

Sheng Xu

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

320
citations

933447

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940533

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all docs

17
docs citations

17
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulation of current rectification in van der Waals ferroionic CuInP_2S_6 . <i>Nature Communications</i> , 2022, 13, 574.	12.8	60
2	Tunable magnetic properties in van der Waals crystals $(\text{Fe}_x\text{Co}_{1-x})_5\text{GeTe}_2$. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	54
3	Thickness-Dependent In-Plane Polarization and Structural Phase Transition in van der Waals Ferroelectric CuInP_2S_6 . <i>Small</i> , 2020, 16, e1904529.	10.0	50
4	Chiral fermion reversal in chiral crystals. <i>Nature Communications</i> , 2019, 10, 5505.	12.8	35
5	Extremely large magnetoresistance and electronic structure of TmSb . <i>Physical Review B</i> , 2018, 97, .	3.2	23
6	de Haas-van Alphen quantum oscillations and electronic structure in the large-Chern-number topological chiral semimetal CoSi . <i>Physical Review B</i> , 2020, 102, .	3.2	15
7	Time-Reversal Symmetry Breaking Driven Topological Phase Transition in EuB_6 . <i>Physical Review X</i> , 2021, 11, .	8.9	14
8	Quantum oscillations and electronic structure in the large-Chern number semimetal RhSn . <i>Physical Review B</i> , 2019, 100, .	3.2	12
9	Quantum Oscillations and Electronic Structure in the Large-Chern-Number Topological Chiral Semimetal PtGa . <i>Chinese Physics Letters</i> , 2020, 37, 107504.	3.3	12
10	Superconductive materials with MgB_2 -like structures from data-driven screening. <i>Physical Review B</i> , 2022, 105, .	3.2	1
11	Population Inversion and Dirac Fermion Cooling in 3D Dirac Semimetal Cd_3As_2 . <i>Nano Letters</i> , 2022, 22, 1138-1144.	9.1	9
12	Interlayer quantum transport in Dirac semimetal BaGa_2 . <i>Nature Communications</i> , 2020, 11, 2370.	12.8	8
13	Anisotropic magnetoresistance and de Haas-van Alphen effect in hafnium ditelluride. <i>Physical Review B</i> , 2020, 101, .	3.2	7
14	Shubnikov-de Haas and de Haas-van Alphen oscillations in the topological semimetal CaAl_4 . <i>Physical Review B</i> , 2019, 99, .	3.2	5
15	Enhanced domain wall conductivity in photosensitive ferroelectrics $\text{Sn}_2\text{P}_2\text{S}_6$ with full-visible-spectrum absorption. <i>Science China Materials</i> , 2022, 65, 1049-1056.	6.3	4
16	Pressure effect on the magnetoresistivity of topological semimetal RhSn . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 355601.	1.8	2
17	Large magnetoresistance and de Haas-van Alphen oscillations in the topological semimetal candidates BaX_4 ($X=\text{Ga}, \text{In}$). <i>Physical Review B</i> , 2021, 104, .	3.2	0