

Kun Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,402
citations

331670

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361022

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39
all docs

39
docs citations

39
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative flat band magnetism in a spin-orbit-coupled correlated kagome magnet. Nature Physics, 2019, 15, 443-448.	16.7	283
2	Giant and anisotropic many-body spin-orbit tunability in a strongly correlated kagome magnet. Nature, 2018, 562, 91-95.	27.8	255
3	Quantum-limit Chern topological magnetism in TbMn6Sn6. Nature, 2020, 583, 533-536.	27.8	253
4	Double Superconducting Dome and Triple Enhancement of T_c in the Kagome Superconductor AV_3Sb_5 . Physical Review Letters, 2021, 126, 247001.	7.8	240
5	Chiral flux phase in the Kagome superconductor AV_3Sb_5 . Science Bulletin, 2021, 66, 1384-1388.	9.0	187
6	Three-Dimensional Charge Density Wave and Surface-Dependent Vortex-Core States in a Kagome Superconductor AV_3Sb_5 . Physical Review X, 2021, 11, .	8.9	176
7	Electronic nature of charge density wave and electron-phonon coupling in kagome superconductor KV_3Sb_5 . Nature Communications, 2022, 13, 273.	12.8	124
8	Orbital-selective Dirac fermions and extremely flat bands in frustrated kagome-lattice metal CoSn . Nature Communications, 2020, 11, 4002.	12.8	121
9	Correlated insulating phases of twisted bilayer graphene at commensurate filling fractions: A Hartree-Fock study. Physical Review B, 2020, 102, .	3.2	107
10	Atomic line defects and zero-energy end states in monolayer $\text{Fe}(\text{Te},\text{Se})$ high-temperature superconductors. Nature Physics, 2020, 16, 536-540.	16.7	78
11	Interatomic Coulomb interaction and electron nematic bond order in FeSe . Physical Review B, 2016, 93, .	3.2	72
12	Low-energy effective theory and symmetry classification of flux phases on the kagome lattice. Physical Review B, 2021, 104, .	3.2	48
13	Quantum Anomalous Vortex and Majorana Zero Mode in Iron-Based Superconductor $\text{Fe}(\text{Te},\text{Se})$. Physical Review X, 2019, 9, .	8.9	44
14	Scaling of the strange-metal scattering in unconventional superconductors. Nature, 2022, 602, 431-436.	27.8	42
15	Switching of the magnetic anisotropy via strain in two dimensional multiferroic materials: CrSX ($X = \text{Cl}, \text{Br}, \text{I}$). Applied Physics Letters, 2020, 116, .	3.3	40
16	Antiferromagnetic Chern Insulators in Noncentrosymmetric Systems. Physical Review Letters, 2018, 120, 157205.	7.8	36
17	Fermion-boson many-body interplay in a frustrated kagome paramagnet. Nature Communications, 2020, 11, 4003.	12.8	35
18	Observation of magnetic adatom-induced Majorana vortex and its hybridization with field-induced Majorana vortex in an iron-based superconductor. Nature Communications, 2021, 12, 1348.	12.8	33

