

Marcus Cramer

List of Publications by Year in descending order

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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	Petz recovery versus matrix reconstruction. Journal of Mathematical Physics, 2018, 59, 042201.	1.1	2
2	Quantifying entanglement with scattering experiments. Physical Review B, 2014, 89, .	3.2	15
3	Scalable Reconstruction of Density Matrices. Physical Review Letters, 2013, 111, 020401.	7.8	73
4	Spatial entanglement of bosons in optical lattices. Nature Communications, 2013, 4, 2161.	12.8	64
5	Focus on quantum tomography. New Journal of Physics, 2013, 15, 125020.	2.9	68
6	A scalable maximum likelihood method for quantum state tomography. New Journal of Physics, 2013, 15, 125004.	2.9	30
7	Thermalization under randomized local Hamiltonians. New Journal of Physics, 2012, 14, 053051.	2.9	33
8	Measuring Entanglement in Condensed Matter Systems. Physical Review Letters, 2011, 106, 020401.	7.8	64
9	Interaction-Dependent Temperature Effects in Bose-Fermi Mixtures in Optical Lattices. Physical Review Letters, 2011, 106, 215302.	7.8	10
10	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
11	Efficient quantum state tomography. Nature Communications, 2010, 1, 149.	12.8	394
12	<i>Colloquium</i>: Area laws for the entanglement entropy. Reviews of Modern Physics, 2010, 82, 277-306.	45.6	1,945
13	Exploring Local Quantum Many-Body Relaxation by Atoms in Optical Superlattices. Physical Review Letters, 2008, 101, 063001.	7.8	114
14	Do Mixtures of Bosonic and Fermionic Atoms Adiabatically Heat Up in Optical Lattices?. Physical Review Letters, 2008, 100, 140409.	7.8	36
15	Probing local relaxation of cold atoms in optical superlattices. Physical Review A, 2008, 78, .	2.5	88
16	Exact Relaxation in a Class of Nonequilibrium Quantum Lattice Systems. Physical Review Letters, 2008, 100, 030602.	7.8	363
17	Statistics Dependence of the Entanglement Entropy. Physical Review Letters, 2007, 98, 220603.	7.8	63
18	Entanglement scaling in lattice systems. Journal of Physics: Conference Series, 2007, 67, 012021.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Entanglement-area law for general bosonic harmonic lattice systems. <i>Physical Review A</i> , 2006, 73, .	2.5	173
20	Correlations, spectral gap and entanglement in harmonic quantum systems on generic lattices. <i>New Journal of Physics</i> , 2006, 8, 71-71.	2.9	75
21	Half the entanglement in critical systems is distillable from a single specimen. <i>Physical Review A</i> , 2006, 73, .	2.5	58
22	Single-copy entanglement in critical quantum spin chains. <i>Physical Review A</i> , 2005, 72, .	2.5	85
23	Entropy, Entanglement, and Area: Analytical Results for Harmonic Lattice Systems. <i>Physical Review Letters</i> , 2005, 94, 060503.	7.8	303
24	Inhomogeneous Atomic Bose-Fermi Mixtures in Cubic Lattices. <i>Physical Review Letters</i> , 2004, 93, 190405.	7.8	50
25	Raman coupler for a trapped two-component quantum-degenerate Fermi gas. <i>Physical Review A</i> , 2002, 65, .	2.5	5
26	Coherent acceleration of Bose-Einstein condensates. <i>Physical Review A</i> , 2001, 64, .	2.5	23
27	Momentum-state engineering and control in Bose-Einstein condensates. <i>Physical Review A</i> , 2001, 64, .	2.5	21