

James A Clark

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

40,725
citations

71102

41
h-index

175258

52
g-index

54
all docs

54
docs citations

54
times ranked

16147
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the relation between gravitational wave tests of general relativity. Physical Review D, 2022, 105, .	4.7	13
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	BayesWave analysis pipeline in the era of gravitational wave observations. Physical Review D, 2021, 103, .	4.7	65
4	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
5	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO&Virgo Run O3a. Astrophysical Journal, 2021, 915, 86.	4.5	20
6	Post-merger chirps from binary black holes as probes of the final black-hole horizon. Communications Physics, 2020, 3, .	5.3	7
7	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
8	Detection and parameter estimation of binary neutron star merger remnants. Physical Review D, 2020, 102, .	4.7	23
9	Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers. Physical Review Letters, 2020, 125, 141103.	7.8	80
10	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. Physical Review Letters, 2020, 125, 101102.	7.8	80
11	Reconstructing gravitational wave signals from binary black hole mergers with minimal assumptions. Physical Review D, 2020, 102, .	4.7	19
12	Bayesian inference for compact binary coalescences with <code>bilby</code> : validation and application to the first LIGO&Virgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319.	4.4	213
13	A guide to LIGO&Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.	4.0	188
14	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
15	Inferring Parameters of GW170502: The Loudest Intermediate-mass Black Hole Trigger in LIGO&Virgo's O1/O2 data. Astrophysical Journal, 2020, 900, 80.	4.5	10
16	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	8.3	406
17	Tests of General Relativity with GW170817. Physical Review Letters, 2019, 123, 011102.	7.8	370
18	Measuring Spin of the Remnant Black Hole from Maximum Amplitude. Physical Review Letters, 2019, 123, 151101.	7.8	6

#	ARTICLE	IF	CITATIONS
19	Noise spectral estimation methods and their impact on gravitational wave measurement of compact binary mergers. <i>Physical Review D</i> , 2019, 100, .	4.7	54
20	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	7.8	119
21	Constraining the $\langle p \rangle$ -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.	7.8	36
22	Identifying a First-Order Phase Transition in Neutron-Star Mergers through Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 061102.	7.8	257
23	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	7.8	166
24	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104.	7.8	68
25	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
26	Tracking Black Hole Kicks from Gravitational-Wave Observations. <i>Physical Review Letters</i> , 2018, 121, 191102.	7.8	42
27	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	7.8	77
28	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101.	7.8	1,473
29	Constraints on Short, Hard Gamma-Ray Burst Beaming Angles from Gravitational Wave Observations. <i>Astrophysical Journal</i> , 2018, 858, 79.	4.5	12
30	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	7.8	85
31	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
32	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101.	7.8	194
33	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102.	7.8	84
34	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
35	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017, 119, 141101.	7.8	1,600
36	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	7.8	6,413

#	ARTICLE	IF	CITATIONS
37	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
38	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
39	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
40	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
41	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	8.3	968
42	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
43	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
44	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
45	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	4.7	315
46	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
47	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
48	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
49	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
50	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,701
51	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	7.8	8,753
52	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1
53	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
54	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	4.0	1,929