

Saleem Muhammed

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,913
citations

840776

11
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
3	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225
4	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
5	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
6	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.	4.5	52
7	The science case for LIGO-India. <i>Classical and Quantum Gravity</i> , 2022, 39, 025004.	4.0	48
8	Constraints on the binary black hole nature of GW151226 and GW170608 from the measurement of spin-induced quadrupole moments. <i>Physical Review D</i> , 2019, 100, .	4.7	23
9	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
10	Investigating the relation between gravitational wave tests of general relativity. <i>Physical Review D</i> , 2022, 105, .	4.7	13
11	Prospects of joint detections of neutron star mergers and short GRBs with Gaussian structured jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1633-1639.	4.4	11
12	Population inference of spin-induced quadrupole moments as a probe for nonblack hole compact binaries. <i>Physical Review D</i> , 2022, 105, .	4.7	11
13	Rates of short-GRB afterglows in association with binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 699-707.	4.4	10
14	Parametrized tests of post-Newtonian theory using principal component analysis. <i>Physical Review D</i> , 2022, 105, .	4.7	10
15	Exploring short-GRB afterglow parameter space for observations in coincidence with gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5340-5350.	4.4	9
16	On the Energetics of a Possible Relativistic Jet Associated with the Binary Neutron Star Merger Candidate S190425z. <i>Astrophysical Journal</i> , 2020, 891, 130.	4.5	4
17	Inferring Kilonova Population Properties with a Hierarchical Bayesian Framework. I. Nondetection Methodology and Single-event Analyses. <i>Astrophysical Journal</i> , 2022, 925, 58.	4.5	3
18	Hardware-accelerated inference for real-time gravitational-wave astronomy. <i>Nature Astronomy</i> , 2022, 6, 529-536.	10.1	3

#	ARTICLE	IF	CITATIONS
19	Imprints of the redshift evolution of double neutron star merger rate on the signal-to-noise ratio distribution. Monthly Notices of the Royal Astronomical Society, 2020, 496, 523-531.	4.4	2
20	Detectability of electromagnetic counterparts from neutron star mergers: prompt emission versus afterglow. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2356-2366.	4.4	1