

# Thomas Kurz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7343880/publications.pdf>

Version: 2024-02-01

10  
papers

141  
citations

1307594

7  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a compact plasma accelerator powered by laser-accelerated electron beams. Nature Communications, 2021, 12, 2895.	12.8	31
2	Calibration and cross-laboratory implementation of scintillating screens for electron bunch charge determination. Review of Scientific Instruments, 2018, 89, 093303.	1.3	29
3	Direct Observation of Plasma Waves and Dynamics Induced by Laser-Accelerated Electron Beams. Physical Review X, 2019, 9, .	8.9	19
4	Probing ultrafast magnetic-field generation by current filamentation instability in femtosecond relativistic laser-matter interactions. Physical Review Research, 2020, 2, .	3.6	19
5	Compact spectroscopy of keV to MeV X-rays from a laser wakefield accelerator. Scientific Reports, 2021, 11, 14368.	3.3	12
6	Hybrid LWFAâ€PWFA staging as a beam energy and brightness transformer: conceptual design and simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180175.	3.4	11
7	Gas-dynamic density downramp injection in a beam-driven plasma wakefield accelerator. Physical Review Research, 2021, 3, .	3.6	11
8	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
9	Charge calibration of DRZ scintillation phosphor screens. Journal of Instrumentation, 2019, 14, P09025-P09025.	1.2	3
10	Advanced Methods for Temporal Reconstruction of Modulated Electron Bunches. , 2018, , .		0