

Z Y Xie

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,199
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

717
citing authors

#	ARTICLE	IF	CITATIONS
1	Coarse-graining renormalization by higher-order singular value decomposition. Physical Review B, 2012, 86, .	3.2	268
2	Gapless Spin-Liquid Ground State in the $S=1$ Kagome Antiferromagnet. Physical Review Letters, 2017, 118, 137202.	7.8	242
3	Second Renormalization of Tensor-Network States. Physical Review Letters, 2009, 103, 160601.	7.8	198
4	Renormalization of tensor-network states. Physical Review B, 2010, 81, .	3.2	147
5	Tensor renormalization group study of classical XY on the square lattice. Physical Review E, 2014, 89, 013308.	6.8	68
6	Exact blocking formulas for spin and gauge models. Physical Review D, 2013, 88, .	4.7	62
7	Optimized contraction scheme for tensor-network states. Physical Review B, 2017, 96, .	3.2	34
8	Critical properties of the two-dimensional q -state clock model. Physical Review E, 2020, 101, 060105.	2.1	32
9	Progress towards quantum simulating the classical $O(2)$ model. Physical Review A, 2014, 90, .	2.5	23
10	Automatic differentiation for second renormalization of tensor networks. Physical Review B, 2020, 101, .	3.2	22
11	Reorthonormalization of Chebyshev matrix product states for dynamical correlation functions. Physical Review B, 2018, 97, .	3.2	19
12	Fine structure of the entanglement entropy in the $O(2)$ model. Physical Review E, 2016, 93, 012138.	2.1	16
13	Compressing deep neural networks by matrix product operators. Physical Review Research, 2020, 2, .	3.6	15
14	Heisenberg antiferromagnet on the Husimi lattice. Physical Review B, 2016, 93, .	3.2	14
15	Robust ferromagnetism in single-atom-thick ternary chromium carbonitride CrN_4C_2 . Applied Physics Letters, 2021, 118, .	3.3	12
16	Partial long-range order in antiferromagnetic Potts models. Physical Review B, 2014, 90, .	3.2	7
17	Cross derivative of the Gibbs free energy: A universal and efficient method for phase transitions in classical spin models. Physical Review B, 2020, 101, .	3.2	7
18	Magnetization of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet on the triangular lattice. Physical Review B, 2022, 105, .	3.2	7

#	ARTICLE	IF	CITATIONS
19	Achieving High-Temperature Ferromagnetism by Means of Magnetic Ion Dimerization in the Graphene-like Mn ₂ N ₆ C ₆ Monolayer. Journal of Physical Chemistry C, 2022, 126, 10139-10144.	3.1	7
20	Variational Corner Transfer Matrix Renormalization Group Method for Classical Statistical Models. Chinese Physics Letters, 2022, 39, 067502.	3.3	4