

Wu-Jun Shi

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,677
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257450

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Prediction of Ideal Topological Semimetals with Triply Degenerate Points in the $\text{NaCu}_3\text{Mn}_3\text{Sb}_7$. Physical Review Letters, 2017, 119, 256402. | 7.8 | 36 |
| 20 | Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb_2 . Advanced Materials, 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 . Npj Quantum Materials, 2018, 3, . | 5.2 | 34 |
| 22 | Prediction of the quantum spin Hall effect in monolayers of transition-metal carbides MC ($\text{M} = \text{Ti}, \text{Zr}$). Physical Review B, 2015, 92, . | 4.4 | 31 |
| 23 | Anomalous Hall effect in ferrimagnetic metal RMn_6Sn_6 ($\text{R} = \text{Tb}, \text{Dy}, \text{Ho}$) with clean Mn kagome lattice. Applied Physics Letters, 2021, 119, . | 3.3 | 29 |
| 24 | Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa . Nature Communications, 2020, 11, 3507. | 12.8 | 27 |
| 25 | Role of Formation of Statistical Aggregates in Chlorophyll Fluorescence Concentration Quenching. Journal of Physical Chemistry B, 2013, 117, 3976-3982. | 2.6 | 22 |
| 26 | Comprehensive scan for nonmagnetic Weyl semimetals with nonlinear optical response. Npj Computational Materials, 2020, 6, . | 8.7 | 22 |
| 27 | Converting normal insulators into topological insulators via tuning orbital levels. Physical Review B, 2015, 92, . | 3.2 | 21 |
| 28 | Two-dimensional rectangular tantalum carbide halides TaCX ($\text{X} = \text{Cl}, \text{Br}, \text{I}$): novel large-gap quantum spin Hall insulators. 2D Materials, 2016, 3, 035018. | 4.4 | 21 |
| 29 | Synthesis and thermoelectric properties of Rashba semiconductor BiTeBr with intensive texture. Rare Metals, 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_2 . Physical Review B, 2019, 99, . | 3.2 | 18 |
| 31 | Topological Weyl semimetals in Bi_2Te_3 alloys. Physical Review B, 2018, 97, . | 3.2 | 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. | 1.9 | 16 |
| 33 | Two-dimensional pentagonal crystals and possible spin-polarized Dirac dispersion relations. Journal of Applied Physics, 2014, 115, . | 2.5 | 15 |
| 34 | Superconductivity in Alkaline Earth Metal-Filled Skutterudites Ba_4X_{12} ($\text{X} = \text{As}, \text{P}$). Journal of the American Chemical Society, 2017, 139, 8106-8109. | 13.7 | 13 |
| 35 | Surface charge induced Dirac band splitting in a charge density wave material IrTe_2 . Physical Review Research, 2021, 3, . | 3.6 | 13 |
| 36 | Topological Lifshitz transition of the intersurface Fermi-arc loop in NbIrTe_4 . Physical Review B, 2020, 102, . | 3.2 | 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, . | 3.2 | 4 |
| 38 | Electronic structure and spatial inhomogeneity of iron-based superconductor FeS. <i>Chinese Physics B</i> , 2020, 29, 047401. | 1.4 | 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. | 2.5 | 3 |
| 40 | Disorder and spectral line shapes in two-level systems. <i>Chemical Physics Letters</i> , 2013, 582, 66-70. | 2.6 | 1 |
| 41 | Observation of nontrivial topological electronic structure of orthorhombic SnSe. <i>Physical Review Materials</i> , 2022, 6, . | 2.4 | 0 |