

Liang Wu

List of Publications by Year in descending order

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papers

2,361
citations

361413
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34
all docs

34
docs citations

34
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant anisotropic nonlinear optical response in transition metal monopnictide Weyl semimetals. Nature Physics, 2017, 13, 350-355.	16.7	325
2	Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. Nature Photonics, 2018, 12, 73-78.	31.4	260
3	Quantized Faraday and Kerr rotation and axion electrodynamics of a 3D topological insulator. Science, 2016, 354, 1124-1127.	12.6	254
4	A sudden collapse in the transport lifetime across the topological phase transition in $(\text{Bi}_{1-x}\text{In}_x)_2\text{Se}_3$. Nature Physics, 2013, 9, 410-414.	16.7	206
5	Terahertz Response and Colossal Kerr Rotation from the Surface States of the Topological Insulator Bi_2Se_3 . Physical Review Letters, 2012, 108, 087403.	7.8	201
6	Record Surface State Mobility and Quantum Hall Effect in Topological Insulator Thin Films via Interface Engineering. Nano Letters, 2015, 15, 8245-8249.	9.1	119
7	Magneto-Optical Signature of Massless Kane Electrons in Cd_3As_2 . Physical Review Letters, 2016, 117, 136401.	7.8	93
8	Giant topological longitudinal circular photo-galvanic effect in the chiral multifold semimetal CoSi. Nature Communications, 2021, 12, 154.	12.8	89
9	Antiferromagnetic Resonance and Terahertz Continuum in Mn_2Te . Physical Review Letters, 2017, 119, 227201.	7.8	85
10	Resonance-enhanced optical nonlinearity in the Weyl semimetal TaAs. Physical Review B, 2018, 98, .	3.2	83
11	Mixed-valence-driven heavy-fermion behavior and superconductivity in KNi_2Se_2 . Physical Review B, 2012, 86, .	3.2	71
12	Imaging the Néel vector switching in the monolayer antiferromagnet MnPSe_3 with strain-controlled Ising order. Nature Nanotechnology, 2021, 16, 782-787.	31.5	70
13	High-Resolution Faraday Rotation and Electron-Phonon Coupling in Surface States of the Bulk-Insulating Topological Insulator Cu_2Te . Physical Review Letters, 2015, 115, 217602.	7.8	64
14	Linear and nonlinear optical responses in the chiral multifold semimetal RhSi. Npj Quantum Materials, 2020, 5, .	5.2	50
15	Field evolution of magnons in Mn_2Te by high-resolution polarized terahertz spectroscopy. Physical Review B, 2018, 98, .	7.8	49
16	On the matter of topological insulators as magnetoelectrics. SciPost Physics, 2019, 6, .	4.9	43
17	Anomalous gap-edge dissipation in disordered superconductors on the brink of localization. Physical Review B, 2016, 93, .	3.2	37
18	Optical signatures of multifold fermions in the chiral topological semimetal CoSi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27104-27110.	7.1	37

#	ARTICLE	IF	CITATIONS
19	Aging and reduced bulk conductance in thin films of the topological insulator Bi ₂ Se ₃ . Journal of Applied Physics, 2013, 113, .	2.5	29
20	Kondo physics in antiferromagnetic Weyl semimetal Mn ₃ X ₂ Sn _{1-x} films. Science Advances, 2020, 6, eabc1977.	10.3	23
21	Stability of low-carrier-density topological-insulator Bi ₂ Se ₃ thin films and effect of capping layers. APL Materials, 2015, 3, 091101.	5.1	22
22	Imaging Anomalous Nematic Order and Strain in Optimally Doped BaFe ₂ As ₂ T _j ETQqO ₀ 0 rgBT /Overlock 10 Tf 50 612 Td (mat		40
23	Direct Imaging of Antiferromagnetic Domains and Anomalous Layer-Dependent Mirror Symmetry Breaking in Atomically Thin MnPS ₃ . Physical Review Letters, 2021, 127, 187201.	7.8	20
24	Cavity-enhanced linear dichroism in a van der Waals antiferromagnet. Nature Photonics, 2022, 16, 311-317.	31.4	20
25	Disorder-driven topological phase transition in Bi ₂ Se ₃ thin films.	3.2	19
26	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal Co ₂ Te ₃ at room temperature. Physical Review B, 2022, 105, .	3.2	16
27	Observation of Giant Surface Second-Harmonic Generation Coupled to Nematic Orders in the van der Waals Antiferromagnet FePS ₃ . Nano Letters, 2022, 22, 3283-3288.	9.1	13
28	Tuning and stabilizing topological insulator Bi ₂ Se ₃ in the intrinsic regime by charge extraction with organic overlayers. Applied Physics Letters, 2016, 108, .	3.3	11
29	Measurement of the topological surface state optical conductance in bulk-insulating Sn-doped Bi ₂ Se ₃ single crystals. Physical Review B, 2016, 94, .	3.2	11
30	Electron-Hole Asymmetry of Surface States in Topological Insulator Sb ₂ Te ₃ Thin Films Revealed by Magneto-Infrared Spectroscopy. Nano Letters, 2020, 20, 4588-4593.	9.1	9
31	A Compact Broadband Terahertz Range Quarter-Wave Plate. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 642-654.	2.2	9
32	Nonvolatile Solid-State Charged-Polymer Gating of Topological Insulators into the Topological Insulating Regime. Physical Review Applied, 2018, 9, .	3.8	3
33	Giant anisotropic nonlinear optical response in Weyl semimetals. , 2018, , .		1
34	A new type of cyclotron resonance from charge-impurity scattering in the bulk-insulating Bi ₂ Se ₃ thin films. Journal Physics D: Applied Physics, 0, , .	2.8	1