

Gang Li

List of Publications by Year in descending order

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69
papers

3,937
citations

172207

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118652

62
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70
all docs

70
docs citations

70
times ranked

5452
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonsymmorphic symmetry-protected band crossings in a square-net metal PtPb ₄ . Npj Quantum Materials, 2022, 7, .	1.8	10
2	Quantum Oscillations in Noncentrosymmetric Weyl Semimetal SmAlSi. Chinese Physics Letters, 2022, 39, 047501.	1.3	12
3	Effective lifting of the topological protection of quantum spin Hall edge states by edge coupling. Nature Communications, 2022, 13, .	5.8	13
4	Ultrafast Momentum-Resolved Hot Electron Dynamics in the Two-Dimensional Topological Insulator Bismuthene. Nano Letters, 2022, 22, 5420-5426.	4.5	9
5	Dual topological states in the layered titanium-based oxynictide superconductor BaTi ₂ Sb ₂ O. Npj Quantum Materials, 2022, 7, .	1.8	3
6	Electron-plasmon interaction induced plasmonic-polaron band replication in epitaxial perovskite SrIrO ₃ films. Science Bulletin, 2021, 66, 433-440.	4.3	6
7	Evidence of a topological edge state in a superconducting nonsymmorphic nodal-line semimetal. Physical Review B, 2021, 103, .	1.1	10
8	Reentrant metal-insulator transition and competing magnetic interactions on a triangular lattice with second nearest-neighbor hopping. Physical Review B, 2021, 103, .	1.1	1
9	Non-ferroelectricity from semicovalent superexchange in bismuth ferrite. Physical Review B, 2021, 104, .		
10	Anomalous Hall effect in ferrimagnetic metal RMn ₆ Sn ₆ (R = Tb, Dy, Ho) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, .	1.5	29
11	Charge Density Wave Orders and Enhanced Superconductivity under Pressure in the Kagome Metal CsV ₃ Sb ₅ . Advanced Materials, 2021, 33, e2102813.	11.1	54
12	Transport anomalies in the layered compound BaPt ₄ Se ₆ . Npj Quantum Materials, 2021, 6, .	1.8	1
13	Pressure-induced superconductivity and structure phase transition in Pt ₂ HgSe ₃ . Npj Quantum Materials, 2021, 6, .	1.8	10
14	Model Hamiltonian for the Quantum Anomalous Hall State in Iron-Halogenide. Chinese Physics Letters, 2020, 37, 097301.	1.3	12
15	Possible Phason-Polaron Effect on Purely One-Dimensional Charge Order of Mo ₆ Nanowires. Physical Review X, 2020, 10, .	2.8	9
16	Publisher's Note: Triply degenerate nodal points and topological phase transitions in NaCu ₃ Te ₂ [Phys. Rev. B 96 , 241204(R) (2017)]. Physical Review B, 2020, 102, .	1.1	1
17	Persistent surface states with diminishing gap in MnBi ₂ Te ₄ /Bi ₂ Te ₃ superlattice antiferromagnetic topological insulator. Science Bulletin, 2020, 65, 2086-2093.	4.3	44
18	High-frequency asymptotics of the vertex function: Diagrammatic parametrization and algorithmic implementation. Physical Review B, 2020, 102, .	1.1	53

