

Wu-Jun Shi

List of Publications by Year in descending order

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257101

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43
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docs citations

43
times ranked

3720
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Weyl semimetal phase in a KagomÃ© crystal. <i>Science</i> , 2019, 365, 1282-1285.	6.0	518
2	All Magic Angles in Twisted Bilayer Graphene are Topological. <i>Physical Review Letters</i> , 2019, 123, 036401.	2.9	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.	1.2	277
4	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. <i>Nature Communications</i> , 2018, 9, 2637.	5.8	210
5	Topological surface Fermi arcs in the magnetic Weyl semimetal $S\text{Co}_3\text{Mn}_2$. <i>Physical Review B</i> , 2018, 97, .	1.1	159
6	Surface states in bulk single crystal of topological semimetal $\text{Co}_3\text{Sn}_2\text{S}$ toward water oxidation. <i>Science Advances</i> , 2019, 5, eaaw9867.	4.7	118
7	A charge-density-wave topological semimetal. <i>Nature Physics</i> , 2021, 17, 381-387.	6.5	76
8	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet Ti_2Mn_7 . <i>Physical Review B</i> , 2018, 97, .	1.1	74
9	Relation between reactivity and electronic structure for \hat{L} - and \hat{L}^2 -dicalcium silicate: A first-principles study. <i>Cement and Concrete Research</i> , 2014, 57, 28-32.	4.6	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.	7.2	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, .	1.1	54
12	Charge Density Wave Orders and Enhanced Superconductivity under Pressure in the Kagome Metal CsV_3Sb_5 . <i>Advanced Materials</i> , 2021, 33, e2102813.	11.1	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.	1.2	52
14	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTe . <i>Advanced Materials</i> , 2017, 29, 1605965.	11.1	51
15	Pressure-driven superconductivity in the transition-metal pentatelluride HfTe_5 . <i>Physical Review B</i> , 2016, 94, .	1.1	46
16	Quantum spin Hall phase in $\text{Mo}_2\text{M}_2\text{C}_3\text{O}_2$ ($M = \text{Ti, Zr}$). <i>ETQq</i> 0 0 0 rgBT /Overlock 45	2.9	45
17	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-WS_2 . <i>Nature Communications</i> , 2021, 12, 2874.	5.8	43
18	Magnetic exchange induced Weyl state in a semimetal EuCd_2Sb_2 . <i>APL Materials</i> , 2020, 8, .	2.2	37

#	ARTICLE	IF	CITATIONS
19	Prediction of Ideal Topological Semimetals with Triply Degenerate Points in the $\text{NaCu}_3\text{Bi}_2\text{P}_4$. Physical Review Letters, 2017, 119, 256402.	2.9	36
20	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb_2 . Advanced Materials, 2020, 32, e1906046.	11.1	36
21	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi_4I_4 . Npj Quantum Materials, 2018, 3, .	1.8	34
22	Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC ($\text{M} = \text{Ti, Zr}$). Physical Review B, 2015, 92, .	2.0	31
23	Anomalous Hall effect in ferrimagnetic metal RMn_6Sn_6 ($\text{R} = \text{Tb, Dy, Ho}$) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, .	1.5	29
24	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa . Nature Communications, 2020, 11, 3507.	5.8	27
25	Role of Formation of Statistical Aggregates in Chlorophyll Fluorescence Concentration Quenching. Journal of Physical Chemistry B, 2013, 117, 3976-3982.	1.2	22
26	Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. Npj Computational Materials, 2020, 6, .	3.5	22
27	Converting normal insulators into topological insulators via tuning orbital levels. Physical Review B, 2015, 92, .	1.1	21
28	Two-dimensional rectangular tantalum carbide halides TaCX ($\text{X} = \text{Cl, Br, I}$): novel large-gap quantum spin Hall insulators. 2D Materials, 2016, 3, 035018.	2.0	21
29	Synthesis and thermoelectric properties of Rashba semiconductor BiTeBr with intensive texture. Rare Metals, 2018, 37, 274-281.	3.6	20
30	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile IrO_2 . Physical Review B, 2019, 99, .	1.1	18
31	Topological Weyl semimetals in Bi_2Te_3 alloys. Physical Review B, 2018, 97, .	1.1	17
32	Ab initio study of water adsorption on TiO_2 -terminated (100) surface of SrTiO_3 with and without Cr doping. Surface Science, 2010, 604, 1987-1995.	0.8	16
33	Two-dimensional pentagonal crystals and possible spin-polarized Dirac dispersion relations. Journal of Applied Physics, 2014, 115, .	1.1	15
34	Superconductivity in Alkaline Earth Metal-Filled Skutterudites Ba_4X_{12} ($\text{X} = \text{As, P}$). Journal of the American Chemical Society, 2017, 139, 8106-8109.	6.6	13
35	Surface charge induced Dirac band splitting in a charge density wave material TaTe_3 . Physical Review Research, 2021, 3, .	1.1	13
36	Topological Lifshitz transition of the intersurface Fermi-arc loop in NbIrTe_4 . Physical Review B, 2020, 102, .	1.1	12

#	ARTICLE	IF	CITATIONS
37	Nodal plane and persistent spin texture in a Weyl semimetal without mirror symmetry. <i>Physical Review B</i> , 2020, 101, .	1.1	4
38	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. <i>Chinese Physics B</i> , 2020, 29, 047401.	0.7	4
39	Large perpendicular magnetic anisotropy of single Co atom on MgO monolayer: A first-principles study. <i>Journal of Applied Physics</i> , 2015, 117, 17B316.	1.1	3
40	Disorder and spectral line shapes in two-level systems. <i>Chemical Physics Letters</i> , 2013, 582, 66-70.	1.2	1
41	Observation of nontrivial topological electronic structure of orthorhombic SnSe. <i>Physical Review Materials</i> , 2022, 6, .	0.9	0