

Jochen Maurer

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,256
citations

516710

16
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

1259
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast resolution of tunneling delay time. <i>Optica</i> , 2014, 1, 343.	9.3	234
2	X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser. <i>Physical Review Letters</i> , 2014, 112, .	7.8	217
3	Breakdown of the Dipole Approximation in Strong-Field Ionization. <i>Physical Review Letters</i> , 2014, 113, 243001.	7.8	152
4	Probing Nonadiabatic Effects in Strong-Field Tunnel Ionization. <i>Physical Review Letters</i> , 2013, 111, 103003.	7.8	126
5	Pure Samples of Individual Conformers: The Separation of Stereoisomers of Complex Molecules Using Electric Fields. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6900-6902.	13.8	73
6	Molecular-Frame 3D Photoelectron Momentum Distributions by Tomographic Reconstruction. <i>Physical Review Letters</i> , 2012, 109, 123001.	7.8	59
7	Imaging molecular structure through femtosecond photoelectron diffraction on aligned and oriented gas-phase molecules. <i>Faraday Discussions</i> , 2014, 171, 57-80.	3.2	55
8	Probing the ionization wave packet and recollision dynamics with an elliptically polarized strong laser field in the nondipole regime. <i>Physical Review A</i> , 2018, 97, .	2.5	55
9	Cross sections for rotational decoherence of perturbed nitrogen measured via decay of laser-induced alignment. <i>Journal of Chemical Physics</i> , 2010, 133, 044311.	3.0	44
10	Low-Energy Photoelectrons in Strong-Field Ionization by Laser Pulses with Large Ellipticity. <i>Physical Review Letters</i> , 2014, 113, 103005.	7.8	41
11	Sub-cycle time resolution of multi-photon momentum transfer in strong-field ionization. <i>Nature Communications</i> , 2019, 10, 5548.	12.8	40
12	Interplay between Coulomb-focusing and non-dipole effects in strong-field ionization with elliptical polarization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 114001.	1.5	32
13	Toward atomic resolution diffractive imaging of isolated molecules with X-ray free-electron lasers. <i>Faraday Discussions</i> , 2014, 171, 393-418.	3.2	29
14	Ionization in intense laser fields beyond the electric dipole approximation: concepts, methods, achievements and future directions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 094001.	1.5	25
15	Transferring the attoclock technique to velocity map imaging. <i>Optics Express</i> , 2013, 21, 21981.	3.4	22
16	Holographic interferences in strong-field ionization beyond the dipole approximation: The influence of the peak and focal-volume-averaged laser intensities. <i>Physical Review A</i> , 2019, 100, .	2.5	19
17	Strong-field ionization of three-dimensionally aligned naphthalene molecules: orbital modification and imprints of orbital nodal planes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 245601.	1.5	11
18	Velocity map imaging with non-uniform detection: Quantitative molecular axis alignment measurements via Coulomb explosion imaging. <i>Review of Scientific Instruments</i> , 2015, 86, 073101.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Observation of low-energy electrons in the photoelectron energy distribution from strong-field ionization of naphthalene by circularly polarized pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 121001.	1.5	5
20	Enhanced laser-induced alignment and orientation of molecules using quantum-state-selection. , 2009, , .		0
21	Conformer separation of 3-aminophenol using an electrostatic deflector. , 2009, , .		0
22	Tunneling time in Ultrafast science is real and probabilistic. , 2013, , .		0
23	Studying Momentum Distributions in all Aspects Reveals Important Insight. , 2014, , .		0
24	Sub-cycle resolution of field-momentum transfer in non-dipole strong-field ionization. , 2017, , .		0
25	Exploring characteristics of strong-field ionization dynamics in the mid-infrared regime. , 2014, , .		0
26	Breakdown of dipole approximation in strong field ionization. , 2014, , .		0