

Cornelius Strohm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/662168/publications.pdf>

Version: 2024-02-01

13
papers

303
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Rabi oscillations of X-ray radiation between two nuclear ensembles. <i>Nature Photonics</i> , 2017, 11, 720-725.	31.4	43
2	Spectral narrowing of x-ray pulses for precision spectroscopy with nuclear resonances. <i>Science</i> , 2017, 357, 375-378.	12.6	41
3	Superradiance of an ensemble of nuclei excited by a free electron laser. <i>Nature Physics</i> , 2018, 14, 261-264.	16.7	39
4	The High Energy Density Scientific Instrument at the European XFEL. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1393-1416.	2.4	33
5	Coherent X-ray ² optical control of nuclear excitons. <i>Nature</i> , 2021, 590, 401-404.	27.8	26
6	Portable double-sided pulsed laser heating system for time-resolved geoscience and materials science applications. <i>Review of Scientific Instruments</i> , 2017, 88, 084501.	1.3	24
7	An approach for the measurement of the bulk temperature of single crystal diamond using an X-ray free electron laser. <i>Scientific Reports</i> , 2020, 10, 14564.	3.3	21
8	Novel experimental setup for megahertz X-ray diffraction in a diamond anvil cell at the High Energy Density (HED) instrument of the European X-ray Free-Electron Laser (EuXFEL). <i>Journal of Synchrotron Radiation</i> , 2021, 28, 688-706.	2.4	21
9	High-resolution inelastic x-ray scattering at the high energy density scientific instrument at the European X-Ray Free-Electron Laser. <i>Review of Scientific Instruments</i> , 2021, 92, 013101.	1.3	15
10	Time differentiated nuclear resonance spectroscopy coupled with pulsed laser heating in diamond anvil cells. <i>Review of Scientific Instruments</i> , 2015, 86, 114501.	1.3	13
11	Coherent control of collective nuclear quantum states via transient magnons. <i>Science Advances</i> , 2021, 7, .	10.3	12
12	Nuclear inelastic scattering and density functional theory studies of a one-dimensional spin crossover [Fe(1,2,4-triazole) ₂ (1,2,4-triazolato)](BF ₄) molecular chain. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18880-18889.	2.8	10
13	Time-Resolved sub-Å ² Imaging Metrology by Temporal Phase Interferometry near X-Ray Resonances of Nuclei. <i>Physical Review Letters</i> , 2019, 123, 153902.	7.8	4