

Omid Zarini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9270215/publications.pdf>

Version: 2024-02-01

15
papers

381
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a beam loaded nanocoulomb-class laser wakefield accelerator. Nature Communications, 2017, 8, 487.	12.8	124
2	First results with the novel petawatt laser acceleration facility in Dresden. Journal of Physics: Conference Series, 2017, 874, 012028.	0.4	68
3	Making spectral shape measurements in inverse Compton scattering a tool for advanced diagnostic applications. Scientific Reports, 2018, 8, 1398.	3.3	34
4	Demonstration of a compact plasma accelerator powered by laser-accelerated electron beams. Nature Communications, 2021, 12, 2895.	12.8	31
5	Calibration and cross-laboratory implementation of scintillating screens for electron bunch charge determination. Review of Scientific Instruments, 2018, 89, 093303.	1.3	29
6	Tomographic characterisation of gas-jet targets for laser wakefield acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 504-509.	1.6	28
7	Improved performance of laser wakefield acceleration by tailored self-truncated ionization injection. Plasma Physics and Controlled Fusion, 2018, 60, 044015.	2.1	16
8	Coherent Optical Signatures of Electron Microbunching in Laser-Driven Plasma Accelerators. Physical Review Letters, 2020, 125, 014801.	7.8	15
9	Compact spectroscopy of keV to MeV X-rays from a laser wakefield accelerator. Scientific Reports, 2021, 11, 14368.	3.3	12
10	Single-shot betatron source size measurement from a laser-wakefield accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 265-269.	1.6	11
11	Multioctave high-dynamic range optical spectrometer for single-pulse, longitudinal characterization of ultrashort electron bunches. Physical Review Accelerators and Beams, 2022, 25, .	1.6	6
12	Restoring betatron phase coherence in a beam-loaded laser-wakefield accelerator. Physical Review Accelerators and Beams, 2021, 24, .	1.6	4
13	Charge calibration of DRZ scintillation phosphor screens. Journal of Instrumentation, 2019, 14, P09025-P09025.	1.2	3
14	Observations of Coherent Optical Transition Radiation Interference Fringes Generated by Laser Plasma Accelerator Electron Beamlets. , 2018, , .		0
15	Advanced Methods for Temporal Reconstruction of Modulated Electron Bunches. , 2018, , .		0