

Gwanghui Ha

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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933264

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24
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of High Transformer Ratio of Shaped Bunch Generated by an Emittance-Exchange Beam Line. <i>Physical Review Letters</i> , 2018, 120, 114801.	2.9	33
2	Precision Control of the Electron Longitudinal Bunch Shape Using an Emittance-Exchange Beam Line. <i>Physical Review Letters</i> , 2017, 118, 104801.	2.9	32
3	GHz laser-free time-resolved transmission electron microscopy: A stroboscopic high-duty-cycle method. <i>Ultramicroscopy</i> , 2016, 161, 130-136.	0.8	31
4	Interaction of an Ultrarelativistic Electron Bunch Train with a W -Band Accelerating Structure: High Power and High Gradient. <i>Physical Review Letters</i> , 2016, 116, 054801.	2.9	23
5	Single Shot Characterization of High Transformer Ratio Wakefields in Nonlinear Plasma Acceleration. <i>Physical Review Letters</i> , 2020, 124, 044802.	2.9	18
6	Electron acceleration through two successive electron beam driven wakefield acceleration stages. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 898, 72-76.	0.7	17
7	Perturbation-minimized triangular bunch for high-transformer ratio using a double dogleg emittance exchange beam line. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	17
8	Observation of Dark Current Emission in a High Gradient rf Photocathode Gun. <i>Physical Review Letters</i> , 2016, 117, 084801.	2.9	14
9	Observation of Wakefield Suppression in a Photonic-Band-Gap Accelerator Structure. <i>Physical Review Letters</i> , 2016, 116, 064801.	2.9	12
10	Spatial control of photoemitted electron beams using a microlens-array transverse-shaping technique. <i>Physical Review Accelerators and Beams</i> , 2017, 20, .	0.6	12
11	Coherent high-power RF wakefield generation by electron bunch trains in a metamaterial structure. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	10
12	Single-shot wakefield measurement system. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .	0.6	9
13	Bunch shaping in electron linear accelerators. <i>Reviews of Modern Physics</i> , 2022, 94, .	16.4	9
14	Demonstration of nitrogen-incorporated ultrananocrystalline diamond photocathodes in a RF gun environment. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	8
15	Development and high-power testing of an X -band dielectric-loaded power extractor. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	0.6	6
16	Coherent synchrotron radiation free longitudinal bunch shaping using transverse deflecting cavities. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	0.6	6
17	Roadmap for Structure-based Wakefield Accelerator (SWFA) R&D and its challenges in beam dynamics. <i>Journal of Instrumentation</i> , 2022, 17, T05007.	0.5	5
18	Shaped Beams from Diamond Field-Emitter Array Cathodes. <i>IEEE Transactions on Plasma Science</i> , 2020, , 1-5.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Drive beam sources and longitudinal shaping techniques for beam driven accelerators. Journal of Instrumentation, 2022, 17, P05036.	0.5	2
20	Preparation for an Emittance Exchange Based Bunch compression Experiment at Argonne Wakefield Accelerator Facility. , 2018, , .		1
21	Observation of High Transformer Ratio from Bunch Shaping Using Emittance Exchange. , 2018, , .		0
22	Single-shot measurement of transverse second moments using the projection method. Physical Review Accelerators and Beams, 2021, 24, .	0.6	0
23	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