

# Ji-Gwang Hwang

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

157  
citations

1478505

6  
h-index

1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Experimental Validation of High-Resolution Single-Shot Emittance Diagnostics for Heavy-Ion Beams. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	3
2	Monitoring the size of low-intensity beams at plasma-wakefield accelerators using high-resolution interferometry. Communications Physics, 2021, 4, .	5.3	0
3	Beam halo measurements for special bunches in a storage ring by using a coronagraph. Review of Scientific Instruments, 2021, 92, 123302.	1.3	0
4	Radiation Generation with an Existing Demonstrator of an Energy-Recovery Continuous-Wave Superconducting RF Accelerator. Journal of the Korean Physical Society, 2020, 77, 337-343.	0.7	0
5	Measurement of bunch length and temporal distribution using accelerating radio frequency cavity in low-emittance injector. Scientific Reports, 2020, 10, 18905.	3.3	2
6	Analytical and numerical analysis of longitudinally coupled transverse dynamics of Pulse Picking by Resonant Excitation in storage rings serving timing and high-flux users simultaneously. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 387-392.	1.6	4
7	Generation of femtosecond extreme ultraviolet pulses using low-energy electron beams for a pump-probe experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 906, 159-163.	1.6	1
8	Effects of mirror distortion by thermal deformation in an interferometry beam size monitor system at PLS-II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 156-164.	1.6	3
9	High precision capacitive beam phase probe for KHIMA project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 34-39.	1.6	3
10	Beam Dynamics for High-Power Superconducting Heavy-Ion Linear Accelerator of RAON. IEEE Transactions on Nuclear Science, 2016, 63, 992-1000.	2.0	10
11	Development of an S-band cavity-type beam position monitor for a high power THz free-electron laser. Review of Scientific Instruments, 2015, 86, 014703.	1.3	2
12	Start-to-end simulations for beam dynamics in the RISP heavy-ion accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 794, 215-223.	1.6	11
13	A design study for a compact two stage in-flight separator with a high mass resolution and large acceptance. Review of Scientific Instruments, 2015, 86, 033106.	1.3	0
14	Design of the RAON accelerator systems. Journal of the Korean Physical Society, 2014, 65, 1010-1019.	0.7	74
15	Minimization of the emittance growth of multi-charge particle beams in the charge stripping section of RAON. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 153-158.	1.6	9
16	Analysis on effects of transverse electric field in an injector cavity of compact-ERL at KEK. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 753, 97-104.	1.6	7
17	Design study of an in-flight projectile fragment separator for rare isotope beams. Current Applied Physics, 2013, 13, 189-195.	2.4	5
18	Mirror symmetric optics design for charge-stripping section in Rare Isotope Science Project. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 266-270.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Design of medium energy beam transport for the rare isotope science project. Journal of the Korean Physical Society, 2013, 63, 1249-1252.	0.7	3
20	Effects of space charge in a compact superconducting energy recovery linac with a low energy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 684, 18-26.	1.6	4
21	Parameter Optimizations and Performances for the Low-Charge Beams in PAL Free-Electron Laser. IEEE Transactions on Nuclear Science, 2011, 58, 2000-2010.	2.0	3
22	Beam-size Measurements by Using a Synchrotron Radiation Interferometer. Journal of the Korean Physical Society, 2011, 58, 35-38.	0.7	2
23	Two-dimensional SR Interferometer for PLS-II. Journal of the Korean Physical Society, 2011, 58, 725-729.	0.7	7
24	Study of Resonance Effects in an Electron Storage Ring by Using a Frequency Map Analysis. New Physics: Sae Mulli, 2011, 61, 180-182.	0.1	0
25	Effects of Resistive Wall Impedance in PLS-II Storage Ring. Journal of the Korean Physical Society, 2010, 56, 1957-1959.	0.7	0