

Da Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

529
citations

11
h-index

23
g-index

31
ext. papers

615
ext. citations

3.7
avg, IF

3.73
L-index

#	Paper	IF	Citations
29	Anisotropic Scattering Caused by Apical Oxygen Vacancies in Thin Films of Overdoped High-Temperature Cuprate Superconductors.. <i>Physical Review Letters</i> , 2022 , 128, 137001	7.4	0
28	Anomalous isotope effect in BCS superconductors with two boson modes. <i>New Journal of Physics</i> , 2021 , 23, 053006	2.9	0
27	Reducing autocorrelation time in determinant quantum Monte Carlo using the Wang-Landau algorithm: Application to the Holstein model. <i>Physical Review E</i> , 2021 , 104, 025305	2.4	0
26	Critical exponents of the nonlinear sigma model on a Grassmann manifold $U(N)/U(m)U(N\bar{m})$ by the $1/N$ -expansion. <i>Physical Review B</i> , 2019 , 99,	3.3	2
25	Spin-triplet f-wave pairing in twisted bilayer graphene near 14-filling. <i>Physical Review B</i> , 2019 , 99,	3.3	39
24	Slater and Mott insulating states in the $SU(6)$ Hubbard model. <i>Physical Review B</i> , 2019 , 100,	3.3	1
23	Chiral and helical p-wave superconductivity in doped bilayer BiH. <i>Physical Review B</i> , 2018 , 98,	3.3	1
22	Entanglement in a second-order topological insulator on a square lattice. <i>Europhysics Letters</i> , 2018 , 124, 50005	1.6	5
21	Generalized Drude model and electromagnetic screening in metals and superconductors. <i>Chinese Physics B</i> , 2018 , 27, 057401	1.2	1
20	Finite-temperature valence-bond-solid transitions and thermodynamic properties of interacting $SU(2N)$ Dirac fermions. <i>Physical Review B</i> , 2017 , 95,	3.3	10
19	Mott insulating states and quantum phase transitions of correlated $SU(2N)$ Dirac fermions. <i>Physical Review B</i> , 2016 , 93,	3.3	43
18	Quantum impurities in channel mixing baths. <i>Physical Review B</i> , 2016 , 93,	3.3	5
17	Detecting edge degeneracy in interacting topological insulators through entanglement entropy. <i>Physical Review B</i> , 2015 , 91,	3.3	18
16	t_{2g} -orbital model on a honeycomb lattice: Application to the antiferromagnet $SrRu_2O_6$. <i>Physical Review B</i> , 2015 , 92,	3.3	10
15	Phonon enhancement of electronic order and negative isotope effect in the Hubbard-Holstein model on a square lattice. <i>Physical Review B</i> , 2015 , 92,	3.3	10
14	Competing orders in the 2D half-filled $SU(2N)$ Hubbard model through the pinning-field quantum Monte Carlo simulations. <i>Physical Review Letters</i> , 2014 , 112, 156403	7.4	32
13	Fate and remnants of Majorana zero modes in a quantum wire array. <i>Physical Review B</i> , 2014 , 89,	3.3	25

12	Superconducting pairing symmetry in frustrating t-J model: Electronic Raman absorption. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	
11	Spontaneous breaking of time-reversal symmetry in the orbital channel for the boundary Majorana flat bands. <i>New Journal of Physics</i> , 2013 , 15, 085002	2.9	19
10	The Finite Temperature Effect on Josephson Junction between an s-Wave Superconductor and an s _x -Wave Superconductor. <i>Chinese Physics Letters</i> , 2013 , 30, 077404	1.8	11
9	Electronic Raman spectra in superconducting graphene: A probe of the pairing symmetry. <i>Physical Review B</i> , 2013 , 88,	3.3	5
8	High-temperature superconductivity at the FeSe/SrTiO ₃ interface. <i>Physical Review B</i> , 2012 , 86,	3.3	112
7	Electronic structure of three-dimensional topological insulators: thickness dependence and warping effect. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	1
6	Observation of ordered vortices with Andreev bound states in Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Nature Physics</i> , 2011 , 7, 325-331	16.2	96
5	Electronic Raman spectra in iron-based superconductors with two-orbital model. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 453-457	1.3	3
4	Finite-temperature Gutzwiller projection for strongly correlated electron systems. <i>Physical Review B</i> , 2010 , 82,	3.3	20
3	Electronic structure near an impurity and terrace on the surface of a three-dimensional topological insulator. <i>Physical Review B</i> , 2010 , 81,	3.3	32
2	Electronic structure around a vortex core in iron pnictide superconductors. <i>Physical Review B</i> , 2010 , 82,	3.3	11
1	Model for determining the pairing symmetry and relative sign of the energy gap of iron-arsenide superconductors using tunneling spectroscopy. <i>Physical Review Letters</i> , 2009 , 102, 197004	7.4	17