

# Jun Gyu Park

## List of Publications by Year in descending order

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19  
papers

928  
citations

1040056

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h-index

839539

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g-index

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all docs

19  
docs citations

19  
times ranked

1719  
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	Overview of KAGRA: Detector design and construction history. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	198
3	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	66
4	Novel Approach to Improve the Optical Performance by Machining Process Without Surface Finishing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 1381-1392.	4.9	2
5	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
6	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
7	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
8	Effect of higher-order diffraction on the interference formed by Bragg scattering for large size optical surfaces. Results in Physics, 2020, 16, 102968.	4.1	6
9	An arm length stabilization system for KAGRA and future gravitational-wave detectors. Classical and Quantum Gravity, 2020, 37, 035004.	4.0	10
10	Dual subaperture stitching for large flat mirror testing. Applied Optics, 2020, 59, 8681.	1.8	5
11	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	4.0	45
12	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. Classical and Quantum Gravity, 2019, 36, 095015.	4.0	9
13	Development of a Reflective 193-nm DUV Microscope System for Defect Inspection of Large Optical Surfaces. Applied Sciences (Switzerland), 2019, 9, 5205.	2.5	3
14	Bragg scattering from a millimeter-scale periodic structure with extremely small aspect ratios. Optics Express, 2019, 27, 21677.	3.4	5
15	Demonstration for a two-axis interferometric tilt sensor in KAGRA. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1950-1955.	2.1	8
16	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73
17	High-precision tilt sensor using a folded Mach-Zehnder geometry in-phase and quadrature interferometer. Applied Optics, 2016, 55, 2155.	2.1	11
18	Scanning balanced-path homodyne I/Q-interferometer scheme and its applications. Optics Letters, 2015, 40, 2457.	3.3	6

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