

Thomas J A Wolf

List of Publications by Year in descending order

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64
papers

1,982
citations

304743

22
h-index

254184

43
g-index

67
all docs

67
docs citations

67
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Imaging of Molecules with Electron Diffraction. Annual Review of Physical Chemistry, 2022, 73, 21-42.	10.8	15
2	Following excited-state chemical shifts in molecular ultrafast x-ray photoelectron spectroscopy. Nature Communications, 2022, 13, 198.	12.8	24
3	Attosecond coherent electron motion in Auger-Meitner decay. Science, 2022, 375, 285-290.	12.6	40
4	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
5	Multichannel photodissociation dynamics in CS ₂ studied by ultrafast electron diffraction. Physical Chemistry Chemical Physics, 2022, 24, 15416-15427.	2.8	9
6	Electron-ion coincidence measurements of molecular dynamics with intense X-ray pulses. Scientific Reports, 2021, 11, 505.	3.3	11
7	Arrival Time Monitor for Sub-10 fs Soft X-ray and 800 nm Optical Pulses. , 2021, , .		0
8	Direct observation of ultrafast hydrogen bond strengthening in liquid water. Nature, 2021, 596, 531-535.	27.8	53
9	Observation of conformer-specific photochemical dynamics with MeV ultrafast electron diffraction. , 2021, , .		0
10	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. Communications Chemistry, 2021, 4, .	4.5	17
11	Imaging the short-lived hydroxyl-hydronium pair in ionized liquid water. Science, 2021, 374, 92-95.	12.6	36
12	Transient resonant Auger-Meitner spectra of photoexcited thymine. Faraday Discussions, 2021, 228, 555-570.	3.2	11
13	Structure retrieval in liquid-phase electron scattering. Physical Chemistry Chemical Physics, 2021, 23, 1308-1316.	2.8	13
14	Conformer-specific photochemistry imaged in real space and time. Science, 2021, 374, 178-182.	12.6	20
15	Core-Level Spectroscopy of 2-Thiouracil at the Sulfur L1- and L2,3-Edges Utilizing a SASE Free-Electron Laser. Molecules, 2021, 26, 6469.	3.8	6
16	Attosecond transient absorption spectroscopy: a ghost imaging approach to ultrafast absorption spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 2704-2712.	2.8	41
17	Tunable isolated attosecond X-ray pulses with gigawatt peak power from a free-electron laser. Nature Photonics, 2020, 14, 30-36.	31.4	283
18	Simultaneous observation of nuclear and electronic dynamics by ultrafast electron diffraction. Science, 2020, 368, 885-889.	12.6	92

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19	Ultrafast Structural Changes in Chiral Molecules Measured with Free-Electron Lasers. Journal of Physics: Conference Series, 2020, 1412, 112009.	0.4	2
20	Intermolecular Coulombic Decay in Endohedral Fullerene at the $\hat{\sigma}^+$ Resonance. Physical Review Letters, 2020, 124, 113002.	7.8	18
21	Liquid-phase mega-electron-volt ultrafast electron diffraction. Structural Dynamics, 2020, 7, 024301.	2.3	37
22	Spectroscopic and Structural Probing of Excited-State Molecular Dynamics with Time-Resolved Photoelectron Spectroscopy and Ultrafast Electron Diffraction. Physical Review X, 2020, 10, .	8.9	11
23	Photodissociation of aqueous I_3^- observed with liquid-phase ultrafast mega-electron-volt electron diffraction. Structural Dynamics, 2020, 7, 064901.	2.3	13
24	Ultrafast dynamics of 2-thiouracil investigated by time-resolved Auger spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 54, 014002.	1.5	10
25	Observation of Ultrafast Intersystem Crossing in Thymine by Extreme Ultraviolet Time-Resolved Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 6897-6903.	2.5	29
26	Diffraction imaging of dissociation and ground-state dynamics in a complex molecule. Physical Review A, 2019, 100, .	2.5	21
27	Photo-ionization and fragmentation of Sc3N@C80 following excitation above the Sc K-edge. Journal of Chemical Physics, 2019, 151, 104308.	3.0	5
28	Spectroscopic Signature of Chemical Bond Dissociation Revealed by Calculated Core-Electron Spectra. Journal of Physical Chemistry Letters, 2019, 10, 6536-6544.	4.6	15
29	Femtosecond-resolved observation of the fragmentation of buckminsterfullerene following X-ray multiphoton ionization. Nature Physics, 2019, 15, 1279-1283.	16.7	22
30	The photochemical ring-opening of 1,3-cyclohexadiene imaged by ultrafast electron diffraction. Nature Chemistry, 2019, 11, 504-509.	13.6	157
31	Photochemical pathways in nucleobases measured with an X-ray FEL. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170473.	3.4	15
32	Femtosecond gas-phase mega-electron-volt ultrafast electron diffraction. Structural Dynamics, 2019, 6, 054305.	2.3	36
33	Fragmentation of endohedral fullerene $\text{H}_3\text{N@C}_{80}$ in an	2.5	6
34	A theoretical and experimental benchmark study of core-excited states in nitrogen. Journal of Chemical Physics, 2018, 148, 064106.	3.0	27
35	Time-resolved photoelectron spectroscopy of nitrobenzene and its aldehydes. Chemical Physics Letters, 2018, 691, 379-387.	2.6	9
36	Imaging CF_3 conical intersection and photodissociation dynamics with ultrafast electron diffraction. Science, 2018, 361, 64-67.	12.6	170

