Pan Zhou

List of Publications by Year
in descending order

44 papers	919 citations	687363 13 h-index	454955 30 g-index
45 all docs	45 docs citations	45 times ranked	1330 citing authors

#	Article	IF	Citations
1	Intrinsic spin Hall conductivity plateau in topological semimetals with triply degenerate points. Physica B: Condensed Matter, 2022, 629, 413626.	2.7	0
2	Slaterâ€“Koster parametrization for the phonons of monolayer MoX₂(X = S, Se or Te). Journal of Physics Condensed Matter, 2022, 34, 195702.	1.8	1
3	Dirac Semimetals in Homogeneous Holey Carbon Nitride Monolayers. Journal of Physical Chemistry C, 2021, 125, 6082-6089.	3.1	17
4	Dirac Semimetal Protected by Nonsymmorphic Mirror Symmetries in TPHâ€Graphene. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100039.	2.4	7
5	Two-dimensional ferromagnetic Chern insulator: WSe2 monolayer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 402, 127344.	2.1	3
6	Nontrivial topological states in new two-dimensional CdAs. Journal of Physics Condensed Matter, 2021, 33, 365701.	1.8	2
7	1T-CrO₂monolayer: a high-temperature Dirac half-metal for high-speed spintronics. Nanoscale Advances, 2021, 3, 3093-3099.	4.6	15
8	Ideal topological phononic nodal chain in K₂O materials class. New Journal of Physics, 2021, 23, 103043.	2.9	13
9	In-Plane Strain-Modulated Photoresponsivity of the Î±-In₂Se₃-Based Flexible Transistor. ACS Applied Electronic Materials, 2020, 2, 140-146.	4.3	26
10	Topological Phase Transition in 2D 1Tâ€²â€WSTe. Physica Status Solidi (B): Basic Research, 2020, 257, 2000010.	1.5	2
11	Valley Polarization in Monolayer Ferromagnetic FeCl: A Firstâ€Principles Study. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000206.	2.4	2
12	Lowâ€Energy GeP Monolayers with Natural Typeâ€II Homojunctions for SunLightâ€Driven Water Splitting. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900470.	2.4	12
13	Coexistence of Weyl and Typeâ€II Triply Degenerate Fermions in a Ternary Topological Semimetal YPtP. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900421.	2.4	2
14	Si-Cmma: A silicon thin film with excellent stability and Dirac nodal loop. Physical Review B, 2019, 100, .	3.2	36
15	Electronic structures of twist-stacked 1T-TaS2 bilayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2302-2308.	2.1	5
16	Strong anisotropic nodal lines in the TiBe family. Physical Chemistry Chemical Physics, 2019, 21, 8402-8407.	2.8	10
17	New type of hybrid nodal line semimetal in Be₂Si. New Journal of Physics, 2019, 21, 033018.	2.9	20
18	Topological dual double node-line semimetals NaAlSi(Ge) and their potential as cathode material for sodium ion batteries. Journal of Materials Chemistry C, 2019, 7, 15375-15381.	5.5	34

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19	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.	1.8	7
20	A New Family of Twoâ€Dimensional Topological Materials: CdX (Xâ€‰=â€‰F, Cl, Br, and I). Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800466.	2.4	2
21	Two dimensional topological insulators in bilayer BiB. Computational Materials Science, 2019, 160, 82-85.	3.0	1
22	Coexistence of open and closed type nodal line topological semimetals in two dimensional B₂C. Journal of Materials Chemistry C, 2018, 6, 1206-1214.	5.5	68
23	Two-dimensional semiconductors XY 2 (XÂ=ÂGe,Sn;YÂ=ÂS,Se) with promising piezoelectric properties. Computational Condensed Matter, 2017, 11, 33-39.	2.1	10
24	Ferrimagnetic half-metallic properties of Cr/Fe Î´ doped MoS₂ monolayer. RSC Advances, 2017, 7, 20116-20122.	3.6	12
25	Prediction of twoâ€dimensional BiSb with puckered structure. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700051.	2.4	11
26	Large gap two dimensional topological insulators: the bilayer triangular lattice TlM (M = N, P, As, Sb). Journal of Materials Chemistry C, 2017, 5, 4268-4274.	5.5	6
27	Threeâ€Dimensional Dirac Semimetal Î²â€PbO₂. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700271.	2.4	9
28	Magnetic control of single transition metal doped MoS2 through H/F chemical decoration. Journal of Magnetism and Magnetic Materials, 2017, 422, 243-248.	2.3	7
29	Modulating doping and interface magnetism of epitaxial graphene on SiC(0001). Chinese Physics B, 2016, 25, 017302.	1.4	2
30	Two Dimensional Antiferromagnetic Chern Insulator: NiRuCl₆. Nano Letters, 2016, 16, 6325-6330.	9.1	45
31	3d Transition Metal Adsorption Induced the valley-polarized Anomalous Hall Effect in Germanene. Scientific Reports, 2016, 6, 27830.	3.3	10
32	Two-dimensional tricycle arsenene with a direct band gap. Physical Chemistry Chemical Physics, 2016, 18, 8723-8729.	2.8	27
33	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.	2.1	1
34	Prediction of half-semiconductor antiferromagnets with vanishing net magnetization. RSC Advances, 2015, 5, 46640-46647.	3.6	21
35	Strain control of the electronic structures, magnetic states, and magnetic anisotropy of Fe doped single-layer MoS2. Computational Materials Science, 2015, 110, 102-108.	3.0	51
36	Effective Fermi level tuning of Bi2Se3 by introducing CdBi/CaBi dopant. RSC Advances, 2014, 4, 10499.	3.6	1

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37	Stable configurations and electronic structures of hydrogenated graphyne. Computational Materials Science, 2014, 91, 274-278.	3.0	7
38	Magnetic Exchange Coupling and Anisotropy of 3d Transition Metal Nanowires on Graphyne. Scientific Reports, 2014, 4, 4014.	3.3	56
39	First-principles study of native point defects in Bi2Se3. AIP Advances, 2013, 3, .	1.3	73
40	Hydrogenâ€“Te antisite complex impurity (Hâ€“TeHg) in Hg0.75Cd0.25Te: First-principles study. Journal of Physics and Chemistry of Solids, 2013, 74, 1086-1092.	4.0	4
41	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.	2.1	7
42	Stability, electronic structures and transport properties of armchair (10, 10) BN/C nanotubes. Journal of Solid State Chemistry, 2013, 200, 294-298.	2.9	10
43	Magnetic Properties of Single Transition-Metal Atom Absorbed Graphdiyne and Graphyne Sheet from DFT+U Calculations. Journal of Physical Chemistry C, 2012, 116, 26313-26321.	3.1	264
44	Computational discovery of spin-polarized semimetals in spinel materials. Materials Advances, 0, , .	5.4	0