

Shan Guan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

942
citations

759233

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940533

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docs citations

16
times ranked

1110
citing authors

#	ARTICLE	IF	CITATIONS
1	Type-II nodal loops: Theory and material realization. Physical Review B, 2017, 96, .	3.2	158
2	Artificial gravity field, astrophysical analogues, and topological phase transitions in strained topological semimetals. Npj Quantum Materials, 2017, 2, .	5.2	116
3	Nonsymmorphic-symmetry-protected hourglass Dirac loop, nodal line, and Dirac point in bulk and monolayer MgX_2 ($X = \text{S, Se, Te}$) Tj ETQq1 1 0.784314 rgB	3.2	72
4	Blue Phosphorene Oxide: Strain-Tunable Quantum Phase Transitions and Novel 2D Emergent Fermions. Nano Letters, 2016, 16, 6548-6554.	9.1	114
5	Tunable ferroelectricity and anisotropic electric transport in monolayer In_2Te -GeSe. Physical Review B, 2018, 97, .	3.2	72
6	Two-dimensional spin-orbit Dirac point in monolayer HfGeTe. Physical Review Materials, 2017, 1, .	2.4	70
7	Valley-Layer Coupling: A New Design Principle for Valleytronics. Physical Review Letters, 2020, 124, 037701.	7.8	69
8	Multiple unpinned Dirac points in group-Va single-layers with phosphorene structure. Npj Computational Materials, 2016, 2, .	8.7	57
9	Two-dimensional nodal-loop half-metal in monolayer MnN. Physical Review Materials, 2019, 3, .	2.4	55
10	Monolayer MgC_2 : Negative Poisson's ratio and unconventional two-dimensional emergent fermions. Physical Review Materials, 2018, 2, .	2.4	36
11	Tunable magnetism in ferroelectric In_2Se_3 by hole-doping. Applied Physics Letters, 2021, 118, .	3.3	25
12	Emergence of strong tunable linear Rashba spin-orbit coupling in two-dimensional hole gases in semiconductor quantum wells. Physical Review B, 2021, 103, .	3.2	24
13	Electrically switchable hidden spin polarization in antiferroelectric crystals. Physical Review B, 2020, 102, .	3.2	13
14	Emergent linear Rashba spin-orbit coupling offers fast manipulation of hole-spin qubits in germanium. Physical Review B, 2022, 105, .	3.2	8
15	Enhanced in-plane ferroelectricity, antiferroelectricity, and unconventional 2D emergent fermions in quadruple-layer XSbO_2 ($X = \text{Li, Na}$). Nanoscale, 2021, 13, 19172-19180.	5.6	5
16	Orientation-dependent Rashba spin-orbit coupling of two-dimensional hole gases in semiconductor quantum wells: Linear or cubic. Physical Review B, 2022, 105, .	3.2	5