

# Hitesh Changlani

## List of Publications by Year in descending order

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33  
papers

944  
citations

471061

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h-index

433756

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semistochastic Projector Monte Carlo Method. Physical Review Letters, 2012, 109, 230201.	2.9	151
2	Approximating strongly correlated wave functions with correlator product states. Physical Review B, 2009, 80, .	1.1	88
3	Exact three-colored quantum scars from geometric frustration. Physical Review B, 2020, 101, .	1.1	69
4	Efficient Heat-Bath Sampling in Fock Space. Journal of Chemical Theory and Computation, 2016, 12, 1561-1571.	2.3	66
5	Continuum of quantum fluctuations in a three-dimensional $S=1$ Heisenberg magnet. Nature Physics, 2019, 15, 54-59.	6.5	62
6	Phase diagram of the $Z_3$ chain with chiral interactions. Physical Review B, 2015, 92, .	4.1	45
7	Macroscopically Degenerate Exactly Solvable Point in the Spin-1 Kagome Quantum Antiferromagnet. Physical Review Letters, 2018, 120, 117202.	2.9	45
8	Reentrant Phase Diagram of $Yb_2O_7$ in a $Z_3$ Chain. Physical Review Letters, 2017, 119, 127201.	2.9	43
9	Dynamical Structure Factor of the Three-Dimensional Quantum Spin Liquid Candidate $NaCaNi_7F$ . Physical Review Letters, 2019, 122, 167203.	2.9	43
10	Trimerized ground state of the spin-1 Heisenberg antiferromagnet on the kagome lattice. Physical Review B, 2015, 91, .	1.1	40
11	Nonstochastic algorithms for Jastrow-Slater and correlator product state wave functions. Physical Review B, 2011, 84, .	1.1	26
12	Frustration-induced emergent Hilbert space fragmentation. Physical Review B, 2021, 103, .	1.1	24
13	Heisenberg antiferromagnet on Cayley trees: Low-energy spectrum and even/odd site imbalance. Physical Review B, 2013, 87, .	1.1	23
14	Density-matrix based determination of low-energy model Hamiltonians from <i>ab initio</i> wavefunctions. Journal of Chemical Physics, 2015, 143, 102814.	1.2	23
15	Multiphase magnetism in $Yb_2Ti_2O_7$ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27245-27254.	3.3	23
16	Sleuthing out exotic quantum spin liquidity in the pyrochlore magnet $Ce_2Zr_2O_7$ . Npj Quantum Materials, 2022, 7, .	1.8	22
17	From Real Materials to Model Hamiltonians With Density Matrix Downfolding. Frontiers in Physics, 2018, 6, .	1.0	19
18	Emergent Spin Excitations in a Bethe Lattice at Percolation. Physical Review Letters, 2013, 111, 157201.	2.9	17

#	ARTICLE	IF	CITATIONS
19	Resonating quantum three-coloring wave functions for the kagome quantum antiferromagnet. Physical Review B, 2019, 99, .	1.1	16
20	Tunable Magnon Interactions in a Ferromagnetic Spin-1 Chain. Physical Review Letters, 2020, 124, 037203.	2.9	16
21	Spin-lattice Coupling and the Emergence of the Trimerized Phase in the Kagome Antiferromagnet $S=1$ Kagome Antiferromagnet $Na_2$ Physical Review Letters, 2020, 124, 167203.	2.9	13
22	Determination of Tomonaga-Luttinger parameters for a two-component liquid. Physical Review B, 2015, 92, .	1.1	10
23	Numerical evidence for a chiral spin liquid in the XXZ antiferromagnetic Heisenberg model on the kagome lattice at $m$ Physical Review B, 2016, 94, .	1.1	10
24	Density-matrix based numerical methods for discovering order and correlations in interacting systems. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11002.	0.9	8
25	Charge density waves in disordered media circumventing the Imry-Ma argument. Scientific Reports, 2016, 6, 31897.	1.6	7
26	Colorful points in the XY regime of XXZ quantum magnets. Physical Review B, 2021, 103, .	1.1	6
27	Orientation dependence of the magnetic phase diagram of $Yb_2O_7$ Physical Review B, 2020, 101, .	1.1	5
28	Schwinger boson mean field perspective on emergent spins in diluted Heisenberg antiferromagnets. Physical Review B, 2015, 92, .	1.1	4
29	Multimagnon dynamics and thermalization in the $S=1$ easy-axis ferromagnetic chain. Physical Review B, 2022, 105, .		
30	Quantum spin liquid with seven elementary particles. Physical Review B, 2017, 95, .	1.1	2
31	Many-body energy invariant for $T$ -linear resistivity. Physical Review B, 2022, 105, .	1.1	2
32	Investigation of the monopole magneto-chemical potential in spin ices using capacitive torque magnetometry. Nature Communications, 2022, 13, .	5.8	2
33	Pauli Reply. Physical Review Letters, 2021, 127, 049702.	2.9	0