

# E Miles Stoudenmire

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26 papers	1,245 citations	18 h-index	29 g-index
29 ext. papers	1,592 ext. citations	5.1 avg, IF	5.11 L-index

#	Paper	IF	Citations
26	Mott Insulating States with Competing Orders in the Triangular Lattice Hubbard Model. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	4
25	Multi-scale tensor network architecture for machine learning. <i>Machine Learning: Science and Technology</i> , <b>2021</b> , 2, 035036	5.1	5
24	Stripes, Antiferromagnetism, and the Pseudogap in the Doped Hubbard Model at Finite Temperature. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	4
23	Hybrid purification and sampling approach for thermal quantum systems. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	6
22	Modeling sequences with quantum states: a look under the hood. <i>Machine Learning: Science and Technology</i> , <b>2020</b> , 1, 035008	5.1	9
21	What Limits the Simulation of Quantum Computers?. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	23
20	Multisliced gausslet basis sets for electronic structure. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	7
19	Towards quantum machine learning with tensor networks. <i>Quantum Science and Technology</i> , <b>2019</b> , 4, 024001	5.5	93
18	Learning relevant features of data with multi-scale tensor networks. <i>Quantum Science and Technology</i> , <b>2018</b> , 3, 034003	5.5	36
17	Sliced Basis Density Matrix Renormalization Group for Electronic Structure. <i>Physical Review Letters</i> , <b>2017</b> , 119, 046401	7.4	20
16	Unusual corrections to scaling and convergence of universal Renyi properties at quantum critical points. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	15
15	Assembling Fibonacci anyons from a Z3 parafermion lattice model. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	27
14	One-dimensional mimicking of electronic structure: The case for exponentials. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	22
13	Kohn-Sham calculations with the exact functional. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	29
12	Corner contribution to the entanglement entropy of strongly interacting O(2) quantum critical systems in 2+1 dimensions. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	39
11	Corner contribution to the entanglement entropy of an O(3) quantum critical point in 2 + 1 dimensions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P06009	1.9	52
10	Guaranteed convergence of the Kohn-Sham equations. <i>Physical Review Letters</i> , <b>2013</b> , 111, 093003	7.4	35

9	Topological phases in ultracold polar-molecule quantum magnets. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	72
8	Real-space parallel density matrix renormalization group. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	42
7	Studying Two-Dimensional Systems with the Density Matrix Renormalization Group. <i>Annual Review of Condensed Matter Physics</i> , <b>2012</b> , 3, 111-128	19.7	199
6	Reference electronic structure calculations in one dimension. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8581-90	3.6	52
5	One-dimensional continuum electronic structure with the density-matrix renormalization group and its implications for density-functional theory. <i>Physical Review Letters</i> , <b>2012</b> , 109, 056402	7.4	64
4	Interaction effects in topological superconducting wires supporting Majorana fermions. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	202
3	Minimally entangled typical thermal state algorithms. <i>New Journal of Physics</i> , <b>2010</b> , 12, 055026	2.9	127
2	Quadrupolar correlations and spin freezing in S=1 triangular lattice antiferromagnets. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	61
1	Magnetoresistive effects in ferromagnet-superconductor multilayers. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10J108	2.5	