

Nikhil Mukund

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6542903/publications.pdf>

Version: 2024-02-01

23
papers

2,160
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

3232
citing authors

#	ARTICLE	IF	CITATIONS
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	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
3	A machine learning approach for GRB detection in <i>AstroSat</i> CZTI data. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3084-3091.	4.4	2
4	Improving significance of binary black hole mergers in Advanced LIGO data using deep learning: Confirmation of GW151216. Physical Review D, 2021, 104, .	4.7	12
5	First Demonstration of 6ÂdB Quantum Noise Reduction in a Kilometer Scale Gravitational Wave Observatory. Physical Review Letters, 2021, 126, 041102.	7.8	50
6	Direct limits for scalar field dark matter from a gravitational-wave detector. Nature, 2021, 600, 424-428.	27.8	43
7	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
8	Bilinear noise subtraction at the GEO 600 observatory. Physical Review D, 2020, 101, .	4.7	8
9	Improving the robustness of the advanced LIGO detectors to earthquakes. Classical and Quantum Gravity, 2020, 37, 235007.	4.0	11
10	Effect of induced seismicity on advanced gravitational wave interferometers. Classical and Quantum Gravity, 2019, 36, 10LT01.	4.0	5
11	Ground motion prediction at gravitational wave observatories using archival seismic data. Classical and Quantum Gravity, 2019, 36, 085005.	4.0	11
12	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. Physical Review D, 2019, 99, .	4.7	77
13	Control strategy to limit duty cycle impact of earthquakes on the LIGO gravitational-wave detectors. Classical and Quantum Gravity, 2018, 35, 055004.	4.0	22
14	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
15	An Information Retrieval and Recommendation System for Astronomical Observatories. Astrophysical Journal, Supplement Series, 2018, 235, 22.	7.7	9
16	Implications of Dedicated Seismometer Measurements on Newtonian-Noise Cancellation for Advanced LIGO. Physical Review Letters, 2018, 121, 221104.	7.8	35
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
18	Limiting the effects of earthquakes on gravitational-wave interferometers. Classical and Quantum Gravity, 2017, 34, 044004.	4.0	17

#	ARTICLE	IF	CITATIONS
19	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
20	Transient classification in LIGO data using difference boosting neural network. <i>Physical Review D</i> , 2017, 95, .	4.7	57
21	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
22	Towards a first design of a Newtonian-noise cancellation system for Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2016, 33, 244001.	4.0	34
23	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225