

Marco Garten

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/954237/publications.pdf>

Version: 2024-02-01

14
papers

320
citations

1307594

7
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

591
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	Proton beam quality enhancement by spectral phase control of a PW-class laser system. Scientific Reports, 2021, 11, 7338.	3.3	40
4	Observation of Ultrafast Solid-Density Plasma Dynamics Using Femtosecond X-Ray Pulses from a Free-Electron Laser. Physical Review X, 2018, 8, .	8.9	21
5	All-optical structuring of laser-driven proton beam profiles. Nature Communications, 2018, 9, 5292.	12.8	16
6	Nanometer-scale characterization of laser-driven compression, shocks, and phase transitions, by x-ray scattering using free electron lasers. Physics of Plasmas, 2017, 24, .	1.9	12
7	Efficient laser-driven proton and bremsstrahlung generation from cluster-assembled foam targets. New Journal of Physics, 2021, 23, 093015.	2.9	12
8	Spectral control via multi-species effects in PW-class laser-ion acceleration. Plasma Physics and Controlled Fusion, 2020, 62, 124003.	2.1	8
9	Off-harmonic optical probing of high intensity laser plasma expansion dynamics in solid density hydrogen jets. Scientific Reports, 2022, 12, 7287.	3.3	6
10	Probing ultrafast laser plasma processes inside solids with resonant small-angle x-ray scattering. Physical Review Research, 2021, 3, .	3.6	4
11	Simulations of ultrafast x-ray laser experiments. , 2017, , .		3
12	Femtosecond laser produced periodic plasma in a colloidal crystal probed by XFEL radiation. Scientific Reports, 2020, 10, 10780.	3.3	3
13	Optimized laser ion acceleration at the relativistic critical density surface. Plasma Physics and Controlled Fusion, 2022, 64, 044010.	2.1	3
14	Laser-proton Acceleration Developments At DRACO-PW Enabling <i>in-vivo</i> Radiobiology. , 2022, , .		0