Tao Ying

List of Publications by Year
in descending order

29	163	1162889 8	1199470 12
papers	citations	h-index	g-index

29	29	29	177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pairing and chiral spin density wave instabilities on the honeycomb lattice: A comparative quantum Monte Carlo study. Physical Review B, 2018, 97, .	1.1	22
2	Determinant quantum Monte Carlo study of the enhancement of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-wave pairing by charge inhomogeneity. Physical Review B, 2012, 86, .	1.1	20
3	Determinant quantum Monte Carlo study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math>-wave pairing in the plaquette Hubbard hamiltonian. Physical Review B, 2014, 90, .	1.1	20
4	Spin dynamics of coupled spin ladders near quantum criticality in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>Cr</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	1.1	11
5	Rigged Model of Coupled Spin Ladders and Its Observation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mrow><mml:mn>18</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow>. Physical Review Letters, 2019, 122, 127201.	2.9	11
6	Nonequilibrium scenarios in cluster-forming quantum lattice models. Physical Review A, 2020, 101, .	1.0	10
7	Effects of Ionization and Displacement Damage in AlGaN/GaN HEMT Devices Caused by Various Heavy Ions. IEEE Transactions on Nuclear Science, 2021, 68, 1265-1271.	1.2	8
8	Quantum Monte Carlo study of honeycomb antiferromagnets under a triaxial strain. Physical Review B, 2021, 104, .	1.1	8
9	Modulation of the electronic band structure of silicene by polar two-dimensional substrates. Physical Chemistry Chemical Physics, 2020, 22, 21412-21420.	1.3	7
10	The sign problem in quantum Monte Carlo simulations of the Hubbard model in a weak interaction region. Europhysics Letters, 2019, 125, 27001.	0.7	6
11	Superconducting pairing symmetries of the Hubbard model on the honeycomb lattice with inhomogeneous hopping strength. Physical Review B, 2020, 102, .	1.1	6
12	Giant Out-of-Plane Second Harmonic Generation Susceptibility in Janus Group III Chalcogenide Monolayers. Journal of Physical Chemistry C, 2021, 125, 11285-11293.	1.5	6
13	Giant and anisotropic second harmonic generation of Vâ€“V binary phosphorene derivative with permanent dipole. Journal of Materials Chemistry C, 2021, 9, 6544-6552.	2.7	5
14	Quantum Monte Carlo study of the dominating pairing symmetry in doped honeycomb lattice*. Chinese Physics B, 2019, 28, 077401.	0.7	3
15	Giant Shift Photovoltaic Current in Group Vâ€V Binary Nanosheets. Advanced Theory and Simulations, 0, , 2100472.	1.3	3
16	Evidence for pressure induced unconventional quantum criticality in the coupled spin ladder antiferromagnet C9H18N2CuBr4. Nature Communications, 2022, 13, .	5.8	3
17	Phase stability in the two-dimensional anisotropic boson Hubbard Hamiltonian. Physical Review B, 2013, 87, .	1.1	2
18	The pairing symmetries in the two-dimensional Hubbard model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 392, 127153.	0.9	2

#	Article	IF	Citations
19	Quantum Monte Carlo study of the Hubbard model with next-nearest-neighbor hopping tâ€²: pairing and magnetism. Journal of Physics Condensed Matter, 2021, 33, 115601.	0.7	2
20	First-Principles Calculations for the Impact of Hydrogenation on the Electron Behavior and Stability of Borophene Nanosheets: Implications for Boron 2D Electronics. ACS Applied Nano Materials, 2022, 5, 1419-1425.	2.4	2
21	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math> phase shift across stripes in a charge density wave system. Physical Review B, 2022, 105, .	1.1	2
22	Unveiling 2D Ferroelectricity and Ferromagnetism Interaction in van der Waals Heterobilayers. Journal of Physical Chemistry C, 2021, 125, 27837-27843.	1.5	2
23	Charge gaps at fractional fillings in boson Hubbard ladders. Physical Review B, 2014, 89, .	1.1	1
24	Pairing in the Hubbard model on the honeycomb lattice with hopping up to the third-nearest-neighbor. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 442, 128175.	0.9	1
25	Publisher's Note: Determinant quantum Monte Carlo study ofd-wave pairing in the plaquette Hubbard hamiltonian [Phys. Rev. B90, 075121 (2014)]. Physical Review B, 2014, 90, .	1.1	0
26	Benchmark study of the SF-MI phase transition of the Boseâ€“Hubbard model with density-induced tunneling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 680-683.	0.9	0
27	Quantum Monte Carlo study of the hardcore bosons with finite-range interactions in one-dimensional optical lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 385, 126961.	0.9	0
28	Enhanced d-wave pairing in the two-dimensional Hubbard model with periodically modulated hopping amplitudes. Journal of Physics Condensed Matter, 2022, 34, 375501.	0.7	0
29	Effect of hopping anisotropy on the d-wave pairing in the Hubbard model: From two-leg ladder to square lattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 447, 128316.	0.9	0