gravity, 2019, 36, 205003.	4.0	8
75	Directional limits on persistent gravitational waves using data from Advanced LIGO’s first two observing runs. Physical Review D, 2019, 100, .	4.7	52
76	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. Physical Review X, 2019, 9, .	8.9	2,022
77	Search for the isotropic stochastic background using data from Advanced LIGO’s second observing run. Physical Review D, 2019, 100, .	4.7	200
78	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.	8.3	145
79	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. Physical Review D, 2019, 99, .	4.7	22
80	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. Astrophysical Journal, 2019, 871, 90.	4.5	30
81	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO [*] . Astrophysical Journal, 2019, 875, 122.	4.5	61
82	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160.	4.5	97
83	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161.	4.5	71
84	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO’s Second Observing Run. Astrophysical Journal, 2019, 874, 163.	4.5	26
85	Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. Physical Review D, 2019, 99, .	4.7	10
86	Constraining the $\langle \rho \rangle$ -Mode Tidal Instability with GW170817. Physical Review Letters, 2019, 122, 061104.	7.8	36
87	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. Physical Review D, 2019, 100, .	4.7	470
88	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.	7.8	254
89	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. Astrophysical Journal, 2019, 886, 75.	4.5	29

91	Properties of the Binary Neutron Star Merger GW170817. Physical Review X, 2019, 9, .	8.9	728
92	Stochastic gravitational wave backgrounds. Reports on Progress in Physics, 2019, 82, 016903.	20.1	176
93	Bayesian nonparametric spectral density estimation using B-spline priors. Statistics and Computing, 2019, 29, 67-78.	1.5	29
94	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO’s first observing run. Classical and Quantum Gravity, 2018, 35, 065010.	4.0	94
95	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101.	7.8	166
96	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. Classical and Quantum Gravity, 2018, 35, 065009.	4.0	18
97	On the Interpretation of the Fermi-GBM Transient Observed in Coincidence with LIGO Gravitational-wave Event GW150914. Astrophysical Journal Letters, 2018, 853, L9.	8.3	30
98	First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104.	7.8	68
99	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
100	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. Physical Review D, 2018, 97, .	4.7	104
101	Fermi GBM Observations of GRB 150101B: A Second Nearby Event with a Short Hard Spike and a Soft Tail. Astrophysical Journal Letters, 2018, 863, L34.	8.3	28
102	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO’s First Observing Run. Physical Review Letters, 2018, 121, 231103.	7.8	77
103	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,473
104	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ ($h(t)$) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	41
105	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.3	9
106	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	85
107	Optimizing signal recycling for detecting a stochastic gravitational-wave background. Classical and Quantum Gravity, 2018, 35, 125002.	4.0	1

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109	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. Monthly Notices of the Royal Astronomical Society, 2018, 478, 692-702.	4.4	51
110	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, .	4.7	46
111	Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, .	4.7	88
112	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
113	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	4.0	735
114	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITOR AND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	4.5	32
115	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	4.7	69
116	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	4.0	98
117	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	4.7	72
118	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	194
119	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	84
120	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.5	131
121	Globally coherent short duration magnetic field transients and their effect on ground based gravitational-wave detectors. Classical and Quantum Gravity, 2017, 34, 074002.	4.0	25
122	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
123	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
124	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
125	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	7.8	6,413
126	An Ordinary Short Gamma-Ray Burst with Extraordinary Implications: Fermi-GBM Detection of GRB 170817A. Astrophysical Journal Letters, 2017, 848, L14.	8.3	1,038

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127	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
128	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
129	Fermi Observations of the LIGO Event GW170104. Astrophysical Journal Letters, 2017, 846, L5.	8.3	15
130	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .	4.7	73
131	All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .	4.7	64
132	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
133	Digging Deeper: Observing Primordial Gravitational Waves below the Binary-Black-Hole-Produced Stochastic Background. Physical Review Letters, 2017, 118, 151105.	7.8	106
134	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
135	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. Astrophysical Journal Letters, 2017, 850, L39.	8.3	156
136	Polarization-Based Tests of Gravity with the Stochastic Gravitational-Wave Background. Physical Review X, 2017, 7, .	8.9	65
137	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
138	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. Physical Review D, 2017, 95, .	4.7	19
139	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. Physical Review D, 2017, 95, .	4.7	59
140	Status of the Advanced Virgo gravitational wave detector. International Journal of Modern Physics A, 2017, 32, 1744003.	1.5	6
141	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	4.7	47
142	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, .	4.7	60
143	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.3	73
144	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	8.3	968

#	ARTICLE	IF	CITATIONS
145	Strategies and goals for stochastic gravitational wave background searches with Advanced LIGO and Advanced Virgo. , 2017, , .		1
146	Gravitational waves: A statistical autopsy of a black hole merger. Significance, 2016, 13, 20-25.	0.4	6
147	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
148	SUPPLEMENT: “THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914” (2016, ApJL, 833, L1). Astrophysical Journal, Supplement Series, 2016, 227, 14.	7.7	63
149	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
150	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	8.9	106
151	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. Physical Review D, 2016, 94, .	4.7	31
152	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	8.3	230
153	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	8.3	210
154	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. Physical Review D, 2016, 94, .	4.7	35
155	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. Physical Review D, 2016, 94, .	4.7	60
156	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR “BLACK HOLE MERGERS FROM ADVANCED LIGO”’S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	8.3	146
157	Directly comparing GW150914 with numerical solutions of Einstein”’s equations for binary black hole coalescence. Physical Review D, 2016, 94, .	4.7	102
158	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	4.7	29
159	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. Physical Review D, 2016, 93, .	4.7	17
160	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	4.7	32
161	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	4.7	315
162	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007”–2013. Physical Review D, 2016, 93, .	4.7	14

#	ARTICLE	IF	CITATIONS
163	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
164	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
165	SUPPLEMENT: “LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914” (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
166	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 826, L6.	8.3	246
167	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	4.7	119
168	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
169	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
170	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,701
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172	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
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