

# Ehsan Khatami

## List of Publications by Year in descending order

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47  
papers

2,144  
citations

411340

20  
h-index

252626

46  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge density wave and superconductivity in the disordered Holstein model. Physical Review B, 2021, 103, .	1.1	9
2	Thermodynamics of the disordered Hubbard model studied via numerical linked-cluster expansions. Physical Review B, 2021, 104, .	1.1	3
3	Effect of strain on charge density wave order in the Holstein model. Physical Review B, 2019, 100, .	1.1	14
4	Lanczos-boosted numerical linked-cluster expansion for quantum lattice models. Physical Review E, 2019, 100, 013305.	0.8	5
5	Accelerating lattice quantum Monte Carlo simulations using artificial neural networks: Application to the Holstein model. Physical Review B, 2019, 100, .	1.1	23
6	Machine learning in electronic-quantum-matter imaging experiments. Nature, 2019, 570, 484-490.	13.7	133
7	Numerical linked-cluster expansions for disordered lattice models. Physical Review B, 2019, 99, .	1.1	5
8	Ground state phase diagram of the one-dimensional Bose-Hubbard model from restricted Boltzmann machines. Journal of Physics: Conference Series, 2019, 1290, 012005.	0.3	11
9	Principal component analysis of the magnetic transition in the three-dimensional Fermi-Hubbard model. Journal of Physics: Conference Series, 2019, 1290, 012006.	0.3	3
10	Spin transport in a Mott insulator of ultracold fermions. Science, 2019, 363, 383-387.	6.0	106
11	Unconventional pairing symmetry of interacting Dirac fermions on a $\mathbb{Z}_2$ -flux lattice. Physical Review B, 2018, 97, .	1.1	13
12	Unsupervised machine learning account of magnetic transitions in the Hubbard model. Physical Review E, 2018, 97, 013306.	0.8	84
13	Competing phases and orbital-selective behaviors in the two-orbital Hubbard-Holstein model. Physical Review B, 2017, 95, .	1.1	9
14	Spin-imbalance in a 2D Fermi-Hubbard system. Science, 2017, 357, 1385-1388.	6.0	118
15	Machine Learning Phases of Strongly Correlated Fermions. Physical Review X, 2017, 7, .	2.8	216
16	Transport and optical conductivity in the Hubbard model: A high-temperature expansion perspective. Physical Review B, 2016, 94, .	1.1	40
17	Three-dimensional Hubbard model in the thermodynamic limit. Physical Review B, 2016, 94, .	1.1	15
18	Observation of spatial charge and spin correlations in the 2D Fermi-Hubbard model. Science, 2016, 353, 1260-1264.	6.0	254

#	ARTICLE	IF	CITATIONS
19	Geometry dependence of the sign problem in quantum Monte Carlo simulations. Physical Review B, 2015, 92, .	1.1	64
20	Cooling Atomic Gases With Disorder. Physical Review Letters, 2015, 115, 240402.	2.9	19
21	Observation of antiferromagnetic correlations in the Hubbard model with ultracold atoms. Nature, 2015, 519, 211-214.	13.7	307
22	Finite-temperature superconducting correlations of the Hubbard model. Physical Review B, 2015, 91, .	1.1	13
23	Compressibility of a Fermionic Mott Insulator of Ultracold Atoms. Physical Review Letters, 2015, 114, 070403.	2.9	53
24	Magnetic Correlations and Pairing in the $1/5$ -Depleted Square Lattice Hubbard Model. Physical Review Letters, 2014, 113, 106402.	2.9	12
25	Linked-cluster expansion for the Green's function of the infinite-U Hubbard model. Physical Review E, 2014, 89, 063301.	0.8	8
26	Fluctuation-dissipation theorem in isolated quantum systems out of equilibrium. Journal of Physics: Conference Series, 2014, 510, 012035.	0.3	1
27	A short introduction to numerical linked-cluster expansions. Computer Physics Communications, 2013, 184, 557-564.	3.0	77
28	Electronic spectral properties of the two-dimensional infinite- $U$ Hubbard model. Physical Review B, 2013, 87, .	1.1	7
29	Finite-temperature properties of strongly correlated fermions in the honeycomb lattice. Physical Review B, 2013, 88, .	1.1	14
30	Fluctuation-Dissipation Theorem in an Isolated System of Quantum Dipolar Bosons after a Quench. Physical Review Letters, 2013, 111, 050403.	2.9	96
31	Short-Range Correlations and Cooling of Ultracold Fermions in the Honeycomb Lattice. Physical Review Letters, 2012, 109, 205301.	2.9	16
32	Numerical study of the thermodynamics of clinoatcamite. Physical Review B, 2012, 85, .	1.1	11
33	Numerical linked-cluster expansion for the distorted kagome lattice Heisenberg model. Journal of Physics: Conference Series, 2012, 402, 012018.	0.3	0
34	Accessing the Mott Regime in 2D Optical Lattices with Strongly Interacting Fermions. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2145-2147.	0.8	1
35	Effect of particle statistics in strongly correlated two-dimensional Hubbard models. Physical Review A, 2012, 86, .	1.0	20
36	Quantum quenches in disordered systems: Approach to thermal equilibrium without a typical relaxation time. Physical Review E, 2012, 85, 050102.	0.8	66

#	ARTICLE	IF	CITATIONS
37	Dynamical Cluster Approximation. Springer Series in Solid-state Sciences, 2012, , 271-302.	0.3	1
38	Thermodynamics and phase transitions for the Heisenberg model on the pinwheel distorted kagome lattice. Physical Review B, 2011, 84, .	1.1	20
39	Thermodynamics of strongly interacting fermions in two-dimensional optical lattices. Physical Review A, 2011, 84, .	1.0	71
40	Thermodynamics of the antiferromagnetic Heisenberg model on the checkerboard lattice. Physical Review B, 2011, 83, .	1.1	18
41	Proximity of the Superconducting Dome and the Quantum Critical Point in the Two-Dimensional Hubbard Model. Physical Review Letters, 2011, 106, 047004.	2.9	45
42	Quantum criticality and incipient phase separation in the thermodynamic properties of the Hubbard model. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 1670-1686.	1.6	13
43	Cluster solver for dynamical mean-field theory with linear scaling in inverse temperature. Physical Review E, 2010, 81, 056703.	0.8	12
44	Quantum criticality due to incipient phase separation in the two-dimensional Hubbard model. Physical Review B, 2010, 81, .	1.1	41
45	Thermodynamics of the quantum critical point at finite doping in the two-dimensional Hubbard model studied via the dynamical cluster approximation. Physical Review B, 2009, 80, .	1.1	30
46	Validity of the spin-susceptibility $\chi_{\text{spin}}$ approximation for pairing in the two-dimensional Hubbard model. Physical Review B, 2009, 80, .	1.1	3
47	Effect of long-range hopping on $\chi_{\text{spin}}$ in a two-dimensional Hubbard-Holstein model of the cuprates. Physical Review B, 2008, 78, .	1.1	20