#	ARTICLE	IF	CITATIONS
37	Electronic structures and unusually robust bandgap in an ultrahigh-mobility layered oxide semiconductor, Bi ₂ O ₂ Se. Science Advances, 2018, 4, eaat8355.	4.7	167
38	Edge State Engineering of Graphene Nanoribbons. Nano Letters, 2018, 18, 5744-5751.	4.5	49
39	Evolution of superconducting gap anisotropy in hole-doped 122 iron pnictides. Physica Status Solidi (B): Basic Research, 2017, 254, 1600350.	0.7	2
40	Topological Dirac semimetal phase in Pd and Pt oxides. Physical Review B, 2017, 95, .	1.1	26
41	Photoemission study of the electronic structure of valence band convergent SnSe. Physical Review B, 2017, 96, .	1.1	30
42	Observation of topological states residing at step edges of WTe ₂ . Nature Communications, 2017, 8, 659.	5.8	129
43	Quantum Anomalous Hall State in Ferromagnetic SrRuO ₃ (111) Bilayers. Physical Review Letters, 2017, 119, 026402.	2.9	47
44	Bismuthene on a SiC substrate: A candidate for a high-temperature quantum spin Hall material. Science, 2017, 357, 287-290.	6.0	803
45	Triply degenerate nodal points and topological phase transitions in $\text{NaCu}_3\text{Mn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2017, 96, .		
46	Topological origin of the type-II Dirac fermions in PtSe_2 . Physical Review Materials, 2017, 1, .	0.9	44
47	Efficient implementation of the parquet equations: Role of the reducible vertex function and its kernel approximation. Physical Review B, 2016, 93, .	1.1	68
48	Momentum structure of the self-energy and its parametrization for the two-dimensional Hubbard model. Physical Review B, 2016, 93, .	1.1	18
49	Atomic-Scale Mapping of Layer-by-Layer Hydrogen Etching and Passivation of SiC(0001) Substrates. Journal of Physical Chemistry C, 2016, 120, 10361-10367.	1.5	20
50	Hidden physics in the dual-fermion approach: A special case of a nonlocal expansion scheme. Physical Review B, 2015, 91, .	1.1	27
51	Interacting weak topological insulators and their transition to Dirac semimetal phases. Physical Review B, 2015, 92, .	1.1	9
52	Topological nature and the multiple Dirac cones hidden in Bismuth high-T _c superconductors. Scientific Reports, 2015, 5, 10435.	1.6	30
53	Triangular Spin-Orbit-Coupled Lattice with Strong Coulomb Correlations: Sn Atoms on a SiC(0001) Substrate. Physical Review Letters, 2015, 114, 247602.	2.9	27
54	Phase diagram of the Hubbard model on the anisotropic triangular lattice. Physical Review B, 2015, 91, .	1.1	61

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55	Phase diagram of interacting Fermi gas in spin-orbit coupled square lattices. New Journal of Physics, 2015, 17, 073036.	1.2	11
56	Two-dimensional Fermi surfaces in Kondo insulator SmB_6 . Science, 2014, 346, 1208-1212.	6.0	252
57	Competing phases of the Hubbard model on a triangular lattice: Insights from the entropy. Physical Review B, 2014, 89, .	1.1	31
58	Elemental Topological Insulator with Tunable Fermi Level: Strained Sn on $\text{InSb}(001)$. Physical Review Letters, 2013, 111, 157205.	2.9	130
59	Magnetic order in a frustrated two-dimensional atom lattice at a semiconductor surface. Nature Communications, 2013, 4, 1620.	5.8	57
60	Fluctuation-induced topological quantum phase transitions in quantum spin-Hall and anomalous-Hall insulators. Physical Review B, 2012, 86, .	1.1	67
61	Efficient treatment of the high-frequency tail of the self-energy function and its relevance for multiorbital models. Physical Review B, 2012, 85, .	1.1	2
62	Geometrical frustration and the competing phases of the $\text{Sn/Si}(111)$ systems. Physical Review B, 2011, 83, .	1.1	18
63	Quantum Monte Carlo Studies of Strongly Correlated Electron Systems. , 2010, , 503-516.		0
64	Accessing thermodynamics from dynamical cluster-embedding approaches. Physical Review B, 2009, 80, .	1.1	11
65	Efficient Perturbation Theory for Quantum Lattice Models. Physical Review Letters, 2009, 102, 206401.	2.9	105
66	Determination of the lattice susceptibility within the dual fermion method. Physical Review B, 2008, 78, .	1.1	16
67	Hubbard model on the triangular lattice using dynamical cluster approximation and dual fermion methods. Physical Review B, 2008, 78, .	1.1	42
68	Ferromagnetism in an Itinerant Electron Cluster. Communications in Theoretical Physics, 2005, 44, 188-192.	1.1	2
69	The effect of hydrogen etching on 6H-SiC studied by temperature-dependent current-voltage and atomic force microscopy. Applied Physics Letters, 2004, 85, 1547-1549.	1.5	38