

Pan Zhou

List of Publications by Year in descending order

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44
papers

919
citations

686830

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454577

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docs citations

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times ranked

1330
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Properties of Single Transition-Metal Atom Absorbed Graphdiyne and Graphyne Sheet from DFT+U Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26313-26321.	1.5	264
2	First-principles study of native point defects in Bi ₂ Se ₃ . <i>AIP Advances</i> , 2013, 3, .	0.6	73
3	Coexistence of open and closed type nodal line topological semimetals in two dimensional B ₂ C. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1206-1214.	2.7	68
4	Magnetic Exchange Coupling and Anisotropy of 3d Transition Metal Nanowires on Graphyne. <i>Scientific Reports</i> , 2014, 4, 4014.	1.6	56
5	Strain control of the electronic structures, magnetic states, and magnetic anisotropy of Fe doped single-layer MoS ₂ . <i>Computational Materials Science</i> , 2015, 110, 102-108.	1.4	51
6	Two Dimensional Antiferromagnetic Chern Insulator: NiRuCl ₆ . <i>Nano Letters</i> , 2016, 16, 6325-6330.	4.5	45
7	Si-Cmma: A silicon thin film with excellent stability and Dirac nodal loop. <i>Physical Review B</i> , 2019, 100, .	1.1	36
8	Topological dual double node-line semimetals NaAlSi(Ge) and their potential as cathode material for sodium ion batteries. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15375-15381.	2.7	34
9	Two-dimensional tricycle arsenene with a direct band gap. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8723-8729.	1.3	27
10	In-Plane Strain-Modulated Photoresponsivity of the \pm -In ₂ Se ₃ -Based Flexible Transistor. <i>ACS Applied Electronic Materials</i> , 2020, 2, 140-146.	2.0	26
11	Prediction of half-semiconductor antiferromagnets with vanishing net magnetization. <i>RSC Advances</i> , 2015, 5, 46640-46647.	1.7	21
12	New type of hybrid nodal line semimetal in Be ₂ Si. <i>New Journal of Physics</i> , 2019, 21, 033018.	1.2	20
13	Dirac Semimetals in Homogeneous Holey Carbon Nitride Monolayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6082-6089.	1.5	17
14	1T-CrO ₂ monolayer: a high-temperature Dirac half-metal for high-speed spintronics. <i>Nanoscale Advances</i> , 2021, 3, 3093-3099.	2.2	15
15	Ideal topological phononic nodal chain in K ₂ O materials class. <i>New Journal of Physics</i> , 2021, 23, 103043.	1.2	13
16	Ferrimagnetic half-metallic properties of Cr/Fe $\dot{\Gamma}$ doped MoS ₂ monolayer. <i>RSC Advances</i> , 2017, 7, 20116-20122.	1.7	12
17	Low-Energy GeP Monolayers with Natural Type-II Homojunctions for SunLight-Driven Water Splitting. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900470.	1.2	12
18	Prediction of two-dimensional BiSb with puckered structure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700051.	1.2	11

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19	Stability, electronic structures and transport properties of armchair (10, 10) BN/C nanotubes. Journal of Solid State Chemistry, 2013, 200, 294-298.	1.4	10
20	3d Transition Metal Adsorption Induced the valley-polarized Anomalous Hall Effect in Germanene. Scientific Reports, 2016, 6, 27830.	1.6	10
21	Two-dimensional semiconductors XY_2 ($X = \text{Ge, Sn}; Y = \text{As, Se}$) with promising piezoelectric properties. Computational Condensed Matter, 2017, 11, 33-39.	0.9	10
22	Strong anisotropic nodal lines in the TiBe family. Physical Chemistry Chemical Physics, 2019, 21, 8402-8407.	1.3	10
23	Three-dimensional Dirac Semimetal PbO_2 . Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700271.	1.2	9
24	Surface work function of chemically derived graphene: A first-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1760-1765.	0.9	7
25	Stable configurations and electronic structures of hydrogenated graphyne. Computational Materials Science, 2014, 91, 274-278.	1.4	7
26	Magnetic control of single transition metal doped MoS ₂ through H/F chemical decoration. Journal of Magnetism and Magnetic Materials, 2017, 422, 243-248.	1.0	7
27	First-principles prediction of two atomic-thin phosphorene allotropes with potentials for sun-light-driven water splitting. Journal of Physics Condensed Matter, 2019, 31, 075702.	0.7	7
28	Dirac Semimetal Protected by Nonsymmorphic Mirror Symmetries in TPdGraphene. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100039.	1.2	7
29	Large gap two dimensional topological insulators: the bilayer triangular lattice TIM (M = N, P, As, Sb). Journal of Materials Chemistry C, 2017, 5, 4268-4274.	2.7	6
30	Electronic structures of twist-stacked 1T-TaS ₂ bilayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2302-2308.	0.9	5
31	Hydrogen-Te antisite complex impurity (H ⁻ TeHg) in Hg _{0.75} Cd _{0.25} Te: First-principles study. Journal of Physics and Chemistry of Solids, 2013, 74, 1086-1092.	1.9	4
32	Two-dimensional ferromagnetic Chern insulator: WSe ₂ monolayer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 402, 127344.	0.9	3
33	Modulating doping and interface magnetism of epitaxial graphene on SiC(0001). Chinese Physics B, 2016, 25, 017302.	0.7	2
34	Coexistence of Weyl and Type-II Triply Degenerate Fermions in a Ternary Topological Semimetal YPtP. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900421.	1.2	2
35	A New Family of Two-dimensional Topological Materials: CdX ($X = \text{F, Cl, Br, and I}$). Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800466.	1.2	2
36	Topological Phase Transition in 2D 1T WTe_2 . Physica Status Solidi (B): Basic Research, 2020, 257, 2000010.	0.7	2

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37	Valley Polarization in Monolayer Ferromagnetic FeCl: A Firstâ€Principles Study. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000206.	1.2	2
38	Nontrivial topological states in new two-dimensional CdAs. Journal of Physics Condensed Matter, 2021, 33, 365701.	0.7	2
39	Effective Fermi level tuning of Bi2Se3 by introducing CdBi/CaBi dopant. RSC Advances, 2014, 4, 10499.	1.7	1
40	Electronic and transmission properties of magnetotunnel junctions of cobalt/iron intercalated bilayer two dimensional sheets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2661-2666.	0.9	1
41	Two dimensional topological insulators in bilayer BiB. Computational Materials Science, 2019, 160, 82-85.	1.4	1
42	Slaterâ€Koster parametrization for the phonons of monolayer MoX₂(X = S, Se or Te). Journal of Physics Condensed Matter, 2022, 34, 195702.	0.7	1
43	Intrinsic spin Hall conductivity plateau in topological semimetals with triply degenerate points. Physica B: Condensed Matter, 2022, 629, 413626.	1.3	0
44	Computational discovery of spin-polarized semimetals in spinel materials. Materials Advances, 0, , .	2.6	0