

A quantum magnetic analogue to the critical point of wa

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simulation of three-dimensional quantum systems with projected entangled-pair states. Physical Review B, 2021, 103, .	3.2	14
2	Fluctuation-induced ferrimagnetism in sublattice imbalanced antiferromagnets with application to SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> . ( $T_J = 0.784314 \text{ K}$ ) ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 692 Td ( $\text{J} = 0.784314 \text{ K}$ ) under pressure. Physical Review B, 2021, 104, .	3.2	14
3	Time evolution of an infinite projected entangled pair state: Neighborhood tensor update. Physical Review B, 2021, 104, .	3.2	14
4	Rise and fall of plaquette order in the Shastry-Sutherland magnet revealed by pseudofermion functional renormalization group. Physical Review B, 2022, 105, .	3.2	12
5	Coexistence of spontaneous dimerization and magnetic order in a transverse-field Ising ladder with four-spin interactions. Physical Review B, 2022, 105, .	3.2	3
6	Automatic differentiation applied to excitations with projected entangled pair states. SciPost Physics, 2022, 12, .	4.9	16
7	Quantum Monte Carlo simulations in the trimer basis: first-order transitions and thermal critical points in frustrated trilayer magnets. SciPost Physics, 2022, 12, .	4.9	12
8	Simulation of many-body localization and time crystals in two dimensions with the neighborhood tensor update. Physical Review B, 2022, 105, .	3.2	6
9	Quantum criticality and spin liquid phase in the Shastry-Sutherland model. Physical Review B, 2022, 105, .	3.2	24
10	Quantum Monte Carlo simulations of highly frustrated magnets in a cluster basis: The two-dimensional Shastry-Sutherland model. Journal of Physics: Conference Series, 2022, 2207, 012032.	0.4	1
11	Strain-tunable metamagnetic critical endpoint in Mott insulating rare-earth titanates. Physical Review B, 2022, 105, .	3.2	6
12	Synthesis, structure and magnetic properties of a new spin-dimer compound CaCu <sub>2</sub> (SeO <sub>3</sub> ) <sub>2</sub> . Journal of Solid State Chemistry, 2022, 310, 123039.	2.9	3
13	Thermally populated versus field-induced triplon bound states in the Shastry-Sutherland lattice SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> . Npj Quantum Materials, 2021, 6, .	5.2	2
14	Discovery of quantum phases in the Shastry-Sutherland compound SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> under extreme conditions of field and pressure. Nature Communications, 2022, 13, 2301.	12.8	23
15	Thermal Ising Transition in the Spin- $\frac{1}{2}$ Heisenberg Model. Journal of Physics: Conference Series, 2022, 2207, 012033.	7.8	7
16	Quantum Spin Liquid Phase in the Shastry-Sutherland Model Detected by an Improved Level Spectroscopic Method. Chinese Physics Letters, 2022, 39, 077502.	3.3	6
17	High-Field Calorimetric Studies on Low-Dimensional and Frustrated Quantum Magnets. Journal of the Physical Society of Japan, 2022, 91, .	1.6	3
18	Time evolution of an infinite projected entangled pair state: A gradient tensor update in the tangent space. Physical Review B, 2022, 106, .	3.2	7

