

# Cheng Peng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6829843/publications.pdf>

Version: 2024-02-01

15  
papers

310  
citations

1039880

9  
h-index

1199470

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gapless spin liquid and pair density wave of the Hubbard model on three-leg triangular cylinders. <i>New Journal of Physics</i> , 2021, 23, 123004.	1.2	17
2	Generative tensor network classification model for supervised machine learning. <i>Physical Review B</i> , 2020, 101, .	1.1	25
3	Tensor Network Contractions. <i>Lecture Notes in Physics</i> , 2020, , .	0.3	76
4	Tensor Network Approaches for Higher-Dimensional Quantum Lattice Models. <i>Lecture Notes in Physics</i> , 2020, , 87-97.	0.3	1
5	Two-Dimensional Tensor Networks and Contraction Algorithms. <i>Lecture Notes in Physics</i> , 2020, , 63-86.	0.3	1
6	Quantum Entanglement Simulation Inspired by Tensor Network. <i>Lecture Notes in Physics</i> , 2020, , 131-146.	0.3	0
7	Machine learning by unitary tensor network of hierarchical tree structure. <i>New Journal of Physics</i> , 2019, 21, 073059.	1.2	71
8	Efficient quantum simulation for thermodynamics of infinite-size many-body systems in arbitrary dimensions. <i>Physical Review B</i> , 2019, 99, .	1.1	14
9	Thermodynamics of spin-1/2 Kagomé Heisenberg antiferromagnet: algebraic paramagnetic liquid and finite-temperature phase diagram. <i>Science Bulletin</i> , 2018, 63, 1545-1550.	4.3	42
10	Exotic entanglement scaling of Heisenberg antiferromagnet on honeycomb lattice. <i>European Physical Journal B</i> , 2018, 91, 1.	0.6	0
11	Controlling the phase diagram of finite spin-12 chains by tuning the boundary interactions. <i>Physical Review B</i> , 2018, 98, .	1.1	2
12	Fermionic algebraic quantum spin liquid in an octa-kagome frustrated antiferromagnet. <i>Physical Review B</i> , 2017, 95, .	1.1	14
13	Octa-Kagomé Lattice Compounds Showing Quantum Critical Behaviors: Spin Gap Ground State versus Antiferromagnetic Ordering. <i>Journal of the American Chemical Society</i> , 2017, 139, 14057-14060.	6.6	18
14	Few-body systems capture many-body physics: Tensor network approach. <i>Physical Review B</i> , 2017, 96, .	1.1	20
15	Criticality in two-dimensional quantum systems: Tensor network approach. <i>Physical Review B</i> , 2017, 95, .	1.1	9