

James A Clark

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

40,725
citations

70961

41
h-index

174990

52
g-index

54
all docs

54
docs citations

54
times ranked

16147
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	2.9	8,753
2	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
3	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
4	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	2.9	2,701
5	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	3.0	2,314
6	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	2.9	1,987
7	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	1.5	1,929
8	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	2.9	1,600
9	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	2.9	1,473
10	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	2.9	1,224
11	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	1.5	1,029
12	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	3.0	968
13	GW190521: A Binary Black Hole Merger with a Total Mass of $150^{+9}_{-8} M_{\odot}$. Physical Review Letters, 2020, 125, 101102.	2.9	836
14	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
15	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	2.9	673
16	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	2.9	466
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
18	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427

#	ARTICLE	IF	CITATIONS
19	Properties and Astrophysical Implications of the 150 M _☉ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	3.0	406
20	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	2.9	370
21	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, .	1.6	315
22	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102.	2.9	269
23	Identifying a First-Order Phase Transition in Neutron-Star Mergers through Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 061102.	2.9	257
24	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
25	Bayesian inference for compact binary coalescences with <code>bilby</code> : validation and application to the first LIGO–Virgo gravitational-wave transient catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3295-3319.	1.6	213
26	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
27	A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	1.5	188
28	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	2.9	166
29	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
30	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
31	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO’s Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	2.9	119
32	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	2.9	85
33	Directional Limits on Persistent Gravitational Waves from Advanced LIGO’s First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102.	2.9	84
34	Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers. <i>Physical Review Letters</i> , 2020, 125, 141103.	2.9	80
35	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO’s First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	2.9	77
36	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	0.9	69

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37	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104.	2.9	68
38	BayesWave analysis pipeline in the era of gravitational wave observations. <i>Physical Review D</i> , 2021, 103, .	1.6	65
39	Noise spectral estimation methods and their impact on gravitational wave measurement of compact binary mergers. <i>Physical Review D</i> , 2019, 100, .	1.6	54
40	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
41	Tracking Black Hole Kicks from Gravitational-Wave Observations. <i>Physical Review Letters</i> , 2018, 121, 191102.	2.9	42
42	Constraining the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Mode $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.	2.9	36
43	Detection and parameter estimation of binary neutron star merger remnants. <i>Physical Review D</i> , 2020, 102, .	1.6	23
44	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.	1.6	20
45	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	1.8	20
46	Reconstructing gravitational wave signals from binary black hole mergers with minimal assumptions. <i>Physical Review D</i> , 2020, 102, .	1.6	19
47	Constraining the gravitational-wave afterglow from a binary neutron star coalescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4945-4951.	1.6	15
48	Investigating the relation between gravitational wave tests of general relativity. <i>Physical Review D</i> , 2022, 105, .	1.6	13
49	Constraints on Short, Hard Gamma-Ray Burst Beaming Angles from Gravitational Wave Observations. <i>Astrophysical Journal</i> , 2018, 858, 79.	1.6	12
50	Inferring Parameters of GW170502: The Loudest Intermediate-mass Black Hole Trigger in LIGO’s O1/O2 data. <i>Astrophysical Journal</i> , 2020, 900, 80.	1.6	10
51	Post-merger chirps from binary black holes as probes of the final black-hole horizon. <i>Communications Physics</i> , 2020, 3, .	2.0	7
52	Measuring Spin of the Remnant Black Hole from Maximum Amplitude. <i>Physical Review Letters</i> , 2019, 123, 151101.	2.9	6
53	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
54	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1