

# Carsten Fortmann-Grote

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3630840/publications.pdf>

Version: 2024-02-01

12  
papers

90  
citations

1684188

5  
h-index

1720034

7  
g-index

13  
all docs

13  
docs citations

13  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Start-to-end simulation of single-particle imaging using ultra-short pulses at the European X-ray Free-Electron Laser. IUCr, 2017, 4, 560-568.	2.2	32
2	Measurements of the momentum-dependence of plasmonic excitations in matter around 1 Mbar using an X-ray free electron laser. Applied Physics Letters, 2019, 114, 014101.	3.3	16
3	Electrostatic fluctuations in collisional plasmas. Physical Review E, 2017, 96, 043207.	2.1	11
4	Effects of radiation damage and inelastic scattering on single-particle imaging of hydrated proteins with an X-ray Free-Electron Laser. Scientific Reports, 2021, 11, 17976.	3.3	7
5	Ultrafast electron kinetics in short pulse laser-driven dense hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 224004.	1.5	6
6	Nanoscale subsurface dynamics of solids upon high-intensity femtosecond laser irradiation observed by grazing-incidence x-ray scattering. Physical Review Research, 2022, 4, .	3.6	5
7	Simulations of ultrafast x-ray laser experiments. , 2017, , .		3
8	Parallel performance of "Synchrotron Radiation Workshop" code: partially coherent calculations for storage rings and time-dependent calculations for XFELs. , 2020, , .		3
9	VINYL: The Virtual Neutron and x-ray Laboratory and its applications. , 2020, , .		2
10	CancerSim: A Cancer Simulation Package for Python 3. Journal of Open Source Software, 2020, 5, 2436.	4.6	2
11	Developments Towards Imaging Nanoscale Biology with XFELs: Some Recent Examples and a Glance to the Future. Microscopy and Microanalysis, 2018, 24, 76-77.	0.4	1
12	Simulations of single-particle imaging of hydrated proteins with x-ray free-electron lasers. , 2017, , .		0