Nikhil Sarin

List of Publications by Year
in descending order

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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	Multimessenger astronomy with a kHz-band gravitational-wave observatory. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	4
2	Low-efficiency long gamma-ray bursts: a case study with AT2020blt. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1391-1399.	4.4	3
3	Linking the rates of neutron star binaries and short gamma-ray bursts. Physical Review D, 2022, 105, .	4.7	21
4	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
5	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
6	The evolution of binary neutron star post-merger remnants: a review. General Relativity and Gravitation, 2021, 53, 1.	2.0	50
7	Inferring properties of neutron stars born in short gamma-ray bursts with a plerion-like X-ray plateau. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2843-2855.	4.4	4
8	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
9	Neutron Star Extreme Matter Observatory: A kilohertz-band gravitational-wave detector in the global network. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	114
10	Bayesian inference for compact binary coalescences with <scp>bilby</scp>: validation and application to the first LIGOâ€“Virgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319.	4.4	213
11	Gravitational waves or deconfined quarks: What causes the premature collapse of neutron stars born in short gamma-ray bursts?. Physical Review D, 2020, 101, .	4.7	32
12	Interpreting the X-ray afterglows of gamma-ray bursts with radiative losses and millisecond magnetars. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5986-5992.	4.4	14
13	Neutron star merger remnants: Braking indices, gravitational waves, and the equation of state. AIP Conference Proceedings, 2019, , .	0.4	3
14	X-Ray Afterglows of Short Gamma-Ray Bursts: Magnetar or Fireball?. Astrophysical Journal, 2019, 872, 114.	4.5	19
15	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. Astrophysical Journal, Supplement Series, 2019, 241, 27.	7.7	526
16	X-ray guided gravitational-wave search for binary neutron star merger remnants. Physical Review D, 2018, 98, .	4.7	28