

# Hitesh Changlani

## 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.

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	Frustration-induced emergent Hilbert space fragmentation. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	5
27	Paul et al. Reply. <i>Physical Review Letters</i> , <b>2021</b> , 127, 049702	7.4	
26	Exact three-colored quantum scars from geometric frustration. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	25
25	Tunable Magnon Interactions in a Ferromagnetic Spin-1 Chain. <i>Physical Review Letters</i> , <b>2020</b> , 124, 037203	7.4	4
24	Orientation dependence of the magnetic phase diagram of Yb <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
23	Multiphase magnetism in YbTiO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27245-27254	11.5	4
22	Spin-lattice Coupling and the Emergence of the Trimerized Phase in the S=1 Kagome Antiferromagnet Na <sub>2</sub> Ti <sub>3</sub> Cl <sub>8</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 124, 167203	7.4	5
21	Dynamical Structure Factor of the Three-Dimensional Quantum Spin Liquid Candidate NaCaNi <sub>2</sub> F <sub>7</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 122, 167203	7.4	7
20	Resonating quantum three-coloring wave functions for the kagome quantum antiferromagnet. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
19	Continuum of quantum fluctuations in a three-dimensional S = 1 Heisenberg magnet. <i>Nature Physics</i> , <b>2019</b> , 15, 54-59	16.2	31
18	Macroscopically Degenerate Exactly Solvable Point in the Spin-1/2 Kagome Quantum Antiferromagnet. <i>Physical Review Letters</i> , <b>2018</b> , 120, 117202	7.4	25
17	From Real Materials to Model Hamiltonians With Density Matrix Downfolding. <i>Frontiers in Physics</i> , <b>2018</b> , 6,	3.9	13
16	Quantum spin liquid with seven elementary particles. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	2
15	Reentrant Phase Diagram of Yb <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> in a <111> Magnetic Field. <i>Physical Review Letters</i> , <b>2017</b> , 119, 127201	7.4	29
14	Charge density waves in disordered media circumventing the Imry-Ma argument. <i>Scientific Reports</i> , <b>2016</b> , 6, 31897	4.9	5
13	Efficient Heat-Bath Sampling in Fock Space. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 15616-15621	6.1	56
12	Numerical evidence for a chiral spin liquid in the XXZ antiferromagnetic Heisenberg model on the kagome lattice at m=23 magnetization. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9

11	Schwinger boson mean field perspective on emergent spins in diluted Heisenberg antiferromagnets. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	2
10	Density-matrix based determination of low-energy model Hamiltonians from ab initio wavefunctions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 102814	3-9	14
9	Trimerized ground state of the spin-1 Heisenberg antiferromagnet on the kagome lattice. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	34
8	Phase diagram of the Z3 parafermionic chain with chiral interactions. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	40
7	Determination of Tomonaga-Luttinger parameters for a two-component liquid. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	6
6	Density-matrix based numerical methods for discovering order and correlations in interacting systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P11002	1-9	7
5	Heisenberg antiferromagnet on Cayley trees: Low-energy spectrum and even/odd site imbalance. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	15
4	Emergent spin excitations in a Bethe lattice at percolation. <i>Physical Review Letters</i> , <b>2013</b> , 111, 157201	7-4	12
3	Semistochastic projector Monte Carlo method. <i>Physical Review Letters</i> , <b>2012</b> , 109, 230201	7-4	130
2	Nonstochastic algorithms for Jastrow-Slater and correlator product state wave functions. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	25
1	Approximating strongly correlated wave functions with correlator product states. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	80