

E Miles Stoudenmire

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,848
citations

361413

20
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying Two-Dimensional Systems with the Density Matrix Renormalization Group. Annual Review of Condensed Matter Physics, 2012, 3, 111-128.	14.5	280
2	Interaction effects in topological superconducting wires supporting Majorana fermions. Physical Review B, 2011, 84, .	3.2	233
3	Minimally entangled typical thermal state algorithms. New Journal of Physics, 2010, 12, 055026.	2.9	181
4	Towards quantum machine learning with tensor networks. Quantum Science and Technology, 2019, 4, 024001.	5.8	181
5	Topological phases in ultracold polar-molecule quantum magnets. Physical Review B, 2013, 87, .	3.2	94
6	What Limits the Simulation of Quantum Computers?. Physical Review X, 2020, 10, .	8.9	89
7	Quadrupolar correlations and spin freezing in $S=1$ triangular lattice antiferromagnets. Physical Review B, 2009, 79, .	3.2	83
8	One-Dimensional Continuum Electronic Structure with the Density-Matrix Renormalization Group and Its Implications for Density-Functional Theory. Physical Review Letters, 2012, 109, 056402.	7.8	73
9	Corner contribution to the entanglement entropy of an $O(3)$ quantum critical point in $2+1$ dimensions. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P06009.	2.3	66
10	Learning relevant features of data with multi-scale tensor networks. Quantum Science and Technology, 2018, 3, 034003.	5.8	64
11	Reference electronic structure calculations in one dimension. Physical Chemistry Chemical Physics, 2012, 14, 8581.	2.8	63
12	Real-space parallel density matrix renormalization group. Physical Review B, 2013, 87, .	3.2	55
13	Mott Insulating States with Competing Orders in the Triangular Lattice Hubbard Model. Physical Review X, 2021, 11, .	8.9	50
14	Corner contribution to the entanglement entropy of strongly interacting $O(2)$ quantum critical systems in $2+1$ dimensions. Physical Review B, 2014, 90, .	3.2	49
15	Assembling Fibonacci anyons from a Z_3 parafermion lattice model. Physical Review B, 2015, 91, .	3.2	41
16	Guaranteed Convergence of the Kohn-Sham Equations. Physical Review Letters, 2013, 111, 093003.	7.8	39
17	Kohn-Sham calculations with the exact functional. Physical Review B, 2014, 90, .	3.2	39
18	Stripes, Antiferromagnetism, and the Pseudogap in the Doped Hubbard Model at Finite Temperature. Physical Review X, 2021, 11, .	8.9	31

#	ARTICLE	IF	CITATIONS
19	One-dimensional mimicking of electronic structure: The case for exponentials. Physical Review B, 2015, 91, .	3.2	28
20	Sliced Basis Density Matrix Renormalization Group for Electronic Structure. Physical Review Letters, 2017, 119, 046401.	7.8	28
21	Unusual corrections to scaling and convergence of universal Renyi properties at quantum critical points. Physical Review B, 2016, 93, .	3.2	19
22	Modeling sequences with quantum states: a look under the hood. Machine Learning: Science and Technology, 2020, 1, 035008.	5.0	17
23	Multi-scale tensor network architecture for machine learning. Machine Learning: Science and Technology, 2021, 2, 035036.	5.0	15
24	Hybrid purification and sampling approach for thermal quantum systems. Physical Review B, 2020, 101, .	3.2	10
25	Hubbard model on the Bethe lattice via variational uniform tree states: Metal-insulator transition and a Fermi liquid. Physical Review Research, 2021, 3, .	3.6	3
26	Minimally entangled typical thermal state algorithms for finite temperature Matsubara Green functions. Physical Review B, 2022, 105, .	3.2	2
27	Magneto-resistive effects in ferromagnet-superconductor multilayers. Journal of Applied Physics, 2005, 97, 10J108.	2.5	0