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19	Magnetically Hidden State on the Ground Floor of the Magnetic Devil's Staircase. <i>Physical Review Letters</i> , 2022, 129, .	7.8	6
20	Finite-temperature tensor network study of the Hubbard model on an infinite square lattice. <i>Physical Review B</i> , 2022, 106, .	3.2	6
21	Thermal critical points from competing singlet formations in fully frustrated bilayer antiferromagnets. <i>Physical Review B</i> , 2022, 106, .	3.2	2
22	Scaling of the disorder operator at deconfined quantum criticality. <i>SciPost Physics</i> , 2022, 13, .	4.9	16
23	Phases of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet on the diamond-decorated square lattice in a magnetic field. <i>Physical Review B</i> , 2023, 107, .	3.2	3
24	Efficient Tensor Network Algorithm for Layered Systems. <i>Physical Review Letters</i> , 2023, 130, .	7.8	1
25	Confirming the high pressure phase diagram of the Shastry-Sutherland model. <i>Journal of Physics: Conference Series</i> , 2023, 2462, 012042.	0.4	0
26	Thermal first-order phase transitions, Ising critical points, and reentrance in the Ising-Heisenberg model on the diamond-decorated square lattice in a magnetic field. <i>Physical Review B</i> , 2023, 107, .	3.2	2
27	Proximate deconfined quantum critical point in $\text{SrCu}_2\text{BO}_3$ . <i>ETQq0 0 0 rgBT/Overlock</i> , 10 Tf 50	12.6	4
28	Ultrafast frustration breaking and magnetophononic driving of singlet excitations in a quantum magnet. <i>Physical Review B</i> , 2023, 107, .	3.2	0
29	Unveiling new quantum phases in the Shastry-Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$ up to the saturation magnetic field. <i>Nature Communications</i> , 2023, 14, .	12.8	6
30	Plaquette valence bond solid to antiferromagnet transition and deconfined quantum critical point of the Shastry-Sutherland model. <i>Physical Review B</i> , 2023, 107, .	3.2	1
31	Critical Point in the Curve of First-Order Magnetic Phase Transition. <i>Journal of Experimental and Theoretical Physics</i> , 2023, 136, 300-304.	0.9	0
32	Tangent Space Approach for Thermal Tensor Network Simulations of the 2D Hubbard Model. <i>Physical Review Letters</i> , 2023, 130, .	7.8	7
33	Robust Magnetism Against Pressure in Non-Superconducting Samples Prepared from Lutetium Foil and $\text{H}_2/\text{N}_2$ Gas Mixture. <i>Chinese Physics Letters</i> , 2023, 40, 097401.	3.3	3
34	Measuring energy by measuring any other observable. <i>Physical Review A</i> , 2023, 108, .	2.5	1
35	Plaquette Singlet Transition, Magnetic Barocaloric Effect, and Spin Supersolidity in the Shastry-Sutherland Model. <i>Physical Review Letters</i> , 2023, 131, .	7.8	2
36	Tensor network study of the Shastry-Sutherland model with weak interlayer coupling. <i>SciPost Physics</i> , 2023, 15, .	4.9	0

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37	Thermal pure matrix product state in two dimensions: Tracking thermal equilibrium from paramagnet down to the Kitaev honeycomb spin liquid state. <i>SciPost Physics</i> , 2023, 15, .	4.9	0
38	Magneto- and barocaloric properties of the ferro-antiferromagnetic sawtooth chain. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2024, 79, 283-288.	1.5	1
39	Haldane phases and phase diagrams of the $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle /mml:mi \rangle \langle \text{mml:mo} \rangle = \langle /mml:mo \rangle \langle \text{mml:mfrac} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle /mml:mi \rangle \langle \text{mml:mo} \rangle = \langle /mml:mo \rangle \langle \text{mml:mn} \rangle 1 \langle /mml:mn \rangle$ bilinear-biquadratic Heisenberg model on the orthogonal dimer chain. <i>Physical Review B</i> , 2023, 108, .	3.2	0
40	Magnetic field tuned anisotropic quantum phase transition in the distorted Kagome antiferromagnet $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle Nd \langle /mml:mi \rangle \langle \text{mml:mn} \rangle^3 \langle /mml:mn \rangle \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle Nd \langle /mml:mi \rangle \langle \text{mml:mn} \rangle^0 \langle /mml:mn \rangle$ . <i>Physical Review B</i> , 2023, 108, .	3.2	0
41	The minimal canonical form of a tensor network. , 2023, , .		0
42	Quantum bicritical point and phase separation in a frustrated Heisenberg ladder. <i>Physical Review B</i> , 2023, 108, .	3.2	0
43	Field-induced bound-state condensation and spin-nematic phase in $\text{SrCu}_2(\text{BO}_3)_2$ revealed by neutron scattering up to 25.9 T. <i>Nature Communications</i> , 2024, 15, .	12.8	2
44	Efficient representation of minimally entangled typical thermal states in two dimensions via projected entangled pair states. <i>Physical Review B</i> , 2024, 109, .	3.2	0
45	Magnetic and thermodynamic study of the interplay between magnetism and structure in $\text{CrOCl}$ . <i>Journal of Alloys and Compounds</i> , 2024, 982, 173845.	5.5	0
46	Generating Function for Projected Entangled-Pair States. <i>PRX Quantum</i> , 2024, 5, .	9.2	0
47	Walking with the Atoms in a Chemical Bond: A Perspective Using Quantum Phase Transition. <i>Entropy</i> , 2024, 26, 230.	2.2	0
48	Field-controlled multicritical behavior and emergent universality in fully frustrated quantum magnets. <i>Npj Quantum Materials</i> , 2024, 9, .	5.2	0
49	Circumventing superexponential runtimes for hard instances of quantum adiabatic optimization. <i>Physical Review Research</i> , 2024, 6, .	3.6	0