

Tian Liang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

4,369
citations

687363

13
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

5592
citing authors

#	ARTICLE	IF	CITATIONS
1	Large, non-saturating magnetoresistance in WTe ₂ . Nature, 2014, 514, 205-208.	27.8	1,329
2	Ultrahigh mobility and giant magnetoresistance in the Dirac semimetal Cd ₃ As ₂ . Nature Materials, 2015, 14, 280-284.	27.5	1,197
3	Evidence for the chiral anomaly in the Dirac semimetal Na ₃ Bi. Science, 2015, 350, 413-416.	12.6	927
4	Anomalous Hall effect in ZrTe ₅ . Nature Physics, 2018, 14, 451-455.	16.7	192
5	A ferromagnetic insulating substrate for the epitaxial growth of topological insulators. Journal of Applied Physics, 2013, 114, 114907.	2.5	138
6	Anomalous Nernst Effect in the Dirac Semimetal Cd_3As_2 . Physical Review Letters, 2017, 118, 136601.	7.8	138
7	Evidence for massive bulk Dirac fermions in Pb _{1-x} Sn _x Se from Nernst and thermopower experiments. Nature Communications, 2013, 4, 2696.	12.8	126
8	Bulk crystal growth and electronic characterization of the 3D Dirac semimetal Na ₃ Bi. APL Materials, 2015, 3, .	5.1	76
9	Dirac metal to topological metal transition at a structural phase change in Au_2PbZ_2 and prediction of Z_2 topology. Science Advances, 2017, 3, e1602510.	3.2	55
10	A pressure-induced topological phase with large Berry curvature in Pb _{1-x} Sn _x Te. Science Advances, 2017, 3, e1602510.	10.3	55
11	Heat capacity peak at the quantum critical point of the transverse Ising magnet CoNb ₂ O ₆ . Nature Communications, 2015, 6, 7611.	12.8	53
12	Magnetic phase diagram of underdoped YBa ₂ Cu ₃ O _y inferred from torque magnetization and thermal conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12667-12672.	7.1	38
13	Orthogonal magnetization and symmetry breaking in pyrochlore iridate Eu ₂ Ir ₂ O ₇ . Nature Physics, 2017, 13, 599-603.	16.7	27
14	Highly tunable topological system based on PbTe-SnTe binary alloy. Physical Review Materials, 2020, 4, .	2.4	11
15	Wireless biomechanical power harvesting via flexible magnetostrictive ribbons. Energy and Environmental Science, 2014, 7, 2243.	30.8	7
16	Anomalous transport properties in topological semimetals. Semiconductors and Semimetals, 2021, 108, 43-72.	0.7	0