

Wu-Jun Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9355970/publications.pdf>

Version: 2024-02-01

41
papers

2,677
citations

257450
24
h-index

276875
41
g-index

43
all docs

43
docs citations

43
times ranked

3720
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of nontrivial topological electronic structure of orthorhombic SnSe. <i>Physical Review Materials</i> , 2022, 6, .	2.4	0
2	Surface charge induced Dirac band splitting in a charge density wave material SnSe . <i>Physical Review Research</i> , 2021, 3, .	2.4	0
3	Observation of topological superconductivity in a stoichiometric transition metal dichalcogenide 2M-WS ₂ . <i>Nature Communications</i> , 2021, 12, 2874.	12.8	43
4	Anomalous Hall effect in ferrimagnetic metal RMn ₆ Sn ₆ (R = Tb, Dy, Ho) with clean Mn kagome lattice. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	29
5	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
6	A charge-density-wave topological semimetal. <i>Nature Physics</i> , 2021, 17, 381-387.	16.7	76
7	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. <i>Nature Communications</i> , 2020, 11, 3507.	12.8	27
8	Topological Lifshitz transition of the intersurface Fermi-arc loop in NbIrTe ₄ . <i>Physical Review B</i> , 2020, 102, .	11.2	10
9	Nodal plane and persistent spin texture in a Weyl semimetal without mirror symmetry. <i>Physical Review B</i> , 2020, 101, .	3.2	4
10	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb ₂ . <i>Advanced Materials</i> , 2020, 32, e1906046.	21.0	36
11	Magnetic exchange induced Weyl state in a semimetal EuCd ₂ Sb ₂ . <i>APL Materials</i> , 2020, 8, .	5.1	37
12	Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. <i>Chinese Physics B</i> , 2020, 29, 047401.	1.4	4
13	Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	22
14	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
15	All Magic Angles in Twisted Bilayer Graphene are Topological. <i>Physical Review Letters</i> , 2019, 123, 036401.	7.8	327
16	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
17	Magnetic Weyl semimetal phase in a Kagomé crystal. <i>Science</i> , 2019, 365, 1282-1285.	12.6	518
18	Strong spin-orbit coupling and Dirac nodal lines in the three-dimensional electronic structure of metallic rutile TiO_2 . <i>Physical Review B</i> , 2019, 99, .	11.8	18

#	ARTICLE	IF	CITATIONS
19	Prediction of a magnetic Weyl semimetal without spin-orbit coupling and strong anomalous Hall effect in the Heusler compensated ferrimagnet $\text{Ti}_{2-x}\text{Mn}_x\text{Bi}$. <i>Physical Review B</i> , 2018, 97, .	3.2	74
20	Topological Weyl semimetals in $\text{Bi}_{1+x}\text{S}_{2-x}$ alloys. <i>Physical Review B</i> , 2018, 97, .	1	1
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	Synthesis and thermoelectric properties of Rashba semiconductor BiTeBr with intensive texture. <i>Rare Metals</i> , 2018, 37, 274-281.	7.1	20
23	Topological surface Fermi arcs in the magnetic Weyl semimetal $\text{Co}_{3-x}\text{S}_{2-x}\text{Te}_{1+x}$. <i>Physical Review B</i> , 2018, 97, .	3.2	159
24	A coronene-based semiconducting two-dimensional metal-organic framework with ferromagnetic behavior. <i>Nature Communications</i> , 2018, 9, 2637.	12.8	210
25	Topological Quantum Phase Transition and Superconductivity Induced by Pressure in the Bismuth Tellurohalide BiTel . <i>Advanced Materials</i> , 2017, 29, 1605965.	21.0	51
26	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn_3Ge and Mn_3Sn . <i>New Journal of Physics</i> , 2017, 19, 015008.	2.9	277
27	Superconductivity in Alkaline Earth Metal-Filled Skutterudites $\text{Ba}_x\text{Ir}_4\text{X}_{12}$ ($X = \text{As}, \text{P}$). <i>Journal of the American Chemical Society</i> , 2017, 139, 8106-8109.	13.7	13
28	Prediction of Ideal Topological Semimetals with Triply Degenerate Points in the NaCu_3O_2 . <i>Physical Review Letters</i> , 2017, 119, 256402.	7.8	36
29	Quantum spin Hall phase in $\text{Mo}_2\text{M}_2\text{C}_3\text{O}_2$ ($M = \text{Ti}, \text{Zr}$). <i>Tj ETQq1.0</i> 0.784314 rgBT /Overlock 10 Tf	1.5	1
30	Two-dimensional rectangular tantalum carbide halides TaCX ($X = \text{Cl}, \text{Br}, \text{I}$): novel large-gap quantum spin Hall insulators. <i>2D Materials</i> , 2016, 3, 035018.	4.4	21
31	Pressure-driven superconductivity in the transition-metal pentatelluride HfTe_5 . <i>Physical Review B</i> , 2016, 94, .	3.2	46
32	Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC ($M = \text{Ti}, \text{Zr}$). <i>Tj ETQq0.0</i> 0.44 rgBT /Overlock 10 Tf	0.44	1
33	Converting normal insulators into topological insulators via tuning orbital levels. <i>Physical Review B</i> , 2015, 92, .	3.2	21
34	Large perpendicular magnetic anisotropy of single Co atom on MgO monolayer: A first-principles study. <i>Journal of Applied Physics</i> , 2015, 117, 17B316.	2.5	3
35	Relation between reactivity and electronic structure for $\text{Ca}_2\text{Si}_2\text{O}_5$, $\text{Ca}_2\text{Si}_3\text{O}_8$ - and $\text{Ca}_3\text{Si}_2\text{O}_7$ -dicalcium silicate: A first-principles study. <i>Cement and Concrete Research</i> , 2014, 57, 28-32.	11.0	59
36	Two-dimensional pentagonal crystals and possible spin-polarized Dirac dispersion relations. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	15

#	ARTICLE		IF	CITATIONS
37	Role of Formation of Statistical Aggregates in Chlorophyll Fluorescence Concentration Quenching. Journal of Physical Chemistry B, 2013, 117, 3976-3982.		2.6	22
38	Disorder and spectral line shapes in two-level systems. Chemical Physics Letters, 2013, 582, 66-70.		2.6	1
39	QM/MM Modeling of Environmental Effects on Electronic Transitions of the FMO Complex. Journal of Physical Chemistry B, 2013, 117, 3488-3495.		2.6	52
40	<i>Ab initio</i> study on band-gap narrowing in SrTiO ₃ . x xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block"><mml:math><mml:msub><mml:mrow>/><mml:mn>3</mml:mn></mml:msub></mml:math> with Nb-C-Nb codoping. Physical Review B, 2011, 84, .		3.2	54
41	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.		1.9	16