

Christopher Gerth

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

1,638
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

1816
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation of a free-electron laser from the extreme ultraviolet to the water window. <i>Nature Photonics</i> , 2007, 1, 336-342.	31.4	1,455
2	Time-resolved electron beam phase space tomography at a soft x-ray free-electron laser. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2009, 12, .	1.8	75
3	Constraints on photon pulse duration from longitudinal electron beam diagnostics at a soft x-ray free-electron laser. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	40
4	Phase Diversity Electro-optic Sampling: A new approach to single-shot terahertz waveform recording. <i>Light: Science and Applications</i> , 2022, 11, 14.	16.6	27
5	KALYPSO: Linear array detector for high-repetition rate and real-time beam diagnostics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 936, 10-13.	1.6	14
6	Compact single-shot electro-optic detection system for THz pulses with femtosecond time resolution at MHz repetition rates. <i>Review of Scientific Instruments</i> , 2020, 91, 045123.	1.3	10
7	Linear array detector for online diagnostics of spectral distributions at MHz repetition rates. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1514-1522.	2.4	7
8	Flexible and Coherent Soft X-ray Pulses at High Repetition Rate: Current Research and Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9729.	2.5	6
9	Noninvasive THz spectroscopy for bunch current profile reconstructions at MHz repetition rates. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	3
10	Real-Time Data Acquisition and Processing System for MHz Repetition Rate Image Sensors. <i>Energies</i> , 2021, 14, 7403.	3.1	1