

Jun Gyu Park

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

928
citations

1040056

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839539

18
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docs citations

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times ranked

1719
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	Overview of KAGRA: Detector design and construction history. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	198
3	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
4	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
5	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 165008.	4.0	45
6	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
7	High-precision tilt sensor using a folded Mach-Zehnder geometry in-phase and quadrature interferometer. <i>Applied Optics</i> , 2016, 55, 2155.	2.1	11
8	An arm length stabilization system for KAGRA and future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 035004.	4.0	10
9	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
10	Demonstration for a two-axis interferometric tilt sensor in KAGRA. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1950-1955.	2.1	8
11	Application of independent component analysis to the iKAGRA data. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	7
12	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
13	Scanning balanced-path homodyne I/Q-interferometer scheme and its applications. <i>Optics Letters</i> , 2015, 40, 2457.	3.3	6
14	Effect of higher-order diffraction on the interference formed by Bragg scattering for large size optical surfaces. <i>Results in Physics</i> , 2020, 16, 102968.	4.1	6
15	Bragg scattering from a millimeter-scale periodic structure with extremely small aspect ratios. <i>Optics Express</i> , 2019, 27, 21677.	3.4	5
16	Dual subaperture stitching for large flat mirror testing. <i>Applied Optics</i> , 2020, 59, 8681.	1.8	5
17	Development of a Reflective 193-nm DUV Microscope System for Defect Inspection of Large Optical Surfaces. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5205.	2.5	3
18	Novel Approach to Improve the Optical Performance by Machining Process Without Surface Finishing. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 1381-1392.	4.9	2

#	ARTICLE	IF	CITATIONS
19	Constant-phase scanning heterodyne interferometer. , 2011, , .		0