

Omid Zarini

List of Publications by Year in descending order

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15
papers

381
citations

933447

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1125743

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docs citations

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times ranked

518
citing authors

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