

Liang Wu

List of Publications by Year in descending order

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papers

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citations

361413

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34
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docs citations

34
times ranked

3307
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavity-enhanced linear dichroism in a van der Waals antiferromagnet. <i>Nature Photonics</i> , 2022, 16, 311-317.	31.4	20
2	Observation of Giant Surface Second-Harmonic Generation Coupled to Nematic Orders in the van der Waals Antiferromagnet FePS ₃ . <i>Nano Letters</i> , 2022, 22, 3283-3288.	9.1	13
3	Giant intrinsic anomalous terahertz Faraday rotation in the magnetic Weyl semimetal $\text{Co}_2\text{Mn}_2\text{Te}_5$ at room temperature. <i>Physical Review B</i> , 2022, 105, .	2	1
4	Giant topological longitudinal circular photo-galvanic effect in the chiral multifold semimetal CoSi. <i>Nature Communications</i> , 2021, 12, 154.	12.8	89
5	Imaging the Néel vector switching in the monolayer antiferromagnet MnPS ₃ with strain-controlled Ising order. <i>Nature Nanotechnology</i> , 2021, 16, 782-787.	31.5	70
6	Direct Imaging of Antiferromagnetic Domains and Anomalous Layer-Dependent Mirror Symmetry Breaking in Atomically Thin MnPS_3 . <i>Physical Review Letters</i> , 2021, 127, 187201.	7.8	20
7	Optical signatures of multifold fermions in the chiral topological semimetal CoSi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27104-27110.	7.1	37
8	Kondo physics in antiferromagnetic Weyl semimetal Mn_3Sn films. <i>Science Advances</i> , 2020, 6, eabc1977.	10.3	23
9	Electron-Hole Asymmetry of Surface States in Topological Insulator Sb ₂ Te ₃ Thin Films Revealed by Magneto-Infrared Spectroscopy. <i>Nano Letters</i> , 2020, 20, 4588-4593.	9.1	9
10	A Compact Broadband Terahertz Range Quarter-Wave Plate. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 642-654.	2.2	9
11	Linear and nonlinear optical responses in the chiral multifold semimetal RhSi. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	50
12	On the matter of topological insulators as magnetoelectrics. <i>SciPost Physics</i> , 2019, 6, .	4.9	43
13	Nonvolatile Solid-State Charged-Polymer Gating of Topological Insulators into the Topological Insulating Regime. <i>Physical Review Applied</i> , 2018, 9, .	3.8	3
14	Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. <i>Nature Photonics</i> , 2018, 12, 73-78.	31.4	260
15	Field evolution of magnons in $\text{Ba}_2\text{FeTeO}_6$ by high-resolution polarized terahertz spectroscopy. <i>Physical Review B</i> , 2018, 98, .	4	1
16	Resonance-enhanced optical nonlinearity in the Weyl semimetal TaAs. <i>Physical Review B</i> , 2018, 98, .	3.2	83
17	Imaging Anomalous Nematic Order and Strain in Optimally Doped $\text{BaFe}_2\text{TeO}_6$ by High-Resolution Polarized Terahertz Spectroscopy. <i>Physical Review B</i> , 2018, 98, .	7.8	20
18	Giant anisotropic nonlinear optical response in Weyl semimetals. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Giant anisotropic nonlinear optical response in transition metal monopnictide Weyl semimetals. Nature Physics, 2017, 13, 350-355.	16.7	325
20	Antiferromagnetic Resonance and Terahertz Continuum in Bi_2Se_3 . Physical Review Letters, 2017, 119, 227201.	7.8	85
21	Quantized Faraday and Kerr rotation and axion electrodynamics of a 3D topological insulator. Science, 2016, 354, 1124-1127.	12.6	254
22	Tuning and stabilizing topological insulator Bi_2Se_3 in the intrinsic regime by charge extraction with organic overlayers. Applied Physics Letters, 2016, 108, .	3.3	11
23	Measurement of the topological surface state optical conductance in bulk-insulating Sn-doped Bi_2Se_3 thin films. Physical Review B, 2016, 94, 041407.	3.2	19
24	Magneto-Optical Signature of Massless Kane Electrons in Bi_2Se_3 thin films. Physical Review Letters, 2016, 117, 136401.	7.8	93
25	Anomalous gap-edge dissipation in disordered superconductors on the brink of localization. Physical Review B, 2016, 93, .	3.2	37
26	High-Resolution Faraday Rotation and Electron-Phonon Coupling in Surface States of the Bulk-Insulating Topological Insulator Bi_2Se_3 . Physical Review Letters, 2015, 115, 217602.	7.8	64
27	Stability of low-carrier-density topological-insulator Bi_2Se_3 thin films and effect of capping layers. APL Materials, 2015, 3, 091101.	5.1	22
28	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
29	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
30	Aging and reduced bulk conductance in thin films of the topological insulator Bi_2Se_3 . Journal of Applied Physics, 2013, 113, .	2.5	29
31	Mixed-valence-driven heavy-fermion behavior and superconductivity in KNi_2Se_2 . Physical Review B, 2012, 86, 040407.	3.2	71
32	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
33	A new type of cyclotron resonance from charge-impurity scattering in the bulk-insulating Bi_2Se_3 thin films. Journal Physics D: Applied Physics, 0, , .	2.8	1