

Naoki Aritomi

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,333
citations

567281

15
h-index

501196

28
g-index

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all docs

28
docs citations

28
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
2	Current status of space gravitational wave antenna DECIGO and B-DECIGO. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	150
3	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO–Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	7.8	87
4	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
5	Space gravitational-wave antennas DECIGO and B-DECIGO. <i>International Journal of Modern Physics D</i> , 2019, 28, 1845001.	2.1	73
6	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	66
7	Frequency-Dependent Squeezed Vacuum Source for Broadband Quantum Noise Reduction in Advanced Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2020, 124, 171101.	7.8	63
8	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 165008.	4.0	45
9	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, .	4.7	42
10	All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	33
11	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. <i>Astrophysical Journal</i> , 2022, 932, 133.	4.5	33
12	Overview of KAGRA: KAGRA science. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	31
13	Constraints on dark photon dark matter using data from LIGO–Virgo’s third observing run. <i>Physical Review D</i> , 2022, 105, .	4.7	27
14	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
15	All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	19
16	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3b. <i>Astrophysical Journal</i> , 2022, 928, 186.	4.5	15
17	Torsion-Bar Antenna: A ground-based mid-frequency and low-frequency gravitational wave detector. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940003.	2.1	14
18	The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. <i>Galaxies</i> , 2022, 10, 63.	3.0	13

#	ARTICLE	IF	CITATIONS
19	Seismic cross-coupling noise in torsion pendulums. <i>Physical Review D</i> , 2018, 97, .	4.7	12
20	Prospects for improving the sensitivity of the cryogenic gravitational wave detector KAGRA. <i>Physical Review D</i> , 2020, 102, .	4.7	12
21	The status of KAGRA underground cryogenic gravitational wave telescope. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012014.	0.4	12
22	An arm length stabilization system for KAGRA and future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 035004.	4.0	10
23	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095015.	4.0	9
24	Application of independent component analysis to the iKAGRA data. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	7
25	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2021, 38, 065011.	4.0	7
26	Control of a filter cavity with coherent control sidebands. <i>Physical Review D</i> , 2020, 102, .	4.7	6
27	Compact integrated optical sensors and electromagnetic actuators for vibration isolation systems in the gravitational-wave detector KAGRA. <i>Review of Scientific Instruments</i> , 2020, 91, 115001.	1.3	5
28	Improving the stability of frequency-dependent squeezing with bichromatic control of filter cavity length, alignment, and incident beam pointing. <i>Physical Review D</i> , 2022, 105, .	4.7	2