

# Ulrich J Lorenz

## 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.

28

papers

543

citations

13

h-index

23

g-index

31

ext. papers

637

ext. citations

6.7

avg, IF

3.84

L-index

#	Paper	IF	Citations
28	Infrared spectra of isolated protonated polycyclic aromatic hydrocarbons: protonated naphthalene. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6714-6	16.4	85
27	Hexaferrocenylbenzene. <i>Chemical Communications</i> , <b>2006</b> , 2572-4	5.8	74
26	A new tandem mass spectrometer for photofragment spectroscopy of cold, gas-phase molecular ions. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 073107	1.7	63
25	Nanofluidics. Observing liquid flow in nanotubes by 4D electron microscopy. <i>Science</i> , <b>2014</b> , 344, 1496-500	35.3	42
24	Spectroscopy of protonated peptides assisted by infrared multiple photon excitation. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 797-9	2.8	39
23	Protonation of heterocyclic aromatic molecules: IR signature of the protonation site of furan and pyrrole. <i>International Journal of Mass Spectrometry</i> , <b>2007</b> , 267, 43-53	1.9	39
22	Biomechanics of DNA structures visualized by 4D electron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2822-7	11.5	30
21	4D cryo-electron microscopy of proteins. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 19123-6	16.4	28
20	Entrance channel complexes of cationic aromatic SN2 reactions: IR spectra of fluorobenzene+(H2O) <sub>n</sub> clusters. <i>Chemical Physics Letters</i> , <b>2005</b> , 406, 321-326	2.5	25
19	Multiple isomers and protonation sites of the phenylalanine/serine dimer. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11053-5	16.4	22
18	Observation of Coulomb Fission of Individual Plasmonic Nanoparticles. <i>ACS Nano</i> , <b>2019</b> , 13, 12445-12451	16.7	16
17	Structure of zirconocene complexes relevant for olefin catalysis: infrared fingerprint of the Zr(C(5)H(5))(2)(OH)(CH(3)CN)(+) cation in the gas phase. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 20733-9	2.8	16
16	IR spectroscopy of isolated metalorganic complexes of biocatalytic interest: Evidence for coordination number four for Zn <sup>2+</sup> (imidazole) <sub>4</sub> . <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 308, 316-329	1.9	14
15	Planar multipole ion trap/time-of-flight mass spectrometer. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7895-901	7.8	12
14	Structural melting of an amino acid dimer upon intersystem crossing. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14974-80	16.4	8
13	Characterization of a time-resolved electron microscope with a Schottky field emission gun. <i>Structural Dynamics</i> , <b>2020</b> , 7, 054304	3.2	7
12	The fragmentation mechanism of gold nanoparticles in water under femtosecond laser irradiation. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5277-5283	5.1	6

11	A radio frequency/high voltage pulse generator for the operation of a planar multipole ion trap/time-of-flight mass spectrometer. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 044707	1.7	5
10	Intense microsecond electron pulses from a Schottky emitter. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 234103	3.4	4
9	Atomic-Resolution Imaging of Fast Nanoscale Dynamics with Bright Microsecond Electron Pulses. <i>Nano Letters</i> , <b>2021</b> , 21, 612-618	11.5	4
8	Real-time observation of jumping and spinning nanodroplets. <i>Structural Dynamics</i> , <b>2020</b> , 7, 011101	3.2	2
7	Rapid melting and revitrification as an approach to microsecond time-resolved cryo-electron microscopy. <i>Chemical Physics Letters</i> , <b>2021</b> , 778, 138812	2.5	2
6	Rapid In Situ Melting and Revitrification as an Approach to Microsecond Time-Resolved Cryo-Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 17-18	0.5	0
5	Microsecond melting and revitrification of cryo samples. <i>Structural Dynamics</i> , <b>2021</b> , 8, 054302	3.2	0
4	Accurate time zero determination in an ultrafast transmission electron microscope without energy filter. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 104103	3.4	0
3	Observing Liquid Flow in Nanotubes. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1205-1206	0.5	
2	The Fragmentation Mechanism of Gold Nanoparticles in Water under Femtosecond Laser Irradiation. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 65-66	0.5	
1	High-Resolution Transmission Electron Microscopy with Bright Microsecond Electron Pulses. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 27, 2714-2717	0.5	