

# Marcus Cramer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2755085/publications.pdf>

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27  
papers

4,299  
citations

331670

21  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2734  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Colloquium</i>: Area laws for the entanglement entropy. Reviews of Modern Physics, 2010, 82, 277-306.	45.6	1,945
2	Efficient quantum state tomography. Nature Communications, 2010, 1, 149.	12.8	394
3	Exact Relaxation in a Class of Nonequilibrium Quantum Lattice Systems. Physical Review Letters, 2008, 100, 030602.	7.8	363
4	Entropy, Entanglement, and Area: Analytical Results for Harmonic Lattice Systems. Physical Review Letters, 2005, 94, 060503.	7.8	303
5	Entanglement-area law for general bosonic harmonic lattice systems. Physical Review A, 2006, 73, .	2.5	173
6	A quantum central limit theorem for non-equilibrium systems: exact local relaxation of correlated states. New Journal of Physics, 2010, 12, 055020.	2.9	144
7	Exploring Local Quantum Many-Body Relaxation by Atoms in Optical Superlattices. Physical Review Letters, 2008, 101, 063001.	7.8	114
8	Probing local relaxation of cold atoms in optical superlattices. Physical Review A, 2008, 78, .	2.5	88
9	Single-copy entanglement in critical quantum spin chains. Physical Review A, 2005, 72, .	2.5	85
10	Correlations, spectral gap and entanglement in harmonic quantum systems on generic lattices. New Journal of Physics, 2006, 8, 71-71.	2.9	75
11	Scalable Reconstruction of Density Matrices. Physical Review Letters, 2013, 111, 020401.	7.8	73
12	Focus on quantum tomography. New Journal of Physics, 2013, 15, 125020.	2.9	68
13	Measuring Entanglement in Condensed Matter Systems. Physical Review Letters, 2011, 106, 020401.	7.8	64
14	Spatial entanglement of bosons in optical lattices. Nature Communications, 2013, 4, 2161.	12.8	64
15	Statistics Dependence of the Entanglement Entropy. Physical Review Letters, 2007, 98, 220603.	7.8	63
16	Half the entanglement in critical systems is distillable from a single specimen. Physical Review A, 2006, 73, .	2.5	58
17	Inhomogeneous Atomic Bose-Fermi Mixtures in Cubic Lattices. Physical Review Letters, 2004, 93, 190405.	7.8	50
18	Do Mixtures of Bosonic and Fermionic Atoms Adiabatically Heat Up in Optical Lattices?. Physical Review Letters, 2008, 100, 140409.	7.8	36

#	ARTICLE	IF	CITATIONS
19	Thermalization under randomized local Hamiltonians. <i>New Journal of Physics</i> , 2012, 14, 053051.	2.9	33
20	A scalable maximum likelihood method for quantum state tomography. <i>New Journal of Physics</i> , 2013, 15, 125004.	2.9	30
21	Coherent acceleration of Bose-Einstein condensates. <i>Physical Review A</i> , 2001, 64, .	2.5	23
22	Momentum-state engineering and control in Bose-Einstein condensates. <i>Physical Review A</i> , 2001, 64, .	2.5	21
23	Quantifying entanglement with scattering experiments. <i>Physical Review B</i> , 2014, 89, .	3.2	15
24	Interaction-Dependent Temperature Effects in Bose-Fermi Mixtures in Optical Lattices. <i>Physical Review Letters</i> , 2011, 106, 215302.	7.8	10
25	Raman coupler for a trapped two-component quantum-degenerate Fermi gas. <i>Physical Review A</i> , 2002, 65, .	2.5	5
26	Petz recovery versus matrix reconstruction. <i>Journal of Mathematical Physics</i> , 2018, 59, 042201.	1.1	2
27	Entanglement scaling in lattice systems. <i>Journal of Physics: Conference Series</i> , 2007, 67, 012021.	0.4	0