

Hoi-Yin Hui

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

666
citations

777949

13
h-index

721071

23
g-index

24
all docs

24
docs citations

24
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux-driven quantum spin liquids in kagome optical lattices. Physical Review A, 2019, 100, .	1.0	0
2	Quantum anomalous Hall state from spatially decaying interactions on the decorated honeycomb lattice. Physical Review B, 2018, 97, .	1.1	13
3	Correlated spin-flip tunneling in a Fermi lattice gas. Physical Review A, 2018, 98, .	1.0	12
4	Chiral topological phases in optical lattices without synthetic fields. Physical Review A, 2018, 98, .	1.0	6
5	$\delta\epsilon$ -periodic dissipationless ac Josephson effect on a quantum spin Hall edge via a quantum magnetic impurity. Physical Review B, 2017, 95, .	1.1	9
6	Superfluidity in the absence of kinetics in spin-orbit-coupled optical lattices. Physical Review A, 2017, 95, .	1.0	8
7	Dynamics of disordered states in the Bose-Hubbard model with confinement. Physical Review A, 2017, 95, .	1.0	13
8	Equilibration Dynamics of Strongly Interacting Bosons in 2D Lattices with Disorder. Physical Review Letters, 2017, 119, 073002.	2.9	22
9	Spin-orbit-driven transitions between Mott insulators and finite-momentum superfluids of bosons in optical lattices. Physical Review A, 2017, 96, .	1.0	5
10	Bulk disorder in the superconductor affects proximity-induced topological superconductivity. Physical Review B, 2015, 92, .	1.1	42
11	Topological Yu-Shiba-Rusinov chain from spin-orbit coupling. Physical Review B, 2015, 91, .	1.1	108
12	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. Scientific Reports, 2015, 5, 8880.	1.6	64
13	Substrate-induced Majorana renormalization in topological nanowires. New Journal of Physics, 2015, 17, 075001.	1.2	13
14	Proximity-induced superconductivity and Josephson critical current in quantum spin Hall systems. Physical Review B, 2014, 90, .	1.1	23
15	Robust two-qubit gates for exchange-coupled qubits. Physical Review B, 2014, 89, .	1.1	21
16	Disorder-induced subgap states and Majorana zero-energy edge modes in two-dimensional topological insulator-superconductor hybrid structures. Physical Review B, 2014, 90, .	1.1	8
17	Generalized Eilenberger theory for Majorana zero-mode-carrying disordered p -wave superconductors. Physical Review B, 2014, 90, .	1.1	19
18	Odd-parity superconductivity from phonon-mediated pairing: Application to $Cu_xBi_{2-2x}Se_3$. Physical Review B, 2014, 90, .	1.1	74

#	ARTICLE	IF	CITATIONS
19	Soft Superconducting Gap in Semiconductor Majorana Nanowires. Physical Review Letters, 2013, 110, 186803.	2.9	118
20	Loop-structure stability of a double-well-lattice Bose-Einstein condensate. Physical Review A, 2012, 86, .	1.0	14
21	Avoidance of Majorana Resonances in Periodic Topological Superconductor-Nanowire Structures. Physical Review Letters, 2012, 108, 067001.	2.9	29
22	Instabilities of bosonic spin currents in optical lattices. Physical Review A, 2011, 84, .	1.0	5
23	Quantum rotor theory of spinor condensates in tight traps. Physical Review A, 2011, 83, .	1.0	13
24	Proposal for geometric generation of a biexciton in a quantum dot using a chirped pulse. Physical Review B, 2008, 78, .	1.1	27