

Hoi-Yin Hui

List of Publications by Year in descending order

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687363

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24
times ranked

842
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Superconducting Gap in Semiconductor Majorana Nanowires. Physical Review Letters, 2013, 110, 186803.	7.8	118
2	Topological Yu-Shiba-Rusinov chain from spin-orbit coupling. Physical Review B, 2015, 91, . Odd-parity superconductivity from phonon-mediated pairing: Application to	3.2	108
3	$\text{Cu}_x\text{Bi}_2\text{Se}_3$. Physical Review B, 2014, 90, .	3.2	74
4	Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. Scientific Reports, 2015, 5, 8880.	3.3	64
5	Bulk disorder in the superconductor affects proximity-induced topological superconductivity. Physical Review B, 2015, 92, .	3.2	42
6	Avoidance of Majorana Resonances in Periodic Topological Superconductor-Nanowire Structures. Physical Review Letters, 2012, 108, 067001.	7.8	29
7	Proposal for geometric generation of a biexciton in a quantum dot using a chirped pulse. Physical Review B, 2008, 78, .	3.2	27
8	Proximity-induced superconductivity and Josephson critical current in quantum spin Hall systems. Physical Review B, 2014, 90, .	3.2	23
9	Equilibration Dynamics of Strongly Interacting Bosons in 2D Lattices with Disorder. Physical Review Letters, 2017, 119, 073002.	7.8	22
10	Robust two-qubit gates for exchange-coupled qubits. Physical Review B, 2014, 89, .	3.2	21
11	Generalized Eilenberger theory for Majorana zero-mode-carrying disordered p -wave superconductors. Physical Review B, 2014, 90, .	3.2	19
12	Loop-structure stability of a double-well-lattice Bose-Einstein condensate. Physical Review A, 2012, 86, .	2.5	14
13	Quantum rotor theory of spinor condensates in tight traps. Physical Review A, 2011, 83, .	2.5	13
14	Substrate-induced Majorana renormalization in topological nanowires. New Journal of Physics, 2015, 17, 075001.	2.9	13
15	Dynamics of disordered states in the Bose-Hubbard model with confinement. Physical Review A, 2017, 95, .	2.5	13
16	Quantum anomalous Hall state from spatially decaying interactions on the decorated honeycomb lattice. Physical Review B, 2018, 97, .	3.2	13
17	Correlated spin-flip tunneling in a Fermi lattice gas. Physical Review A, 2018, 98, .	2.5	12
18	$\delta\mathcal{E}$ -periodic dissipationless ac Josephson effect on a quantum spin Hall edge via a quantum magnetic impurity. Physical Review B, 2017, 95, .	3.2	9

#	ARTICLE	IF	CITATIONS
19	Disorder-induced subgap states and Majorana zero-energy edge modes in two-dimensional topological insulator-superconductor hybrid structures. <i>Physical Review B</i> , 2014, 90, .	3.2	8
20	Superfluidity in the absence of kinetics in spin-orbit-coupled optical lattices. <i>Physical Review A</i> , 2017, 95, .	2.5	8
21	Chiral topological phases in optical lattices without synthetic fields. <i>Physical Review A</i> , 2018, 98, .	2.5	6
22	Instabilities of bosonic spin currents in optical lattices. <i>Physical Review A</i> , 2011, 84, .	2.5	5
23	Spin-orbit-driven transitions between Mott insulators and finite-momentum superfluids of bosons in optical lattices. <i>Physical Review A</i> , 2017, 96, .	2.5	5
24	Flux-driven quantum spin liquids in kagome optical lattices. <i>Physical Review A</i> , 2019, 100, .	2.5	0