

# Stephen Powell

## List of Publications by Year in descending order

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papers

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citations

471509

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28  
docs citations

28  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Kasteleyn transition. <i>Physical Review B</i> , 2022, 105, .	3.2	1
2	Topological sectors, dimer correlations, and monomers from the transfer-matrix solution of the dimer model. <i>Physical Review E</i> , 2021, 104, 014145.	2.1	2
3	Interacting double dimer model on the square lattice. <i>Physical Review B</i> , 2020, 102, .	3.2	9
4	Synchronization transition in the double dimer model on the cubic lattice. <i>Physical Review B</i> , 2019, 99, .	3.2	3
5	Emergent $SO(5)$ Symmetry at the Columnar Ordering Transition in the Classical Cubic Dimer Model. <i>Physical Review Letters</i> , 2019, 122, 080601.	7.8	33
6	Phases of quantum dimers from ensembles of classical stochastic trajectories. <i>Physical Review B</i> , 2018, 98, .	3.2	19
7	Quantum Slow Relaxation and Metastability due to Dynamical Constraints. <i>Physical Review Letters</i> , 2018, 121, 040603.	7.8	74
8	Mean-field theory for confinement transitions and magnetization plateaux in spin ice. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 124001.	2.1	1
9	Eigenstate thermalization hypothesis in quantum dimer models. <i>Physical Review B</i> , 2017, 96, .	3.2	27
10	Emergence of cooperative dynamics in fully packed classical dimers. <i>Physical Review E</i> , 2016, 93, 032129.	2.1	8
11	Scaling dimensions of higher-charge monopoles at deconfined critical points. <i>Physical Review B</i> , 2015, 92, .	3.2	32
12	Ferromagnetic Coulomb phase in classical spin ice. <i>Physical Review B</i> , 2015, 91, .	3.2	8
13	Critical behavior in the cubic dimer model at nonzero monomer density. <i>Physical Review B</i> , 2014, 89, .	3.2	18
14	Confinement of monopoles and scaling theory near unconventional critical points. <i>Physical Review B</i> , 2013, 87, .	3.2	13
15	Universal Monopole Scaling near Transitions from the Coulomb Phase. <i>Physical Review Letters</i> , 2012, 109, 065701.	7.8	9
16	Order by disorder in spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2012, 85, .	2.5	72
17	Chiral Rashba spin textures in ultracold Fermi gases. <i>Physical Review B</i> , 2011, 83, .	3.2	101
18	Bogoliubov theory of interacting bosons on a lattice in a synthetic magnetic field. <i>Physical Review A</i> , 2011, 83, .	2.5	31

#	ARTICLE	IF	CITATIONS
19	Higgs transitions of spin ice. <i>Physical Review B</i> , 2011, 84, .	3.2	28
20	Interacting Hofstadter Spectrum of Atoms in an Artificial Gauge Field. <i>Physical Review Letters</i> , 2010, 104, 255303.	7.8	39
21	Classical to quantum mapping for an unconventional phase transition in a three-dimensional classical dimer model. <i>Physical Review B</i> , 2009, 80, .	3.2	24
22	Magnetic phases and transitions of the two-species Bose-Hubbard model. <i>Physical Review A</i> , 2009, 79, .	2.5	18
23	Classical to quantum mappings for geometrically frustrated systems: Spin-ice in a [100] field. <i>Physical Review B</i> , 2008, 78, .	3.2	29
24	SU(2)-Invariant Continuum Theory for an Unconventional Phase Transition in a Three-Dimensional Classical Dimer Model. <i>Physical Review Letters</i> , 2008, 101, 155702.	7.8	33
25	Excited-state spectra at the superfluid-insulator transition out of paired condensates. <i>Physical Review A</i> , 2007, 75, .	2.5	5
26	Spin dynamics across the superfluid-insulator transition of spinful bosons. <i>Physical Review A</i> , 2007, 76, .	2.5	7
27	Depletion of the Bose-Einstein condensate in Bose-Fermi mixtures. <i>Physical Review B</i> , 2005, 72, .	3.2	55
28	Quench dynamics across quantum critical points. <i>Physical Review A</i> , 2004, 69, .	2.5	245