

Yi Li

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

843
citations

567144

15
h-index

526166

27
g-index

28
all docs

28
docs citations

28
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional states of bosons with the synthetic spin-orbit coupling. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 134001.	0.6	155
2	Honeycomb lattice with multiorbital structure: Topological and quantum anomalous Hall insulators with large gaps. Physical Review B, 2014, 90, .	1.1	105
3	Majorana Positivity and the Fermion Sign Problem of Quantum Monte Carlo Simulations. Physical Review Letters, 2016, 116, 250601.	2.9	74
4	Topological Nodal Cooper Pairing in Doped Weyl Metals. Physical Review Letters, 2018, 120, 067003.	2.9	68
5	Competing Orders in the 2D Half-Filled $SU(2) \times N$ Fermions: High-Partial-Wave Channel Counterpart of the Quantum Monte Carlo Simulations. Physical Review Letters, 2014, 112, 156403.	1.1	40
6	Two- and three-dimensional topological insulators with isotropic and parity-breaking Landau levels. Physical Review B, 2012, 85, .	2.9	36
7	Topological Superconductivity in $SU(2) \times N$ Fermions: Exact Results for Itinerant Ferromagnetism in Multiorbital Systems on Square and Cubic Lattices. Physical Review Letters, 2014, 112, .	2.9	35
8	High-Dimensional Topological Insulators with Quaternionic Analytic Landau Levels. Physical Review Letters, 2013, 110, 216802.	2.9	34
9	Topological Insulators with $SU(2)$ Landau Levels. Physical Review Letters, 2013, 111, 186803.	2.9	32
10	Magnetic Field Enhanced Superconductivity in Epitaxial Thin Film WTe_2 . Scientific Reports, 2018, 8, 6520.	1.6	31
11	Spontaneous breaking of time-reversal symmetry in the orbital channel for the boundary Majorana flat bands. New Journal of Physics, 2013, 15, 085002.	1.2	24
12	The J-triplet Cooper pairing with magnetic dipolar interactions. Scientific Reports, 2012, 2, 392.	1.6	23
13	Isotropic Landau levels of Dirac fermions in high dimensions. Physical Review B, 2012, 85, .	1.1	21
14	Three-dimensional quaternionic condensations, Hopf invariants, and skyrmion lattices with synthetic spin-orbit coupling. Physical Review A, 2016, 93, .	1.0	18
15	Spin-orbit coupled Fermi liquid theory of ultracold magnetic dipolar fermions. Physical Review B, 2012, 85, .	1.1	15
16	Exact results on itinerant ferromagnetism and the 15-puzzle problem. Physical Review B, 2018, 98, .	1.1	15
17	Counterrotating magnetic order in the honeycomb layers of $NaNi_2O_2$. Physical Review B, 2019, 100, .		

#	ARTICLE	IF	CITATIONS
19	Time-reversal invariant $SU(2)$ problem in three-dimensional lattices. Physical Review B, 2015, 91, .		
20	Sign-Problem-Free Quantum Monte Carlo Study on Thermodynamic Properties and Magnetic Phase Transitions in Orbital-Active Itinerant Ferromagnets. Physical Review X, 2015, 5, .	2.8	10
21	Unconventional symmetries of Fermi liquid and Cooper pairing properties with electric and magnetic dipolar fermions. Journal of Physics Condensed Matter, 2014, 26, 493203.	0.7	9
22	Current in a spin-orbit-coupling system. Physical Review B, 2007, 75, .	1.1	8
23	Monopole charge density wave states in Weyl semimetals. Physical Review Research, 2020, 2, .	1.3	8
24	Exact results for itinerant ferromagnetism in a $2d$ system on cubic and square lattices. Physical Review B, 2015, 91, .		
25	Anyons emerging from fermions with conventional two-body interactions. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 105306.	0.7	2
26	Stability of the Nagaoka-type ferromagnetic state in a $2d$ orbital system on a cubic lattice. Physical Review B, 2018, 97, .		
27	Ferromagnetic percolation transition in a multiorbital flat band assisted by Hund's coupling. Physical Review B, 2021, 104, .	1.1	1
28	Extra current and integer quantum Hall conductance in the spin-orbit coupling system. Europhysics Letters, 2008, 83, 27002.	0.7	0