Shasvath J Kapadia

List of Publications by Year
in descending order

21 papers	595 citations	623574 14 h-index	713332 21 g-index
21 all docs	21 docs citations	21 times ranked	1534 citing authors

#	Article	IF	Citations
1	Constraints on Compact Dark Matter from Gravitational Wave Microlensing. Astrophysical Journal Letters, 2022, 926, L28.	3.0	18
2	Can a binary neutron star merger in the vicinity of a supermassive black hole enable a detection of a post-merger gravitational wave signal?. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3577-3586.	1.6	5
3	Improved early warning of compact binary mergers using higher modes of gravitational radiation: a population study. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1612-1622.	1.6	7
4	Search for the Stochastic Gravitational-wave Background Induced by Primordial Curvature Perturbations in LIGOâ€™s Second Observing Run. Astrophysical Journal Letters, 2021, 910, L4.	3.0	19
5	Template bank for spinning compact binary mergers in the second observation run of Advanced LIGO and the first observation run of Advanced Virgo. Physical Review D, 2021, 103, .	1.6	14
6	First Demonstration of Early Warning Gravitational-wave Alerts. Astrophysical Journal Letters, 2021, 910, L21.	3.0	33
7	Constraints on the Time Variation of the Gravitational Constant Using Gravitational Wave Observations of Binary Neutron Stars. Physical Review Letters, 2021, 126, 141104.	2.9	30
8	Rapid identification of strongly lensed gravitational-wave events with machine learning. Physical Review D, 2021, 104, .	1.6	10
9	Prospects for probing ultralight primordial black holes using the stochastic gravitational-wave background induced by primordial curvature perturbations. Physical Review D, 2020, 101, .	1.6	12
10	A self-consistent method to estimate the rate of compact binary coalescences with a Poisson mixture model. Classical and Quantum Gravity, 2020, 37, 045007.	1.5	35
11	Fast evaluation of multidetector consistency for real-time gravitational wave searches. Physical Review D, 2020, 101, .	1.6	51
12	A Machine Learning-based Source Property Inference for Compact Binary Mergers. Astrophysical Journal, 2020, 896, 54.	1.6	28
13	Of Harbingers and Higher Modes: Improved Gravitational-wave Early Warning of Compact Binary Mergers. Astrophysical Journal Letters, 2020, 898, L39.	3.0	14
14	An Early-warning System for Electromagnetic Follow-up of Gravitational-wave Events. Astrophysical Journal Letters, 2020, 905, L25.	3.0	48
15	Sub-threshold Binary Neutron Star Search in Advanced LIGOâ€™s First Observing Run. Astrophysical Journal Letters, 2019, 878, L17.	3.0	21
16	Prospects of detecting the nonlinear gravitational wave memory. Physical Review D, 2019, 99, .	1.6	24
17	Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. Physical Review D, 2019, 99, .	1.6	144
18	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. Monthly Notices of the Royal Astronomical Society, 2018, 478, 692-702.	1.6	51

#	Article	IF	Citations
19	Estimating effective higher order terms in the post-Newtonian binding energy and gravitational-wave flux: Nonspinning compact binary inspiral. Physical Review D, 2016, 93, .	1.6	3
20	Superradiance-tidal friction correspondence. Physical Review D, 2014, 89, .	1.6	18
21	Do floating orbits in extreme mass ratio binary black holes exist?. Physical Review D, 2013, 87, .	1.6	10