

Nikhil Sarin

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,642
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 27.	7.7	526
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	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.	4.4	213
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	Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	114
6	The evolution of binary neutron star post-merger remnants: a review. <i>General Relativity and Gravitation</i> , 2021, 53, 1.	2.0	50
7	Gravitational waves or deconfined quarks: What causes the premature collapse of neutron stars born in short gamma-ray bursts?. <i>Physical Review D</i> , 2020, 101, .	4.7	32
8	X-ray guided gravitational-wave search for binary neutron star merger remnants. <i>Physical Review D</i> , 2018, 98, .	4.7	28
9	Linking the rates of neutron star binaries and short gamma-ray bursts. <i>Physical Review D</i> , 2022, 105, .	4.7	21
10	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
11	X-Ray Afterglows of Short Gamma-Ray Bursts: Magnetar or Fireball?. <i>Astrophysical Journal</i> , 2019, 872, 114.	4.5	19
12	Interpreting the X-ray afterglows of gamma-ray bursts with radiative losses and millisecond magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5986-5992.	4.4	14
13	Inferring properties of neutron stars born in short gamma-ray bursts with a plerion-like X-ray plateau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2843-2855.	4.4	4
14	Multimessenger astronomy with a kHz-band gravitational-wave observatory. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	4
15	Neutron star merger remnants: Braking indices, gravitational waves, and the equation of state. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
16	Low-efficiency long gamma-ray bursts: a case study with AT2020blt. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1391-1399.	4.4	3