

Mun Chan

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,208
citations

236925

25
h-index

214800

47
g-index

48
all docs

48
docs citations

48
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity and quantum criticality linked by the Hall effect in a strange metal. Nature Physics, 2021, 17, 58-62.	16.7	13
2	Scale-invariant magnetic anisotropy in RuCl ₃ at high magnetic fields. Nature Physics, 2021, 17, 240-244.	16.7	25
3	Unconventional quantum vortex matter state hosts quantum oscillations in the underdoped high-temperature cuprate superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
4	Proximity to a critical point driven by electronic entropy in URu ₂ Si ₂ . Npj Quantum Materials, 2021, 6, .	5.2	1
5	Hidden strange metallic state in underdoped electron-doped cuprates. Physical Review B, 2021, 103, .	3.2	3
6	Evidence of two-dimensional flat band at the surface of antiferromagnetic kagome metal FeSn. Nature Communications, 2021, 12, 5345.	12.8	34
7	Dirac fermions and flat bands in the ideal kagome metal FeSn. Nature Materials, 2020, 19, 163-169.	27.5	367
8	Vortex phases and glassy dynamics in the highly anisotropic superconductor HgBa ₂ CuO ₄ + δ . Scientific Reports, 2020, 10, 10239.	3.3	14
9	Magnetic breakdown and charge density wave formation: A quantum oscillation study of the rare-earth tritellurides. Physical Review B, 2020, 102, .	3.2	8
10	Colossal magnetoresistance in a nonsymmorphic antiferromagnetic insulator. Npj Quantum Materials, 2020, 5, .	5.2	38
11	Extent of Fermi-surface reconstruction in the high-temperature superconductor HgBa ₂ CuO ₄ + δ . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9782-9786.	7.1	7
12	Hard antinodal gap revealed by quantum oscillations in the pseudogap regime of underdoped high-T _c superconductors. Nature Physics, 2020, 16, 841-847.	16.7	7
13	de Haas-van Alphen effect of correlated Dirac states in kagome metal Fe ₃ Sn ₂ . Nature Communications, 2019, 10, 4870.	12.8	48
14	Evidence for a universal Fermi-liquid scattering rate throughout the phase diagram of the copper-oxide superconductors. New Journal of Physics, 2019, 21, 113007.	2.9	19
15	Record-Breaking Magnetoresistance at the Edge of a Microflake of Natural Graphite. Advanced Engineering Materials, 2019, 21, 1900991.	3.5	2
16	Correlation between scale-invariant normal-state resistivity and superconductivity in an electron-doped cuprate. Science Advances, 2019, 5, eaav6753.	10.3	29
17	Magnetic field-tuned Fermi liquid in a Kondo insulator. Nature Communications, 2019, 10, 5487.	12.8	18
18	Quantum oscillations from the reconstructed Fermi surface in electron-doped cuprate superconductors. New Journal of Physics, 2018, 20, 043019.	2.9	14

#	ARTICLE	IF	CITATIONS
19	Fermi surface in the absence of a Fermi liquid in the Kondo insulator SmB ₆ . Nature Physics, 2018, 14, 166-172.	16.7	81
20	Magnetoresistance Scaling Reveals Symmetries of the Strongly Correlated Dynamics in BaFe_2As_2		

#	ARTICLE	IF	CITATIONS
37	Universal sheet resistance and revised phase diagram of the cuprate high-temperature superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12235-12240.	7.1	142
38	Universal quantum oscillations in the underdoped cuprate superconductors. Nature Physics, 2013, 9, 761-764.	16.7	130
39	Absence of Static Loop-Current Magnetism at the Apical Oxygen Site in $\text{HgBa}_2\text{CuO}_4+\hat{1}$ from NMR. Physical Review Letters, 2013, 111, 187003.	7.8	38
40	Doping-Dependent Photon Scattering Resonance in the Model High-Temperature Superconductor $\text{HgBa}_2\text{CuO}_4+\hat{1}$ by Raman Scattering and Optical Ellipsometry. Physical Review Letters, 2013, 111, 187001.	7.8	25
41	Spectroscopic evidence for Fermi liquid-like energy and temperature dependence of the relaxation rate in the pseudogap phase of the cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5774-5778.	7.1	108
42	Temperature and field dependence of the anisotropy parameter for the high-temperature superconductor $\text{HgBa}_2\text{CuO}_4+\hat{1}$. Superconductor Science and Technology, 2012, 25, 115010.	3.5	4
43	Feedback Effect on High-Energy Magnetic Fluctuations in the Model High-Temperature Superconductor $\text{HgBa}_2\text{CuO}_4+\hat{1}$ Observed by Electronic Raman Scattering. Physical Review Letters, 2012, 108, 227003.	7.8	26
44	Two Ising-like magnetic excitations in a single-layer cuprate superconductor. Nature Physics, 2012, 8, 404-410.	16.7	28
45	Electrical measurement of the spin Hall effects in $\text{Fe}/\text{In}/\text{GaAs}$ heterostructures. , 2011, , .		0
46	Electrical Measurement of the Direct Spin Hall Effect in $\text{Fe}/\text{In}/\text{GaAs}$ Heterostructures. Physical Review Letters, 2010, 105, 156602.	7.8	53
47	Hyperfine interactions and spin transport in ferromagnet-semiconductor heterostructures. Physical Review B, 2009, 80, .	3.2	43
48	Identification and separation of two distinct contributions to the training effect in polycrystalline CoFeMnO_2 . Physical Review B, 2008, 77, .	3.2	41