

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

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docs citations

20
times ranked

717
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Magnetization of the spin- $\frac{1}{2}$ Heisenberg antiferromagnet on the triangular lattice. <i>Physical Review B</i> , 2022, 105, . | | |
| 2 | Achieving High-Temperature Ferromagnetism by Means of Magnetic Ion Dimerization in the Graphene-like $\text{Mn}_2\text{N}_6\text{C}_6$ Monolayer. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10139-10144. | 3.1 | 7 |
| 3 | Variational Corner Transfer Matrix Renormalization Group Method for Classical Statistical Models. <i>Chinese Physics Letters</i> , 2022, 39, 067502. | 3.3 | 4 |
| 4 | Robust ferromagnetism in single-atom-thick ternary chromium carbonitride CrN_4C_2 . <i>Applied Physics Letters</i> , 2021, 118, . | 3.3 | 12 |
| 5 | Automatic differentiation for second renormalization of tensor networks. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 22 |
| 6 | Critical properties of the two-dimensional q -state clock model. <i>Physical Review E</i> , 2020, 101, 060105. | 2.1 | 32 |
| 7 | Cross derivative of the Gibbs free energy: A universal and efficient method for phase transitions in classical spin models. <i>Physical Review B</i> , 2020, 101, . | 3.2 | 7 |
| 8 | Compressing deep neural networks by matrix product operators. <i>Physical Review Research</i> , 2020, 2, . | 3.6 | 15 |
| 9 | Reorthonormalization of Chebyshev matrix product states for dynamical correlation functions. <i>Physical Review B</i> , 2018, 97, . | 3.2 | 19 |
| 10 | Gapless Spin-Liquid Ground State in the $S=1$ Kagome Antiferromagnet. <i>Physical Review Letters</i> , 2017, 118, 137202. | 7.8 | 242 |
| 11 | Optimized contraction scheme for tensor-network states. <i>Physical Review B</i> , 2017, 96, . | 3.2 | 34 |
| 12 | Fine structure of the entanglement entropy in the $O(2)$ model. <i>Physical Review E</i> , 2016, 93, 012138. | 2.1 | 16 |
| 13 | Heisenberg antiferromagnet on the Husimi lattice. <i>Physical Review B</i> , 2016, 93, . | 3.2 | 14 |
| 14 | Progress towards quantum simulating the classical $O(2)$ model. <i>Physical Review A</i> , 2014, 90, . | 2.5 | 23 |
| 15 | Partial long-range order in antiferromagnetic Potts models. <i>Physical Review B</i> , 2014, 90, . | 3.2 | 7 |
| 16 | Tensor renormalization group study of classical XY model on the square lattice. <i>Physical Review E</i> , 2014, 89, 013308. | 2.1 | 68 |
| 17 | Exact blocking formulas for spin and gauge models. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 62 |
| 18 | Coarse-graining renormalization by higher-order singular value decomposition. <i>Physical Review B</i> , 2012, 86, . | 3.2 | 268 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Renormalization of tensor-network states. Physical Review B, 2010, 81, . | 3.2 | 147 |
| 20 | Second Renormalization of Tensor-Network States. Physical Review Letters, 2009, 103, 160601. | 7.8 | 198 |