

Wu-Jun Shi

List of Publications by Year in descending order

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papers

2,677
citations

257450
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43
all docs

43
docs citations

43
times ranked

3720
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Weyl semimetal phase in a Kagomé crystal. <i>Science</i> , 2019, 365, 1282-1285.	12.6	518
2	All Magic Angles in Twisted Bilayer Graphene are Topological. <i>Physical Review Letters</i> , 2019, 123, 036401.	7.8	327
3	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn ₃ Ge and Mn ₃ Sn. <i>New Journal of Physics</i> , 2017, 19, 015008.	2.9	277
4	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. <i>Nature Communications</i> , 2018, 9, 2637.	12.8	210
5	Topological surface Fermi arcs in the magnetic Weyl semimetal $\text{Co}_{3.2}\text{Mn}_{159}$. <i>Physical Review B</i> , 2018, 97, .		
6	Surface states in bulk single crystal of topological semimetal Co ₃ Sn ₂ S ₂ toward water oxidation. <i>Science Advances</i> , 2019, 5, eaaw9867.	10.3	118
7	A charge-density-wave topological semimetal. <i>Nature Physics</i> , 2021, 17, 381-387.	16.7	76
8	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet $\text{Ti}_{3.2}\text{Mn}_{74}$. <i>Physical Review B</i> , 2018, 97, .		
9	Relation between reactivity and electronic structure for Ca_2Si_2 - and Ca_3Si_2 -dicalcium silicate: A first-principles study. <i>Cement and Concrete Research</i> , 2014, 57, 28-32.	11.0	59
10	Dirac Nodal Arc Semimetal PtSn ₄ : An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13107-13112.	13.8	59
11	<i>Ab initio</i> study on band-gap narrowing in SrTiO ₃ with Nb-C-Nb codoping. <i>Physical Review B</i> , 2011, 84, .	3.2	54
12	Charge Density Wave Orders and Enhanced Superconductivity under Pressure in the Kagome Metal CsV ₃ Sb ₅ . <i>Advanced Materials</i> , 2021, 33, e2102813.	21.0	54
13	QM/MM Modeling of Environmental Effects on Electronic Transitions of the FMO Complex. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3488-3495.	2.6	52
14	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTeI. <i>Advanced Materials</i> , 2017, 29, 1605965.	21.0	51
15	Pressure-driven superconductivity in the transition-metal pentatelluride HfTe_5 . <i>Physical Review B</i> , 2016, 94, .	3.2	46
16	Quantum spin Hall phase in Mo ₂ M ₂ C ₃ O ₂ (M = Ti, Zr). <i>J. Phys.: Condens. Matter</i> , 2015, 27, 452201.		
17	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-WS ₂ . <i>Nature Communications</i> , 2021, 12, 2874.	12.8	43
18	Magnetic exchange induced Weyl state in a semimetal EuCd ₂ Sb ₂ . <i>APL Materials</i> , 2020, 8, .	5.1	37

#	ARTICLE	IF	CITATIONS
19	Prediction of Ideal Topological Semimetals with Triply Degenerate Points in the NaCu_2 . <i>Physical Review Letters</i> , 2017, 119, 256402.	7.8	36
20	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb_2 . <i>Advanced Materials</i> , 2020, 32, e1906046.	21.0	36
21	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi_4I_4 . <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	34
22	Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC (M = Ti, Zr, Hf). <i>ETQq0 0 0 rgBT /Overlock 10 Tf</i>	4.4	31
23	Anomalous Hall effect in ferrimagnetic metal RMn_6Sn_6 (R = Tb, Dy, Ho) with clean Mn kagome lattice. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	29
24	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. <i>Nature Communications</i> , 2020, 11, 3507.	12.8	27
25	Role of Formation of Statistical Aggregates in Chlorophyll Fluorescence Concentration Quenching. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3976-3982.	2.6	22
26	Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	22
27	Converting normal insulators into topological insulators via tuning orbital levels. <i>Physical Review B</i> , 2015, 92, .	3.2	21
28	Two-dimensional rectangular tantalum carbide halides TaCX (X = Cl, Br, I): novel large-gap quantum spin Hall insulators. <i>2D Materials</i> , 2016, 3, 035018.	4.4	21
29	Synthesis and thermoelectric properties of Rashba semiconductor BiTeBr with intensive texture. <i>Rare Metals</i> , 2018, 37, 274-281.	7.1	20
30	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile IrO_3 . <i>Physical Review B</i> , 2019, 99, .	18.2	18
31	Topological Weyl semimetals in $\text{Bi}_{1-x}\text{Sb}_x$ alloys. <i>Physical Review B</i> , 2018, 97, .	11.2	17
32	Ab initio study of water adsorption on TiO_2 -terminated (100) surface of SrTiO_3 with and without Cr doping. <i>Surface Science</i> , 2010, 604, 1987-1995.	1.9	16
33	Two-dimensional pentagonal crystals and possible spin-polarized Dirac dispersion relations. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	15
34	Superconductivity in Alkaline Earth Metal-Filled Skutterudites $\text{Ba}_x\text{Ir}_4\text{X}_{12}$ (X = As, P). <i>Journal of the American Chemical Society</i> , 2017, 139, 8106-8109.	13.7	13
35	Surface charge induced Dirac band splitting in a charge density wave material NbIrTe_4 . <i>Physical Review Research</i> , 2021, 3, .	10.6	13
36	Topological Lifshitz transition of the intersurface Fermi-arc loop in NbIrTe_4 . <i>Physical Review B</i> , 2020, 102, .	12.0	12

#	ARTICLE	IF	CITATIONS
37	Nodal plane and persistent spin texture in a Weyl semimetal without mirror symmetry. Physical Review B, 2020, 101, .	3.2	4
38	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. Chinese Physics B, 2020, 29, 047401.	1.4	4
39	Large perpendicular magnetic anisotropy of single Co atom on MgO monolayer: A first-principles study. Journal of Applied Physics, 2015, 117, 17B316.	2.5	3
40	Disorder and spectral line shapes in two-level systems. Chemical Physics Letters, 2013, 582, 66-70.	2.6	1
41	Observation of nontrivial topological electronic structure of orthorhombic SnSe. Physical Review Materials, 2022, 6, .	2.4	0