

# Christian Peltz

## List of Publications by Year in Descending Order

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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	Characterization of Laser-Induced Ionization Dynamics in Solid Dielectrics. <i>ACS Photonics</i> , <b>2022</b> , 9, 233-240	4.3	1
26	Origin of strong-field-induced low-order harmonic generation in amorphous quartz. <i>Nature Physics</i> , <b>2020</b> , 16, 1035-1039	16.2	23
25	Quantum coherent diffractive imaging. <i>JPhys Photonics</i> , <b>2020</b> , 2, 024007	2.5	1
24	Fast reconstruction of single-shot wide-angle diffraction images through deep learning. <i>Machine Learning: Science and Technology</i> , <b>2020</b> , 1, 045007	5.1	4
23	Low-Energy Electron Emission in the Strong-Field Ionization of Rare Gas Clusters. <i>Physical Review Letters</i> , <b>2018</b> , 121, 063202	7.4	8
22	Three-Dimensional Shapes of Spinning Helium Nanodroplets. <i>Physical Review Letters</i> , <b>2018</b> , 121, 255301	7.4	37
21	Nanoplasmonic electron acceleration by attosecond-controlled forward rescattering in silver clusters. <i>Nature Communications</i> , <b>2017</b> , 8, 1181	17.4	25
20	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> , <b>2017</b> , 50, 224001	1.3	2
19	Coherent diffractive imaging of single helium nanodroplets with a high harmonic generation source. <i>Nature Communications</i> , <b>2017</b> , 8, 493	17.4	53
18	VIII Microscopic particle-in-cell approach <b>2017</b> , 227-270		
17	Massively parallel microscopic particle-in-cell. <i>Computer Physics Communications</i> , <b>2017</b> , 219, 269-285	4.2	0
16	Dual crystal x-ray spectrometer at 1.8 keV for high repetition-rate single-photon counting spectroscopy experiments. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P08015-P08015	1	2
15	Competition of single and double rescattering in the strong-field photoemission from dielectric nanospheres. <i>Applied Physics B: Lasers and Optics</i> , <b>2016</b> , 122, 101	1.9	19
14	Measurement of high-dynamic range x-ray Thomson scattering spectra for the characterization of nano-plasmas at LCLS. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 11E709	1.7	4
13	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> , <b>2015</b> , 200, 216-221	1.7	6
12	Field propagation-induced directionality of carrier-envelope phase-controlled photoemission from nanospheres. <i>Nature Communications</i> , <b>2015</b> , 6, 7944	17.4	60
11	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> , <b>2015</b> , 48, 204004	1.3	7

10	The 3D-architecture of individual free silver nanoparticles captured by X-ray scattering. <i>Nature Communications</i> , <b>2015</b> , 6, 6187	17.4	67
9	Light Wave Driven Electron Dynamics in Clusters <b>2015</b> , 119-154		
8	Time-resolved x-ray imaging of anisotropic nanoplasma expansion. <i>Physical Review Letters</i> , <b>2014</b> , 113, 133401	7.4	26
7	Light wave driven electron dynamics in clusters. <i>Annalen Der Physik</i> , <b>2014</b> , 526, 135-156	2.6	6
6	Electron-relocalization dynamics in xenon clusters in intense soft-x-ray fields. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	24
5	Carrier-envelope phase-tagged imaging of the controlled electron acceleration from SiO <sub>2</sub> nanospheres in intense few-cycle laser fields. <i>New Journal of Physics</i> , <b>2012</b> , 14, 075010	2.9	35
4	Fully microscopic analysis of laser-driven finite plasmas using the example of clusters. <i>New Journal of Physics</i> , <b>2012</b> , 14, 065011	2.9	26
3	Attosecond plasma wave dynamics in laser-driven cluster nanoplasmas. <i>Physical Review Letters</i> , <b>2012</b> , 108, 175007	7.4	38
2	Controlled near-field enhanced electron acceleration from dielectric nanospheres with intense few-cycle laser fields. <i>Nature Physics</i> , <b>2011</b> , 7, 656-662	16.2	193
1	Resonant charging of Xe clusters in helium nanodroplets under intense laser fields. <i>European Physical Journal D</i> , <b>2011</b> , 63, 281-288	1.3	13