

# Jiabin Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

396  
citations

840585

11  
h-index

794469

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Chern number in quantum anomalous Hall insulators. <i>Nature</i> , 2020, 588, 419-423.	13.7	103
2	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. <i>Physical Review Letters</i> , 2017, 119, 136401.	2.9	75
3	Model Hamiltonian and time reversal breaking topological phases of antiferromagnetic half-Heusler materials. <i>Physical Review B</i> , 2017, 95, .	1.1	37
4	Singlet-quintet mixing in spin-orbit coupled superconductors with $\langle \mathbf{j} \cdot \mathbf{m} \rangle = 0$ fermions. <i>Physical Review B</i> , 2018, 98, .	1.1	3
5	Quantum anomalous Hall effect in two-dimensional magnetic insulator heterojunctions. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	24
6	Piezoelectricity and topological quantum phase transitions in two-dimensional spin-orbit coupled crystals with time-reversal symmetry. <i>Nature Communications</i> , 2020, 11, 2290.	5.8	22
7	Magnetic resonance induced pseudoelectric field and giant current response in axion insulators. <i>Physical Review B</i> , 2019, 100, .	1.1	21
8	Dynamical symmetry indicators for Floquet crystals. <i>Nature Communications</i> , 2021, 12, 5985.	5.8	13
9	Unconventional superconductivity and surface pairing symmetry in half-Heusler compounds. <i>Physical Review B</i> , 2018, 97, .	1.1	12
10	Finite-scale emergence of 2+1D supersymmetry at first-order quantum phase transition. <i>Physical Review B</i> , 2019, 100, .	1.1	12
11	Phonon Helicity Induced by Electronic Berry Curvature in Dirac Materials. <i>Physical Review Letters</i> , 2021, 127, 125901.	2.9	12
12	Dynamical piezomagnetic effect in time-reversal-invariant Weyl semimetals with axionic charge density waves. <i>Physical Review B</i> , 2021, 104, .	1.1	7
13	Effective field theories of topological crystalline insulators and topological crystals. <i>Physical Review B</i> , 2022, 105, .	1.1	6
14	Gapless Criterion for Crystals from Effective Axion Field. <i>Physical Review Letters</i> , 2020, 125, 036401.	2.9	5
15	Dynamical fragile topology in Floquet crystals. <i>Physical Review B</i> , 2021, 104, .	1.1	5
16	Pseudo-gauge fields in Dirac and Weyl materials. <i>Semiconductors and Semimetals</i> , 2021, 108, 195-224.	0.4	4
17	Euler-obstructed Cooper pairing: Nodal superconductivity and hinge Majorana zero modes. <i>Physical Review B</i> , 2022, 105, .	1.1	4
18	Spin susceptibility, upper critical field, and disorder effect in $j = 3/2$ superconductors with singlet-quintet mixing. <i>Journal of Applied Physics</i> , 2020, 128, 063904.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Presence versus absence of two-dimensional Fermi surface anomalies. Physical Review B, 2021, 103, .	1.1	2
20	Surface Majorana flat bands in $j = 3/2$ superconductors with singlet-quintet mixing. Chinese Physics B, 2020, 29, 017402.	0.7	0