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37	A tilted pulse-front setup for femtosecond transient grating spectroscopy in highly non-collinear geometries. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 095501.	2.2	0
38	Normal and resonant Auger spectroscopy of isocyanic acid, HNCO. <i>Journal of Chemical Physics</i> , 2018, 149, 034308.	3.0	16
39	Probing ultrafast internal conversion in organic chromophores via K-edge resonant absorption. <i>Nature Communications</i> , 2017, 8, 29.	12.8	144
40	Soft-x-ray-induced ionization and fragmentation dynamics of $\text{N}^+\text{C}^+\text{Sc}^3$ investigated using an ion-ion-coincidence momentum-imaging technique. <i>Physical Review A</i> , 2017, 96, .	2.5	11
41	Emitter-site-selective photoelectron circular dichroism of trifluoromethyloxirane. <i>Physical Review A</i> , 2017, 95, .	2.5	22
42	The Role of Super-Atom Molecular Orbitals in Doped Fullerenes in a Femtosecond Intense Laser Field. <i>Scientific Reports</i> , 2017, 7, 121.	3.3	10
43	Probing molecular photoinduced dynamics by ultrafast soft x-rays. , 2017, , .		1
44	Observing Femtosecond Fragmentation Using Ultrafast X-ray-Induced Auger Spectra. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 681.	2.5	19
45	The Role of Super-Atom Molecular Orbitals in Doped Fullerenes in a Femtosecond Intense Laser Field. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032017.	0.4	0
46	Auger electron and photoabsorption spectra of glycine in the vicinity of the oxygen K-edge measured with an X-FEL. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 234004.	1.5	9
47	Understanding the modulation mechanism in resonance-enhanced multiphoton probing of molecular dynamics. <i>Physical Review A</i> , 2015, 91, .	2.5	13
48	Ultrafast Dynamics of <i>o</i> -Nitrophenol: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9225-9235.	2.5	33
49	Direct Comparison of Multi-photon and EUV Single-Photon Probing of Molecular Relaxation Processes. <i>Springer Proceedings in Physics</i> , 2015, , 48-51.	0.2	0
50	Synthesis and Application of Photolithographically Patternable Deep Blue Emitting Poly(3,6-Dimethoxy-9,9-dialkylsilafluorene)s. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 83-93.	8.0	21
51	Studying the polymerization initiation efficiency of acetophenone-type initiators via PLP-ESI-MS and femtosecond spectroscopy. <i>Polymer Chemistry</i> , 2014, 5, 5053-5068.	3.9	33
52	Hexamethylcyclopentadiene: time-resolved photoelectron spectroscopy and ab initio multiple spawning simulations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11770-11779.	2.8	35
53	Femtosecond photoelectron and photoion spectrometer with vacuum ultraviolet probe pulses. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 197, 22-29.	1.7	9
54	Electron tunneling from electronically excited states of isolated bisdisulizole-derived trianion chromophores following UV absorption. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6726.	2.8	18

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55	Ultrafast photoinduced dynamics of halogenated cyclopentadienes: observation of geminate charge-transfer complexes in solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6673.	2.8	5
56	Fluorescence Quenching over Short Range in a Donor-DNA-Acceptor System. <i>ChemPhysChem</i> , 2013, 14, 1197-1204.	2.1	3
57	Three-dimensional multi-photon direct laser writing with variable repetition rate. <i>Optics Express</i> , 2013, 21, 26244.	3.4	129
58	The interplay of different relaxation channels in the excited state dynamics of photoinitiators. <i>EPJ Web of Conferences</i> , 2013, 41, 05008.	0.3	0
59	Depletion Mechanisms in STED-inspired Lithography. , 2012, , .		0
60	Resonant tunneling through the repulsive Coulomb barrier of a quadruply charged molecular anion. <i>Physical Review A</i> , 2012, 85, .	2.5	27
61	Elucidating the Early Steps in Photoinitiated Radical Polymerization via Femtosecond Pump-Probe Experiments and DFT Calculations. <i>Macromolecules</i> , 2012, 45, 2257-2266.	4.8	37
62	Pump-probe spectroscopy on photoinitiators for stimulated-emission-depletion optical lithography. <i>Optics Letters</i> , 2011, 36, 3188.	3.3	54
63	Novel Lanthanide-Based Polymeric Chains and Corresponding Ultrafast Dynamics in Solution. <i>Inorganic Chemistry</i> , 2011, 50, 11990-12000.	4.0	48
64	The X-ray Focusing System at the Time-Resolved AMO Instrument. <i>Synchrotron Radiation News</i> , 0, , 1-9.	0.8	3