

Kuei Sun

List of Publications by Year in descending order

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27
papers

629
citations

471509

17
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix product ansatz for Fermi fields in one dimension. <i>Physical Review B</i> , 2015, 91, .	3.2	57
2	Interacting spin-orbit-coupled spin-1 Bose-Einstein condensates. <i>Physical Review A</i> , 2016, 93, .	2.5	56
3	Spin-orbital-angular-momentum coupling in Bose-Einstein condensates. <i>Physical Review A</i> , 2015, 91, .	2.5	53
4	Quantum phases of Bose-Einstein condensates with synthetic spin-orbital-angular-momentum coupling. <i>Physical Review A</i> , 2015, 91, .	2.5	38
5	Static and dynamic properties of shell-shaped condensates. <i>Physical Review A</i> , 2018, 98, .	2.5	35
6	Multiple signatures of topological transitions for interacting fermions in chain lattices. <i>Physical Review B</i> , 2015, 92, .	3.2	34
7	Spin-Tensor-Momentum-Coupled Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2017, 119, 193001.	7.8	34
8	Oscillatory pairing amplitude and magnetic compressible-incompressible transitions in imbalanced fermionic superfluids in optical lattices of elongated tubes. <i>Physical Review A</i> , 2012, 85, .	2.5	29
9	Pair tunneling, phase separation, and dimensional crossover in imbalanced fermionic superfluids in a coupled array of tubes. <i>Physical Review A</i> , 2013, 87, .	2.5	29
10	Vortex-antivortex physics in shell-shaped Bose-Einstein condensates. <i>Physical Review A</i> , 2020, 102, .	2.5	29
11	Physics of hollow Bose-Einstein condensates. <i>Europhysics Letters</i> , 2017, 120, 20004.	2.0	28
12	General framework for transport in spin-orbit-coupled superconducting heterostructures: Nonuniform spin-orbit coupling and spin-orbit-active interfaces. <i>Physical Review B</i> , 2015, 91, .	3.2	27
13	Experimental realization of a long-lived striped Bose-Einstein condensate induced by momentum-space hopping. <i>Physical Review A</i> , 2019, 99, .	2.5	27
14	Tuning between singlet, triplet, and mixed pairing states in an extended Hubbard chain. <i>Physical Review B</i> , 2014, 89, .	3.2	26
15	Momentum-Space Josephson Effects. <i>Physical Review Letters</i> , 2018, 120, 120401.	7.8	24
16	Superfluid-Quasicrystal in a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2018, 120, 060407.	7.8	22
17	Probing condensate order in deep optical lattices. <i>Physical Review A</i> , 2009, 79, .	2.5	18
18	Anomalous polarization-dependent transport in nanoscale double-barrier superconductor/ferromagnet/superconductor junctions. <i>Physical Review B</i> , 2012, 85, .	3.2	17

#	ARTICLE	IF	CITATIONS
19	Oscillatory pairing of fermions in spin-split traps. <i>Physical Review A</i> , 2011, 83, .	2.5	13
20	Transport in multiterminal superconductor/ferromagnet junctions having spin-dependent interfaces. <i>Physical Review B</i> , 2013, 87, .	3.2	12
21	Adiabatically tuning quantized supercurrents in an annular Bose-Einstein condensate. <i>Physical Review A</i> , 2017, 96, .	2.5	9
22	Engineering of many-body Majorana states in a topological insulator/s-wave superconductor heterostructure. <i>Scientific Reports</i> , 2017, 7, 3499.	3.3	5
23	Bose-Hubbard model with occupation-parity couplings. <i>Physical Review B</i> , 2014, 89, .	3.2	3
24	On the new Continuous Matrix Product Ansatz. <i>Journal of Physics: Conference Series</i> , 2016, 702, 012004.	0.4	2
25	Time-reversal-invariant spin-orbit-coupled bilayer Bose-Einstein condensates. <i>Physical Review A</i> , 2018, 97, .	2.5	2
26	Momentum space Aharonov-Bohm interferometry in Rashba spin-orbit coupled Bose-Einstein condensates. <i>Europhysics Letters</i> , 2018, 123, 10005.	2.0	0
27	Charge transport spectra in superconductor-InAs/GaSb-superconductor heterostructures. <i>Nanotechnology</i> , 2022, 33, 085703.	2.6	0