

Peter Walter

List of Publications by Year in descending order

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27
papers

1,146
citations

567281

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552781

26
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all docs

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docs citations

28
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable isolated attosecond X-ray pulses with gigawatt peak power from a free-electron laser. <i>Nature Photonics</i> , 2020, 14, 30-36.	31.4	283
2	Beamline P02.1 at PETRA III for high-resolution and high-energy powder diffraction. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 675-687.	2.4	195
3	The Variable Polarization XUV Beamline P04 at PETRA III: Optics, mechanics and their performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 710, 151-154.	1.6	140
4	Polarization control in an X-ray free-electron laser. <i>Nature Photonics</i> , 2016, 10, 468-472.	31.4	116
5	X-ray multiphoton-induced Coulomb explosion images complex single molecules. <i>Nature Physics</i> , 2022, 18, 423-428.	16.7	48
6	Attosecond transient absorption spectroscopy: a ghost imaging approach to ultrafast absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2704-2712.	2.8	41
7	Attosecond coherent electron motion in Auger-Meitner decay. <i>Science</i> , 2022, 375, 285-290.	12.6	40
8	Symmetry breakdown of electron emission in extreme ultraviolet photoionization of argon. <i>Nature Communications</i> , 2018, 9, 4659.	12.8	36
9	Angular Momentum in Rotating Superfluid Droplets. <i>Physical Review Letters</i> , 2020, 124, 215301.	7.8	30
10	Circular dichroism measurements at an x-ray free-electron laser with polarization control. <i>Review of Scientific Instruments</i> , 2016, 87, 083113.	1.3	29
11	Angular Momentum Sensitive Two-Center Interference. <i>Physical Review Letters</i> , 2014, 112, 023001.	7.8	28
12	Angle-resolved study of resonant Auger decay and fluorescence emission processes after core excitations of the terminal and central nitrogen atoms in N ₂ O. <i>Physical Review A</i> , 2014, 90, .	2.5	23
13	A co-axial velocity map imaging spectrometer for electrons. <i>AIP Advances</i> , 2018, 8, .	1.3	19
14	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. <i>Communications Chemistry</i> , 2021, 4, .	4.5	17
15	Shapes of rotating normal fluid ^4He versus superfluid ^3He droplets in molecular beams. <i>Physical Review B</i> , 2020, 102, .	3.2	16
16	An advanced workflow for single-particle imaging with the limited data at an X-ray free-electron laser. <i>IUCr</i> , 2020, 7, 1102-1113.	2.2	15
17	Multi-resolution electron spectrometer array for future free-electron laser experiments. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1364-1376.	2.4	13
18	Electron-ion coincidence measurements of molecular dynamics with intense X-ray pulses. <i>Scientific Reports</i> , 2021, 11, 505.	3.3	11

#	ARTICLE	IF	CITATIONS
19	A localized view on molecular dissociation via electron-ion partial covariance. Communications Chemistry, 2022, 5, .	4.5	10
20	Accurate charge densities from powder X-ray diffraction – a new version of the Aarhus vacuum imaging-plate diffractometer. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 521-530.	1.1	8
21	Aggregation of solutes in bosonic versus fermionic quantum fluids. Science Advances, 2021, 7, eabk2247.	10.3	7
22	Resonance-enhanced x-ray multiple ionization of a polyatomic molecule. Physical Review A, 2022, 105, .	2.5	5
23	The time-resolved atomic, molecular and optical science instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2022, 29, 957-968.	2.4	5
24	A compact and low-weight sputtering unit for in situ investigations of thin film growth at synchrotron radiation beamlines. Review of Scientific Instruments, 2015, 86, 053906.	1.3	4
25	In situ X-ray measurements over large Q-space to study the evolution of oxide thin films prepared by RF sputter deposition. Journal of Materials Science, 2021, 56, 290-304.	3.7	3
26	The X-ray Focusing System at the Time-Resolved AMO Instrument. Synchrotron Radiation News, 0, , 1-9.	0.8	3
27	In Situ X-ray Measurements to Follow the Crystallization of BaTiO ₃ Thin Films during RF-Magnetron Sputter Deposition. Applied Sciences (Switzerland), 2021, 11, 8970.	2.5	0