

Christian Peltz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

684
citations

13
h-index

26
g-index

33
ext. papers

774
ext. citations

6.5
avg, IF

3.31
L-index

#	Paper	IF	Citations
27	Controlled near-field enhanced electron acceleration from dielectric nanospheres with intense few-cycle laser fields. <i>Nature Physics</i> , 2011 , 7, 656-662	16.2	193
26	The 3D-architecture of individual free silver nanoparticles captured by X-ray scattering. <i>Nature Communications</i> , 2015 , 6, 6187	17.4	67
25	Field propagation-induced directionality of carrier-envelope phase-controlled photoemission from nanospheres. <i>Nature Communications</i> , 2015 , 6, 7944	17.4	60
24	Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source. <i>Nature Communications</i> , 2017 , 8, 493	17.4	53
23	Attosecond plasma wave dynamics in laser-driven cluster nanoplasmas. <i>Physical Review Letters</i> , 2012 , 108, 175007	7.4	38
22	Three-Dimensional Shapes of Spinning Helium Nanodroplets. <i>Physical Review Letters</i> , 2018 , 121, 255301	7.4	37
21	Carrier-envelope phase-tagged imaging of the controlled electron acceleration from SiO ₂ nanospheres in intense few-cycle laser fields. <i>New Journal of Physics</i> , 2012 , 14, 075010	2.9	35
20	Time-resolved x-ray imaging of anisotropic nanoplasma expansion. <i>Physical Review Letters</i> , 2014 , 113, 133401	7.4	26
19	Fully microscopic analysis of laser-driven finite plasmas using the example of clusters. <i>New Journal of Physics</i> , 2012 , 14, 065011	2.9	26
18	Nanoplasmonic electron acceleration by attosecond-controlled forward rescattering in silver clusters. <i>Nature Communications</i> , 2017 , 8, 1181	17.4	25
17	Electron-relocalization dynamics in xenon clusters in intense soft-x-ray fields. <i>Physical Review A</i> , 2014 , 89,	2.6	24
16	Origin of strong-field-induced low-order harmonic generation in amorphous quartz. <i>Nature Physics</i> , 2020 , 16, 1035-1039	16.2	23
15	Competition of single and double rescattering in the strong-field photoemission from dielectric nanospheres. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 101	1.9	19
14	Resonant charging of Xe clusters in helium nanodroplets under intense laser fields. <i>European Physical Journal D</i> , 2011 , 63, 281-288	1.3	13
13	Low-Energy Electron Emission in the Strong-Field Ionization of Rare Gas Clusters. <i>Physical Review Letters</i> , 2018 , 121, 063202	7.4	8
12	Influence of wavelength and pulse duration on single-shot x-ray diffraction patterns from nonspherical nanoparticles. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 204004	1.3	7
11	Signatures of transient resonance heating in photoemission from free NaCl nanoparticles in intense femtosecond laser pulses. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015 , 200, 216-221	1.7	6

10	Light wave driven electron dynamics in clusters. <i>Annalen Der Physik</i> , 2014 , 526, 135-156	2.6	6
9	Fast reconstruction of single-shot wide-angle diffraction images through deep learning. <i>Machine Learning: Science and Technology</i> , 2020 , 1, 045007	5.1	4
8	Measurement of high-dynamic range x-ray Thomson scattering spectra for the characterization of nano-plasmas at LCLS. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E709	1.7	4
7	Signatures and mechanisms of plasmon-enhanced electron emission from clusters in few-cycle laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 224001	1.3	2
6	Dual crystal x-ray spectrometer at 1.8 keV for high repetition-rate single-photon counting spectroscopy experiments. <i>Journal of Instrumentation</i> , 2016 , 11, P08015-P08015	1	2
5	Characterization of Laser-Induced Ionization Dynamics in Solid Dielectrics. <i>ACS Photonics</i> , 2022 , 9, 233-240	4.3	1
4	Quantum coherent diffractive imaging. <i>JPhys Photonics</i> , 2020 , 2, 024007	2.5	1
3	Massively parallel microscopic particle-in-cell. <i>Computer Physics Communications</i> , 2017 , 219, 269-285	4.2	0
2	VIII Microscopic particle-in-cell approach 2017 , 227-270		
1	Light Wave Driven Electron Dynamics in Clusters 2015 , 119-154		