

Anne Oppelt

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,059
citations

1040056

9
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct measurement of photocathode time response in a high-brightness photoinjector. Applied Physics Letters, 2022, 120, .	3.3	11
2	Anomalous correlation between quantum efficiency and transverse momentum spread in semiconductor cathode photoemission. Physical Review Accelerators and Beams, 2022, 25, .	1.6	0
3	A MHz-repetition-rate hard X-ray free-electron laser driven by a superconducting linear accelerator. Nature Photonics, 2020, 14, 391-397.	31.4	315
4	Budgeting the emittance of photoemitted electron beams in a space-charge affected emission regime for free-electron laser applications. AIP Advances, 2020, 10, 035017.	1.3	1
5	Frequency-detuning dependent transient coaxial rf coupler kick in an L -band long-pulse high-gradient rf photogun. Physical Review Accelerators and Beams, 2020, 23, .	1.6	1
6	Single shot cathode transverse momentum imaging in high brightness photoinjectors. Physical Review Accelerators and Beams, 2020, 23, .	1.6	6
7	Passive Ballistic Microbunching of Nonultrarelativistic Electron Bunches Using Electromagnetic Wakefields in Dielectric-Lined Waveguides. Physical Review Letters, 2019, 122, 044801.	7.8	24
8	Plasma density measurement by means of self-modulation of long electron bunches. Plasma Physics and Controlled Fusion, 2019, 61, 045012.	2.1	4
9	Preliminary study for the laboratory experiment of cosmic-rays driven magnetic field amplification. High Energy Density Physics, 2019, 32, 31-43.	1.5	1
10	Jitter mitigation in low density discharge plasma cells for wakefield accelerators. Journal of Applied Physics, 2019, 125, .	2.5	6
11	Overview and prospects of plasma wakefield acceleration experiments at PITZ. Journal of Physics: Conference Series, 2019, 1350, 012057.	0.4	0
12	Photocathode laser based bunch shaping for high transformer ratio plasma wakefield acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 107-110.	1.6	11
13	Characterization of self-modulated electron bunches in an argon plasma. Journal of Physics: Conference Series, 2018, 1067, 042012.	0.4	2
14	Observation of High Transformer Ratio Plasma Wakefield Acceleration. Physical Review Letters, 2018, 121, 064801.	7.8	44
15	Generation of quasi continuous-wave electron beams in an L-band normal conducting pulsed RF injector for laboratory astrophysics experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 903, 042501.	1.6	1
16	Charge production studies from ^{130}Cs and ^{130}Te photocathodes in a normal conducting RF gun. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 97-104.	1.6	7
17	Spatio-temporal shaping of photocathode laser pulses for linear electron accelerators. Physics-Uspokhi, 2017, 60, 1039-1050.	2.2	17
18	Experimentally minimized beam emittance from an L -band photoinjector. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	76

#	ARTICLE	IF	CITATIONS
19	Detailed characterization of electron sources yielding first demonstration of European X-ray Free-Electron Laser beam quality. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	77
20	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	31.4	1,455