

Gwanghui Ha

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

270
citations

933264

10
h-index

887953

17
g-index

24
all docs

24
docs citations

24
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap for Structure-based Wakefield Accelerator (SWFA) R&D and its challenges in beam dynamics. Journal of Instrumentation, 2022, 17, T05007.	0.5	5
2	Generation of 565ÂMW of X -band power using a metamaterial power extractor for structure-based wakefield acceleration. Physical Review Accelerators and Beams, 2022, 25, .	0.6	0
3	Drive beam sources and longitudinal shaping techniques for beam driven accelerators. Journal of Instrumentation, 2022, 17, P05036.	0.5	2
4	Bunch shaping in electron linear accelerators. Reviews of Modern Physics, 2022, 94, .	16.4	9
5	Single-shot measurement of transverse second moments using the projection method. Physical Review Accelerators and Beams, 2021, 24, .	0.6	0
6	Demonstration of nitrogen-incorporated ultrananocrystalline diamond photocathodes in a RF gun environment. Applied Physics Letters, 2020, 117, .	1.5	8
7	Coherent high-power RF wakefield generation by electron bunch trains in a metamaterial structure. Applied Physics Letters, 2020, 116, .	1.5	10
8	Single Shot Characterization of High Transformer Ratio Wakefields in Nonlinear Plasma Acceleration. Physical Review Letters, 2020, 124, 044802.	2.9	18
9	Shaped Beams from Diamond Field-Emitter Array Cathodes. IEEE Transactions on Plasma Science, 2020, , 1-5.	0.6	3
10	Development and high-power testing of an X -band dielectric-loaded power extractor. Physical Review Accelerators and Beams, 2020, 23, .	0.6	6
11	Coherent synchrotron radiation free longitudinal bunch shaping using transverse deflecting cavities. Physical Review Accelerators and Beams, 2020, 23, .	0.6	6
12	Observation of High Transformer Ratio of Shaped Bunch Generated by an Emittance-Exchange Beam Line. Physical Review Letters, 2018, 120, 114801.	2.9	33
13	Observation of High Transformer Ratio from Bunch Shaping Using Emittance Exchange. , 2018, , .		0
14	Preparation for an Emittance Exchange Based Bunch compression Experiment at Argonne Wakefield Accelerator Facility. , 2018, , .		1
15	Electron acceleration through two successive electron beam driven wakefield acceleration stages. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 898, 72-76.	0.7	17
16	Single-shot wakefield measurement system. Physical Review Accelerators and Beams, 2018, 21, .	0.6	9
17	Precision Control of the Electron Longitudinal Bunch Shape Using an Emittance-Exchange Beam Line. Physical Review Letters, 2017, 118, 104801.	2.9	32
18	Spatial control of photoemitted electron beams using a microlens-array transverse-shaping technique. Physical Review Accelerators and Beams, 2017, 20, .	0.6	12

#	ARTICLE	IF	CITATIONS
19	<i>In Situ</i> Observation of Dark Current Emission in a High Gradient rf Photocathode Gun. Physical Review Letters, 2016, 117, 084801.	2.9	14
20	Interaction of an Ultrarelativistic Electron Bunch Train with a W -Band Accelerating Structure: High Power and High Gradient. Physical Review Letters, 2016, 116, 054801.	2.9	23
21	Observation of Wakefield Suppression in a Photonic-Band-Gap Accelerator Structure. Physical Review Letters, 2016, 116, 064801.	2.9	12
22	GHz laser-free time-resolved transmission electron microscopy: A stroboscopic high-duty-cycle method. Ultramicroscopy, 2016, 161, 130-136.	0.8	31
23	Perturbation-minimized triangular bunch for high-transformer ratio using a double dogleg emittance exchange beam line. Physical Review Accelerators and Beams, 2016, 19, .	0.6	17