Anuradha Samajdar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2805459/publications.pdf

Version: 2024-02-01

26 papers	3,522 citations	331259 21 h-index	580395 25 g-index
26 all docs	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.	8.2	808
2	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
3	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
4	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
5	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	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.	1.6	184
7	Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. Physical Review D, 2019, 99, .	1.6	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.	1.6	144
9	Improving the NRTidal model for binary neutron star systems. Physical Review D, 2019, 100, .	1.6	119
10	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	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.	0.7	67
12	Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. Physical Review D, 2018, 98, .	1.6	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.	1.6	52
14	A morphology-independent data analysis method for detecting and characterizing gravitational wave echoes. Physical Review D, 2018, 98, .	1.6	43
15	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (t) Tj ETQq1 1 0.784314 rgBT /Ove	1.5	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, .	1.6	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, .	1.6	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, .	1.6	37

#	Article	IF	Citations
19	Biases in parameter estimation from overlapping gravitational-wave signals in the third-generation detector era. Physical Review D, 2021, 104, .	1.6	25
20	Constraints on the binary black hole nature of GW151226 and GW170608 from the measurement of spin-induced quadrupole moments. Physical Review D, 2019, 100, .	1.6	23
21	Waveform systematics for binary neutron star gravitational wave signals: Effects of spin, precession, and the observation of electromagnetic counterparts. Physical Review D, 2019, 100, .	1.6	23
22	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
23	Projected constraints on the dispersion of gravitational waves using advanced ground- and space-based interferometers. Physical Review D, 2017, 96, .	1.6	16
24	Probing resonant excitations in exotic compact objects via gravitational waves. Physical Review D, 2020, 102, .	1.6	7
25	Constructing Love-Q relations with gravitational wave detections. Physical Review D, 2020, 101, .	1.6	6
26	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2