Hitesh Changlani

List of Publications by Citations

28 papers	595 citations	13 h-index	24 g-index
34 ext. papers	808 ext. citations	5.5 avg, IF	4.18 L-index

#	Paper	IF	Citations
28	Semistochastic projector Monte Carlo method. *Physical Review Letters*, **2012**, 109, 230201	7.4	130
27	Approximating strongly correlated wave functions with correlator product states. *Physical Review B* , **2009**, 80,	3.3	80
26	Efficient Heat-Bath Sampling in Fock Space. *Journal of Chemical Theory and Computation*, **2016**, 12, 1561	5.4	56
25	Phase diagram of the Z3 parafermionic chain with chiral interactions. *Physical Review B*, **2015**, 92,	3.3	40
24	Trimerized ground state of the spin-1 Heisenberg antiferromagnet on the kagome lattice. *Physical Review B*, **2015**, 91,	3.3	34
23	Continuum of quantum fluctuations in a three-dimensional S = 1 Heisenberg magnet. *Nature Physics*, **2019**, 15, 54-59	16.2	31
22	Reentrant Phase Diagram of Yb_{2}Ti_{2}O_{7} in a <111> Magnetic Field. *Physical Review Letters*, **2017**, 119, 127201	7.4	29
21	Exact three-colored quantum scars from geometric frustration. *Physical Review B*, **2020**, 101,	3.3	25
20	Macroscopically Degenerate Exactly Solvable Point in the Spin-1/2 Kagome Quantum Antiferromagnet. *Physical Review Letters*, **2018**, 120, 117202	7.4	25
19	Nonstochastic algorithms for Jastrow-Slater and correlator product state wave functions. *Physical Review B*, **2011**, 84,	3.3	25
18	Heisenberg antiferromagnet on Cayley trees: Low-energy spectrum and even/odd site imbalance. *Physical Review B*, **2013**, 87,	3.3	15
17	Density-matrix based determination of low-energy model Hamiltonians from ab initio wavefunctions. *Journal of Chemical Physics*, **2015**, 143, 102814	3.9	14
16	From Real Materials to Model Hamiltonians With Density Matrix Downfolding. *Frontiers in Physics*, **2018**, 6,	3.9	13
15	Emergent spin excitations in a Bethe lattice at percolation. *Physical Review Letters*, **2013**, 111, 157201	7.4	12
14	Numerical evidence for a chiral spin liquid in the XXZ antiferromagnetic Heisenberg model on the kagome lattice at m=23 magnetization. *Physical Review B*, **2016**, 94,	3.3	9
13	Resonating quantum three-coloring wave functions for the kagome quantum antiferromagnet. *Physical Review B*, **2019**, 99,	3.3	8
12	Dynamical Structure Factor of the Three-Dimensional Quantum Spin Liquid Candidate NaCaNi_{2}F_{7}. *Physical Review Letters*, **2019**, 122, 167203	7.4	7

List of Publications

11	Density-matrix based numerical methods for discovering order and correlations in interacting systems. *Journal of Statistical Mechanics: Theory and Experiment*, **2014**, 2014, P11002	1.9	7
10	Determination of Tomonaga-Luttinger parameters for a two-component liquid. *Physical Review B*, **2015**, 92,	3.3	6
9	Charge density waves in disordered media circumventing the Imry-Ma argument. *Scientific Reports*, **2016**, 6, 31897	4.9	5
8	Frustration-induced emergent Hilbert space fragmentation. *Physical Review B*, **2021**, 103,	3.3	5
7	Spin-lattice Coupling and the Emergence of the Trimerized Phase in the S=1 Kagome Antiferromagnet Na_{2}Ti_{3}Cl_{8}. *Physical Review Letters*, **2020**, 124, 167203	7.4	5
6	Tunable Magnon Interactions in a Ferromagnetic Spin-1 Chain. *Physical Review Letters*, **2020**, 124, 037203	7.4	4
5	Multiphase magnetism in YbTiO. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27245-27254	11.5	4
4	Schwinger boson mean field perspective on emergent spins in diluted Heisenberg antiferromagnets. *Physical Review B*, **2015**, 92,	3.3	2
3	Quantum spin liquid with seven elementary particles. *Physical Review B*, **2017**, 95,	3.3	2
2	Orientation dependence of the magnetic phase diagram of Yb2Ti2O7. *Physical Review B*, **2020**, 101,	3.3	2
1	Paul et al. Reply. *Physical Review Letters*, **2021**, 127, 049702	7.4	