Archisman Ghosh

List of Publications by Year
in descending order

29 papers	2,844 citations	361413 20 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	3603 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	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	4.0	735
3	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 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. Astrophysical Journal, 2021, 909, 218.	4.5	144
5	Cosmological inference using gravitational wave standard sirens: A mock data analysis. Physical Review D, 2020, 101, .	4.7	95
6	Conformal invariance and the four point scalar correlator in slow-roll inflation. Journal of High Energy Physics, 2014, 2014, 1.	4.7	89
7	Testing general relativity using golden black-hole binaries. Physical Review D, 2016, 94, .	4.7	80
8	Testing general relativity using gravitational wave signals from the inspiral, merger and ringdown of binary black holes. Classical and Quantum Gravity, 2018, 35, 014002.	4.0	72
9	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
10	Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. Physical Review D, 2018, 98, .	4.7	61
11	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
12	Integrability lost: Chaotic dynamics of classical strings on a confining holographic background. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 388-393.	4.1	45
13	A morphology-independent data analysis method for detecting and characterizing gravitational wave echoes. Physical Review D, 2018, 98, .	4.7	43
14	Chaos around holographic Regge trajectories. Journal of High Energy Physics, 2012, 2012, 1.	4.7	42
15	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (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	High frequency quasi-normal modes for black holes with generic singularities: II. Asymptotically non-flat spacetimes. Classical and Quantum Gravity, 2006, 23, 1851-1874.	4.0	30

#	Article	IF	Citations
19	Estimating parameters of binary black holes from gravitational-wave observations of their inspiral, merger, and ringdown. Physical Review D, 2016, 94, .	4.7	26
20	Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3. Classical and Quantum Gravity, 2022, 39, 045006.	4.0	20
21	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
22	Slowly varying dilaton cosmologies and their field theory duals. Physical Review D, 2009, 80, .	4.7	14
23	Confining backgrounds and quantum chaos in holography. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 50-55.	4.1	14
24	On dumb holes and their gravity duals. Journal of High Energy Physics, 2011, 2011, 1.	4.7	12
25	Population inference of spin-induced quadrupole moments as a probe for nonblack hole compact binaries. Physical Review D, 2022, 105, .	4.7	11
26	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.3	9
27	Geographic and Annual Influences on Optical Follow-up of Gravitational Wave Events. Astrophysical Journal, 2017, 838, 46.	4.5	3
28	Dissipative nonlinear dynamics in holography. Physical Review D, 2014, 89, .	4.7	2
29	Status of the Advanced Virgo Gravitational Wave Detector. , 2018, , .		1