

Ya-Hui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,682
citations

567281

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642732

23
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docs citations

23
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit-driven ferromagnetism at half moiré filling in magic-angle twisted bilayer graphene. Science, 2022, 375, 437-441.	12.6	61
2	Electronic spectra with paramagnon fractionalization in the single-band Hubbard model. Physical Review B, 2022, 105, .	3.2	7
3	Spectroscopy signatures of electron correlations in a trilayer graphene/hBN moiré superlattice. Science, 2022, 375, 1295-1299.	12.6	30
4	Strong interlayer interactions in bilayer and trilayer moiré superlattices. Science Advances, 2022, 8, eabk1911.	10.3	9
5	Pair-density-wave superconductor from doping Haldane chain and rung-singlet ladder. Physical Review B, 2022, 106, .	3.2	4
6	Electrically tunable correlated and topological states in twisted monolayer-bilayer graphene. Nature Physics, 2021, 17, 374-380.	16.7	173
7	Fractional Fermi liquid in a generalized $t\hat{J}$ model. Physical Review B, 2021, 103, .	3.2	2
8	Small to large Fermi surface transition in a single-band model using randomly coupled ancillas. Physical Review B, 2021, 103, .	3.2	8
9	Competing correlated states and abundant orbital magnetism in twisted monolayer-bilayer graphene. Nature Communications, 2021, 12, 4727.	12.8	37
10	SU(4) Chiral Spin Liquid, Exciton Supersolid, and Electric Detection in Moiré Bilayers. Physical Review Letters, 2021, 127, 247701.	7.8	39
11	Deconfined criticality and ghost Fermi surfaces at the onset of antiferromagnetism in a metal. Physical Review B, 2020, 102, .	3.2	22
12	Quantum Hall spin liquids and their possible realization in moiré systems. Physical Review B, 2020, 102, .	3.2	10
13	Ferromagnetism in Narrow Bands of Moiré Superlattices. Physical Review Letters, 2020, 124, 187601.	7.8	123
14	Spin liquids and pseudogap metals in the SU(4) Hubbard model in a moiré superlattice. Physical Review B, 2020, 101, .	3.2	13
15	Tunable correlated Chern insulator and ferromagnetism in a moiré superlattice. Nature, 2020, 579, 56-61.	27.8	425
16	Type-II $t\hat{J}$ model in superconducting nickelate NdNiO_2 . Physical Review Research, 2020, 2, .	3.6	73
17	From the pseudogap metal to the Fermi liquid using ancilla qubits. Physical Review Research, 2020, 2, .	3.6	31
18	Landau level degeneracy in twisted bilayer graphene: Role of symmetry breaking. Physical Review B, 2019, 100, .	3.2	46

#	ARTICLE	IF	CITATIONS
19	Bridging Hubbard model physics and quantum Hall physics in trilayer $\text{graphene}/\text{moiré}/\text{superlattice}$. Physical Review B, 2019, 99, .	3.2	17
20	Nearly flat Chern bands in $\text{moiré}/\text{superlattices}$. Physical Review B, 2019, 99, .	3.2	295
21	Twisted bilayer graphene aligned with hexagonal boron nitride: Anomalous Hall effect and a lattice model. Physical Review Research, 2019, 1, .	3.6	146
22	Pair-density waves, charge-density waves, and vortices in high- T_c cuprates . Physical Review B, 2018, 97, .	3.2	53