

# Malte Schlosser

## List of Publications by Year in descending order

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14  
papers

400  
citations

840776

11  
h-index

1125743

13  
g-index

15  
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docs citations

15  
times ranked

540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-Free Assembly of 2D Clusters of More Than 100 Single-Atom Quantum Systems. <i>Physical Review Letters</i> , 2019, 122, 203601.	7.8	117
2	Scalable architecture for quantum information processing with atoms in optical micro-structures. <i>Quantum Information Processing</i> , 2011, 10, 907-924.	2.2	51
3	Experimental observation of magic-wavelength behavior of $^{87}\text{Rb}$ atoms in an optical lattice. <i>Physical Review A</i> , 2010, 81, .	2.5	50
4	Reconfigurable site-selective manipulation of atomic quantum systems in two-dimensional arrays of dipole traps. <i>Physical Review A</i> , 2010, 81, .	2.5	38
5	Coherent Transport of Atomic Quantum States in a Scalable Shift Register. <i>Physical Review Letters</i> , 2010, 105, 170502.	7.8	35
6	Fast transport, atom sample splitting and single-atom qubit supply in two-dimensional arrays of optical microtraps. <i>New Journal of Physics</i> , 2012, 14, 123034.	2.9	23
7	Arrays of individually controllable optical tweezers based on 3D-printed microlens arrays. <i>Optics Express</i> , 2020, 28, 8640.	3.4	22
8	Quantum simulators by design: Many-body physics in reconfigurable arrays of tunnel-coupled traps. <i>Physical Review A</i> , 2017, 95, .	2.5	18
9	Digital laser frequency and intensity stabilization based on the STEMLab platform (originally Red Tj ETQq1 1 0.784314 rgBT /Qverlock	1.3	15
10	Optimization strategies for modulation transfer spectroscopy applied to laser stabilization. <i>Optics Express</i> , 2018, 26, 24010.	3.4	13
11	Assembled arrays of Rydberg-interacting atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 144001.	1.5	12
12	Terahertz homodyne self-mixing transmission spectroscopy. <i>Applied Physics Letters</i> , 2015, 106, 061111.	3.3	4
13	Wideband current modulation of diode lasers for frequency stabilization. <i>Review of Scientific Instruments</i> , 2022, 93, .	1.3	2
14	Rapid generation of Mott insulators from arrays of noncondensed atoms. <i>Physical Review A</i> , 2018, 97, .	2.5	0