

# Sheng Xu

## List of Publications by Year in descending order

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17  
papers

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citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced domain wall conductivity in photosensitive ferroelectrics Sn <sub>2</sub> P <sub>2</sub> S <sub>6</sub> with full-visible-spectrum absorption. Science China Materials, 2022, 65, 1049-1056.	6.3	4
2	Manipulation of current rectification in van der Waals ferroionic CuInP <sub>2</sub> S <sub>6</sub> . Nature Communications, 2022, 13, 574.	12.8	60
3	Population Inversion and Dirac Fermion Cooling in 3D Dirac Semimetal Cd <sub>3</sub> As <sub>2</sub> . Nano Letters, 2022, 22, 1138-1144.	9.1	9
4	Superconductive materials with $\text{MgB}_2$ -like structures from data-driven screening. Physical Review B, 2022, 105, .	8.2	10
5	Time-Reversal Symmetry Breaking Driven Topological Phase Transition in $\text{EuB}_6$ . Physical Review X, 2021, 11, .	8.9	14
6	Large magnetoresistance and de Haas-van Alphen oscillations in the topological semimetal candidates BaX <sub>4</sub> (X=Ga, In). Physical Review B, 2021, 104, .	3.2	0
7	Thickness-Dependent In-Plane Polarization and Structural Phase Transition in van der Waals Ferroelectric CuInP <sub>2</sub> S <sub>6</sub> . Small, 2020, 16, e1904529.	10.0	50
8	de Haas-van Alphen quantum oscillations and electronic structure in the large-Chern-number topological chiral semimetal CoSi. Physical Review B, 2020, 102, .	3.2	15
9	Quantum Oscillations and Electronic Structure in the Large-Chern-Number Topological Chiral Semimetal PtGa. Chinese Physics Letters, 2020, 37, 107504.	3.3	12
10	Pressure effect on the magnetoresistivity of topological semimetal RhSn. Journal of Physics Condensed Matter, 2020, 32, 355601.	1.8	2
11	Tunable magnetic properties in van der Waals crystals (Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>5</sub> GeTe <sub>2</sub> . Applied Physics Letters, 2020, 116, .	3.3	54
12	Interlayer quantum transport in Dirac semimetal BaGa <sub>2</sub> . Nature Communications, 2020, 11, 2370.	12.8	8
13	Anisotropic magnetoresistance and de Haas-van Alphen effect in hafnium ditelluride. Physical Review B, 2020, 101, .	3.2	7
14	Shubnikov-de Haas and de Haas-van Alphen oscillations in the topological semimetal CaAl <sub>4</sub> . Physical Review B, 2019, 99, .	3.2	5
15	Chiral fermion reversal in chiral crystals. Nature Communications, 2019, 10, 5505.	12.8	35
16	Quantum oscillations and electronic structure in the large-Chern number semimetal RhSn. Physical Review B, 2019, 100, .	3.2	12
17	Extremely large magnetoresistance and electronic structure of TmSb. Physical Review B, 2018, 97, .	3.2	23