

Huaiming Guo

List of Publications by Year in descending order

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42
papers

650
citations

759190

12
h-index

580810

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42
docs citations

42
times ranked

507
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Monte Carlo study of topological phases on a spin analogue of Benalcazarâ€“Bernevigâ€“Hughes model. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 035603.	1.8	7
2	Enhancement of superconductivity by electronic nematicity in cuprate superconductors. <i>Philosophical Magazine</i> , 2022, 102, 918-962.	1.6	3
3	Superconducting pairing symmetry in the kagome-lattice Hubbard model. <i>Physical Review B</i> , 2022, 105, .	3.2	14
4	Quantum phase transitions of interacting bosons on hyperbolic lattices. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 335602.	1.8	18
5	Magnon Landau levels in the strained antiferromagnetic honeycomb nanoribbons. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
6	Characteristic energy of the nematic-order state and its connection to enhancement of superconductivity in cuprate superconductors. <i>Physical Review B</i> , 2021, 104, .	3.2	3
7	Charge density waves on a half-filled decorated honeycomb lattice. <i>Physical Review B</i> , 2020, 101, .	3.2	16
8	Hard-core bosonic domain walls on a honeycomb lattice. <i>Physical Review A</i> , 2020, 101, .	2.5	1
9	Self-organized bosonic domain walls. <i>Physical Review Research</i> , 2020, 2, .	3.6	2
10	Quantum magnetism of topologically-designed graphene nanoribbons. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 505601.	1.8	3
11	Unconventional pairing symmetry of interacting Dirac fermions on a $\tilde{\Gamma}$ -flux lattice. <i>Physical Review B</i> , 2018, 97, .	3.2	13
12	Topological bosonic states on ribbons of a honeycomb lattice. <i>Physical Review A</i> , 2018, 98, .	2.5	2
13	Pairing symmetry of interacting fermions on a twisted bilayer graphene superlattice. <i>Physical Review B</i> , 2018, 97, .	3.2	141
14	A specific mapping between topological superconductors and topological insulators. <i>Europhysics Letters</i> , 2017, 118, 61002.	2.0	0
15	Topological superconductors from one-dimensional periodically modulated Majorana chains. <i>Scientific Reports</i> , 2017, 7, 9210.	3.3	5
16	Bosonic edge states in gapped honeycomb lattices. <i>Physical Review B</i> , 2016, 93, .	3.2	9
17	Fractional topological states in quantum spin chains with periodical modulation. <i>Physical Review B</i> , 2016, 93, .	3.2	9
18	Quantum pumping induced by disorder in one dimension. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2317-2321.	2.1	9

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19	Characterization of symmetry-protected topological phases in polymerized models by trajectories of Majorana stars. <i>Physical Review B</i> , 2015, 91, .	3.2	24
20	Complete phase diagram and topological properties of interacting bosons in one-dimensional superlattices. <i>Physical Review B</i> , 2015, 91, .	3.2	15
21	Kaleidoscope of symmetry-protected topological phases in one-dimensional periodically modulated lattices. <i>Physical Review B</i> , 2015, 91, .	3.2	42
22	Magnetic properties of spin-1/2 Fermi gases with ferromagnetic interaction. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	1
23	Dimerization, trimerization and quantum pumping. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1316-1320.	2.1	7
24	Interaction-driven phases in a Dirac semimetal: exact diagonalization results. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 475601.	1.8	10
25	One-dimensional interacting topological insulator. <i>Journal of the Korean Physical Society</i> , 2013, 63, 387-389.	0.7	0
26	EFFECT OF INTERACTION IN ONE-DIMENSIONAL TOPOLOGICAL INSULATOR. <i>International Journal of Modern Physics B</i> , 2013, 27, 1361001.	2.0	0
27	Effect of dominant three-body interaction to the hard-core boson Hubbard model on a two-dimensional square lattice. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 175303.	1.5	1
28	Fractional topological phase in one-dimensional flat bands with nontrivial topology. <i>Physical Review B</i> , 2012, 86, .	3.2	37
29	Topological phase in a one-dimensional interacting fermion system. <i>Physical Review B</i> , 2011, 84, .	3.2	53
30	Electronic structure of iron pnictides. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S516-S517.	1.2	0
31	Magnetic field induced incommensurate resonance in cuprate superconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 216-221.	2.3	2
32	Doping and energy dependent microwave conductivity of kinetic energy driven superconductors with extended impurities. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 1078-1084.	1.2	12
33	ELECTRONIC STRUCTURE OF KINETIC ENERGY DRIVEN CUPRATE SUPERCONDUCTORS. <i>International Journal of Modern Physics B</i> , 2008, 22, 3757-3811.	2.0	37
34	QUASIPARTICLE SPECTRAL WEIGHT OF KINETIC ENERGY DRIVEN D-WAVE SUPERCONDUCTORS. <i>International Journal of Modern Physics B</i> , 2007, 21, 3108-3111.	2.0	0
35	Electronic structure of kinetic energy driven superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 361, 382-390.	2.1	39
36	Electronic structure of the electron-doped cuprate superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 137-144.	2.1	6

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37	Magnetic nature of superconductivity in doped cuprates. Physica C: Superconductivity and Its Applications, 2006, 436, 14-24.	1.2	77
38	Asymmetry of the electron spectrum in hole-doped and electron-doped cuprates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 473-480.	2.1	12
39	Doping dependence of charge dynamics in electron-doped cuprates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 337, 61-68.	2.1	2
40	CHARGE TRANSPORT IN ELECTRON-DOPED CUPRATES. International Journal of Modern Physics B, 2005, 19, 59-61.	2.0	1
41	INTERPLAY BETWEEN SINGLE PARTICLE COHERENCE AND KINETIC ENERGY DRIVEN SUPERCONDUCTIVITY IN DOPED CUPRATES. Modern Physics Letters B, 2004, 18, 895-907.	1.9	9
42	Renormalization of Dispersion in Electron-Doped Bilayer Cuprate Superconductors. Journal of Low Temperature Physics, 0, , 1.	1.4	0