Shuo Yang

List of Publications by Year
in descending order

22 papers	689 citations	687363 13 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	717 citing authors

#	Article	IF	Citations
1	Topological flat band models with arbitrary Chern numbers. Physical Review B, 2012, 86, .	3.2	140
2	Fidelity susceptibility and long-range correlation in the Kitaev honeycomb model. Physical Review A, 2008, 78, .	2.5	116
3	Loop Optimization for Tensor Network Renormalization. Physical Review Letters, 2017, 118, 110504.	7.8	96
4	Generic Hubbard model description of semiconductor quantum-dot spin qubits. Physical Review B, 2011, 83, .	3.2	60
5	Chiral Projected Entangled-Pair State with Topological Order. Physical Review Letters, 2015, 114, 106803.	7.8	38
6	Hubbard model description of silicon spin qubits: Charge stability diagram and tunnel coupling in Si double quantum dots. Physical Review B, 2011, 83, .	3.2	37
7	Observable topological effects in molecular devices with MÃ¶bius topology. Physical Review B, 2009, 79, .	3.2	34
8	Topology and criticality in the resonating Affleck-Kennedy-Lieb-Tasaki loop spin liquid states. Physical Review B, 2014, 89, .	3.2	32
9	Criticality in translation-invariant parafermion chains. Physical Review B, 2015, 91, .	3.2	32
10	Quantum theory of the charge-stability diagram of semiconductor double-quantum-dot systems. Physical Review B, 2011, 84, .	3.2	22
11	Quantum phases of disordered flatband lattice fractional quantum Hall systems. Physical Review B, 2012, 85, .	3.2	18
12	Construction and classification of point-group symmetry-protected topological phases in two-dimensional interacting fermionic systems. Physical Review B, 2020, 101, .	3.2	15
13	Quantum Transport of Rydberg Excitons with Synthetic Spin-Exchange Interactions. Physical Review Letters, 2019, 123, 063001.	7.8	14
14	Low-noise conditional operation of singlet-triplet coupled quantum dot qubits. Physical Review B, 2011, 84, .	3.2	12
15	Quantum dynamics of tight-binding networks coherently controlled by external fields. Frontiers of Physics in China, 2007, 2, 1-16.	1.0	9
16	Dynamic generation of entangling wave packets in XY spin system with decaying long-range couplings. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 45-55.	0.2	7
17	Predicting Quantum Many-Body Dynamics with Transferable Neural Networks*. Chinese Physics Letters, 2020, 37, 018401.	3.3	4
18	Symmetric dynamics in dissipative quantum many-body models. Physical Review A, 2021, 104, .	2.5	2

#	Article	IF	Citations
19	Effective spin models for spinor lattice gases with gauge fields. Physical Review A, 2021, 103, .	2.5	1
20	Noise-tolerant signature of ZN topological order in quantum many-body states. Physical Review B, 2019, 99, .	3.2	0
21	Loop update for infinite projected entangled-pair states in two spatial dimensions. Physical Review B, 2020, 102, .	3.2	0
22	Lattice model constructions for gapless domain walls between topological phases. Physical Review Research, 2022, 4, .	3.6	0