

Shan-Shan Wang

List of Publications by Year in descending order

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18
papers

1,362
citations

623734

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h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

1504
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical prediction of MoN ₂ monolayer as a high capacity electrode material for metal ion batteries. Journal of Materials Chemistry A, 2016, 4, 15224-15231.	10.3	259
2	Type-II nodal loops: Theory and material realization. Physical Review B, 2017, 96, .	3.2	158
3	Strain-Induced Isostructural and Magnetic Phase Transitions in Monolayer MoN ₂ . Nano Letters, 2016, 16, 4576-4582.	9.1	129
4	Hourglass Dirac chain metal in rhenium dioxide. Nature Communications, 2017, 8, 1844.	12.8	116
5	Nonsymmorphic-symmetry-protected hourglass Dirac loop, nodal line, and Dirac point in bulk and monolayer CX_2 ($X = \text{Sb, Bi}$). Physical Review B, 2018, 97, .	3.2	115
6	Nodal loop and nodal surface states in the TiX_2 family of materials. Physical Review B, 2018, 97, .	3.2	115
7	Blue Phosphorene Oxide: Strain-Tunable Quantum Phase Transitions and Novel 2D Emergent Fermions. Nano Letters, 2016, 16, 6548-6554.	9.1	114
8	Two-dimensional spin-orbit Dirac point in monolayer HfGeTe. Physical Review Materials, 2017, 1, .	2.4	70
9	Ternary wurtzite CaAgBi materials family: A playground for essential and accidental, type-I and type-II Dirac fermions. Physical Review Materials, 2017, 1, .	2.4	59
10	Quadratic contact point semimetal: Theory and material realization. Physical Review B, 2018, 98, .	3.2	57
11	Two-dimensional nodal-loop half-metal in monolayer MnN. Physical Review Materials, 2019, 3, .	2.4	55
12	Monolayer MgC_2 : Negative Poisson's ratio and unconventional two-dimensional emergent fermions. Physical Review Materials, 2018, 2, .	2.4	36
13	Tunable anomalous Hall transport in bulk and two-dimensional $CrTe_2$: A first-principles study. Physical Review B, 2021, 103, .	3.2	24
14	Progress on topological nodal line and nodal surface. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 227101.	0.5	15
15	Two-dimensional metallic BP as anode material for lithium-ion and sodium-ion batteries with unprecedented performance. Journal of Materials Science, 2021, 56, 13763-13771.	3.7	12
16	Plasmon of Au nanorods activates metal-organic frameworks for both the hydrogen evolution reaction and oxygen evolution reaction. Nanoscale, 2020, 12, 17290-17297.	5.6	12
17	Direct visualization of irreducible ferrielectricity in crystals. Npj Quantum Materials, 2020, 5, .	5.2	9
18	Quantum spin Hall insulators and topological Rashba-splitting edge states in two-dimensional CX_3 ($X = \text{Sb, Bi}$). Physical Chemistry Chemical Physics, 2021, 23, 2134-2140.	2.8	7