Thomas Juffmann

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	858 citations	687363 13 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	897 citing authors

#	Article	IF	Citations
1	Quantum physics meets biology. HFSP Journal, 2009, 3, 386-400.	2.5	149
2	Designs for a quantum electron microscope. Ultramicroscopy, 2016, 164, 31-45.	1.9	122
3	Real-time single-molecule imaging of quantum interference. Nature Nanotechnology, 2012, 7, 297-300.	31.5	115
4	Programmable linear quantum networks with a multimode fibre. Nature Photonics, 2020, 14, 139-142.	31.4	67
5	Wave and Particle in Molecular Interference Lithography. Physical Review Letters, 2009, 103, 263601.	7.8	52
6	Experimental methods of molecular matter-wave optics. Reports on Progress in Physics, 2013, 76, 086402.	20.1	50
7	Multi-pass transmission electron microscopy. Scientific Reports, 2017, 7, 1699.	3.3	44
8	An atomically thin matter-wave beamsplitter. Nature Nanotechnology, 2015, 10, 845-848.	31.5	41
9	Electro-optic imaging enables efficient wide-field fluorescence lifetime microscopy. Nature Communications, 2019, 10, 4561.	12.8	32
10	Multi-pass microscopy. Nature Communications, 2016, 7, 12858.	12.8	29
11	New Prospects for de Broglie Interferometry. Foundations of Physics, 2012, 42, 98-110.	1.3	23
12	A Green's function approach to modeling molecular diffraction in the limit of ultraâ€thin gratings. Annalen Der Physik, 2015, 527, 580-591.	2.4	20
13	Design for a 10ÂkeV multi-pass transmission electron microscope. Ultramicroscopy, 2019, 207, 112834.	1.9	14
14	Immobilization of Zinc Porphyrin Complexes on Pyridine-Functionalized Glass Surfaces. Langmuir, 2010, 26, 10822-10826.	3.5	13
15	Local Optimization of Wave-fronts for optimal sensitivity PHase Imaging (LowPhi). Optics Communications, 2020, 454, 124484.	2.1	13
16	Fundamental bounds on the precision of iSCAT, COBRI and dark-field microscopy for 3D localization and mass photometry. Journal Physics D: Applied Physics, 2021, 54, 394002.	2.8	13
17	Fundamental Bounds on the Precision of Classical Phase Microscopes. Physical Review Applied, 2021, 15, .	3.8	10
18	Ultrafast Time-Resolved Photoelectric Emission. Physical Review Letters, 2015, 115, 264803.	7.8	9

#	Article	IF	Citations
19	Iterative creation and sensing of twisted light. Optics Letters, 2016, 41, 5744.	3.3	9
20	Quantum coherent propagation of complex molecules through the frustule of the algaAmphipleura pellucida. New Journal of Physics, 2013, 15, 083004.	2.9	8
21	On the role of the electric dipole moment in the diffraction of biomolecules at nanomechanical gratings. Fortschritte Der Physik, 2017, 65, 1600025.	4.4	7
22	Full-field cavity enhanced microscopy techniques. JPhys Photonics, 2019, 1, 015007.	4.6	5
23	Optical Near-Field Electron Microscopy. Physical Review Applied, 2021, 16, .	3.8	5
24	Ultrafast oscilloscope based on laser-triggered field emitters. Optics Letters, 2015, 40, 260.	3.3	4
25	Reducing Electron Beam Damage with Multipass Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1794-1795.	0.4	2
26	Electron optics for a multi-pass transmission electron microscope. Advances in Imaging and Electron Physics, 2019, 212, 71-86.	0.2	2
27	Fundamental Bounds on the Precision of Classical Interferometric Imaging Techniques. , 2021, , .		0
28	SEEC: Photography at the Speed of Light. Leonardo, 0, , 506-509.	0.3	0
29	Photo-electron streaking for synchronization of laser pulses with radiofrequency fields.. , 2016, , .		0
30	Multi-pass microscopy for quantum state engineering.. , 2016, , .		0
31	Multi-pass Phase Microscopy. , 2017, , .		0
32	Classical Fundamental Limits in Phase Microscopy. , 2021, , .		0
33	Maximizing the Information Content in Electron Microscopy Images. Microscopy and Microanalysis, 2021, 27, 63-64.	0.4	0