

Heung-Sik Kang

List of Publications by Year in descending order

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19
papers

677
citations

1040056

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996975

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22
all docs

22
docs citations

22
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Hard X-ray free-electron laser with femtosecond-scale timing jitter. <i>Nature Photonics</i> , 2017, 11, 708-713.	31.4	389
2	Construction and Commissioning of PAL-XFEL Facility. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 479.	2.5	108
3	High-brightness self-seeded X-ray free-electron laser covering the 3.5â€‰keV to 14.6â€‰keV range. <i>Nature Photonics</i> , 2021, 15, 435-441.	31.4	47
4	FEL performance achieved at PAL-XFEL using a three-chicane bunch compression scheme. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1127-1138.	2.4	30
5	PAL-XFEL soft X-ray scientific instruments and X-ray optics: First commissioning results. <i>Review of Scientific Instruments</i> , 2018, 89, 055105.	1.3	23
6	Hard X-ray self-seeding commissioning at PAL-XFEL. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1101-1109.	2.4	17
7	Time-resolved resonant elastic soft x-ray scattering at Pohang Accelerator Laboratory X-ray Free Electron Laser. <i>Review of Scientific Instruments</i> , 2020, 91, 083904.	1.3	14
8	Attosecond XFEL for pumpâ€“probe experiments. <i>Nature Photonics</i> , 2020, 14, 7-8.	31.4	13
9	Recent Progress of the PAL-XFEL. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1010.	2.5	10
10	X-ray free electron laser tuning for variable-gap undulators. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	9
11	Development of PAL-XFEL undulator system. <i>Journal of the Korean Physical Society</i> , 2017, 71, 744-751.	0.7	7
12	Use of the BINP HLS to measure vertical changes in the locations of the building and ground at the PAL-XFEL. <i>Journal of the Korean Physical Society</i> , 2016, 69, 998-1004.	0.7	5
13	2D WPS System for Measuring the Location Changes in Real Time of PAL-XFEL Devices. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1034-1041.	0.7	1
14	Coherent synchrotron radiation monitor for microbunching instability in XFEL. <i>Review of Scientific Instruments</i> , 2018, 89, 063302.	1.3	1
15	Stripline beam position monitor for X-ray free electron laser of Pohang Accelerator Laboratory. <i>Review of Scientific Instruments</i> , 2019, 90, 093306.	1.3	1
16	Achievement and prospect of the PAL-XFEL. <i>Journal of the Korean Physical Society</i> , 2022, 80, 684-692.	0.7	1
17	Control of reference orbit using wire position sensor for X-ray free electron laser. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1000, 165250.	1.6	0
18	FEL Simulation of New Hard X-ray Undulator Line at PAL-XFEL. <i>Journal of the Korean Physical Society</i> , 2020, 77, 429-437.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Control Scheme of Phase-Shifter for Photon Energy Scan. Photonics, 2022, 9, 418.	2.0	0