

Adi Hanuka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2048361/publications.pdf>

Version: 2024-02-01

26
papers

365
citations

933447

10
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Diagnostic Suite for Electron Beam Prediction and Control at FACET-II. Information (Switzerland), 2021, 12, 61.	2.9	6
2	Accurate and confident prediction of electron beam longitudinal properties using spectral virtual diagnostics. Scientific Reports, 2021, 11, 2945.	3.3	11
3	Multiobjective Bayesian optimization for online accelerator tuning. Physical Review Accelerators and Beams, 2021, 24, .	1.6	20
4	Physics model-informed Gaussian process for online optimization of particle accelerators. Physical Review Accelerators and Beams, 2021, 24, .	1.6	17
5	Aberration Corrector Tuning with Machine-Learning-Based Emittance Measurements and Bayesian Optimization. Microscopy and Microanalysis, 2021, 27, 810-812.	0.4	7
6	Uncertainty quantification for virtual diagnostic of particle accelerators. Physical Review Accelerators and Beams, 2021, 24, .	1.6	10
7	Uncertainty quantification for deep learning in particle accelerator applications. Physical Review Accelerators and Beams, 2021, 24, .	1.6	9
8	Bayesian Optimization of a Free-Electron Laser. Physical Review Letters, 2020, 124, 124801.	7.8	71
9	Cumulative material damage from train of ultrafast infrared laser pulses. High Power Laser Science and Engineering, 2019, 7, .	4.6	14
10	Operation regimes of a dielectric laser accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 888, 147-152.	1.6	12
11	Metamaterials for optical Bragg accelerators. Applied Physics Letters, 2018, 112, .	3.3	1
12	High-field nonlinear optical response and phase control in a dielectric laser accelerator. Communications Physics, 2018, 1, .	5.3	58
13	Optimized operation of dielectric laser accelerators: Single bunch. Physical Review Accelerators and Beams, 2018, 21, .	1.6	11
14	Optimized operation of dielectric laser accelerators: Multibunch. Physical Review Accelerators and Beams, 2018, 21, .	1.6	7
15	Amplification of flat laser pulse train. Optics Express, 2018, 26, 30818.	3.4	1
16	Optical booster for dielectric laser accelerators. AIP Conference Proceedings, 2017, , .	0.4	2
17	A novel eyelid motion monitor. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1811-1817.	1.9	7
18	Artificial materials for structure-based laser acceleration. AIP Conference Proceedings, 2017, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Quasi-analytic design of a dielectric acceleration structure. AIP Conference Proceedings, 2017, , .	0.4	1
20	Trapping of sub-relativistic particles in laser driven accelerators. Physics of Plasmas, 2017, 24, 123116.	1.9	2
21	Recent demonstration of record high gradients in dielectric laser accelerating structures. AIP Conference Proceedings, 2017, , .	0.4	1
22	Blinking characterization by the eyelid motion monitor. , 2017, , .		0
23	Critical phenomenon in tapered dielectric structures. Optics Letters, 2017, 42, 4458.	3.3	0
24	Conceptual layout for a wafer-scale dielectric laser accelerator. AIP Conference Proceedings, 2016, , .	0.4	6
25	Demonstration of acceleration of relativistic electrons at a dielectric microstructure using femtosecond laser pulses. Optics Letters, 2016, 41, 2696.	3.3	79
26	Bragg accelerator optimization. High Power Laser Science and Engineering, 2014, 2, .	4.6	11