

Anuradha Samajdar

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

3,522
citations

331670

21
h-index

580821

25
g-index

26
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26
docs citations

26
times ranked

4140
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
2	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
3	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
4	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
5	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
6	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4970-4993.	4.4	184
7	Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. Physical Review D, 2019, 99, .	4.7	144
8	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
9	Improving the NRTidal model for binary neutron star systems. Physical Review D, 2019, 100, .	4.7	119
10	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
11	Interpreting binary neutron star mergers: describing the binary neutron star dynamics, modelling gravitational waveforms, and analyzing detections. General Relativity and Gravitation, 2021, 53, 1.	2.0	67
12	Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. Physical Review D, 2018, 98, .	4.7	61
13	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
14	A morphology-independent data analysis method for detecting and characterizing gravitational wave echoes. Physical Review D, 2018, 98, .	4.7	43
15	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ (t) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	41
16	A morphology-independent search for gravitational wave echoes in data from the first and second observing runs of Advanced LIGO and Advanced Virgo. Physical Review D, 2020, 101, .	4.7	41
17	Parametrized tests of the strong-field dynamics of general relativity using gravitational wave signals from coalescing binary black holes: Fast likelihood calculations and sensitivity of the method. Physical Review D, 2018, 97, .	4.7	40
18	Waveform systematics for binary neutron star gravitational wave signals: Effects of the point-particle baseline and tidal descriptions. Physical Review D, 2018, 98, .	4.7	37

#	ARTICLE	IF	CITATIONS
19	Biases in parameter estimation from overlapping gravitational-wave signals in the third-generation detector era. <i>Physical Review D</i> , 2021, 104, .	4.7	25
20	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
21	Waveform systematics for binary neutron star gravitational wave signals: Effects of spin, precession, and the observation of electromagnetic counterparts. <i>Physical Review D</i> , 2019, 100, .	4.7	23
22	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
23	Projected constraints on the dispersion of gravitational waves using advanced ground- and space-based interferometers. <i>Physical Review D</i> , 2017, 96, .	4.7	16
24	Probing resonant excitations in exotic compact objects via gravitational waves. <i>Physical Review D</i> , 2020, 102, .	4.7	7
25	Constructing Love-Q relations with gravitational wave detections. <i>Physical Review D</i> , 2020, 101, .	4.7	6
26	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2