

Yong-Tao Cui

List of Publications by Year in descending order

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39
papers

4,305
citations

218381

26
h-index

301761

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g-index

39
all docs

39
docs citations

39
times ranked

6936
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric control of a canted-antiferromagnetic Chern insulator. Nature Communications, 2022, 13, 1668.	5.8	37
2	A Van der Waals Interface Hosting Two Groups of Magnetic Skyrmions. Advanced Materials, 2022, 34, e2110583.	11.1	37
3	Evidence for equilibrium exciton condensation in monolayer WTe ₂ . Nature Physics, 2022, 18, 94-99.	6.5	55
4	Correlated insulating states at fractional fillings of the WS ₂ /WSe ₂ moiré lattice. Nature Physics, 2021, 17, 715-719.	6.5	157
5	Intertwined Topological and Magnetic Orders in Atomically Thin Chern Insulator MnBi ₂ Te ₄ . Nano Letters, 2021, 21, 2544-2550.	4.5	92
6	Imaging Dual-Moiré Lattices in Twisted Bilayer Graphene Aligned on Hexagonal Boron Nitride Using Microwave Impedance Microscopy. Nano Letters, 2021, 21, 4292-4298.	4.5	15
7	Signatures of moiré trions in WSe ₂ /MoSe ₂ heterobilayers. Nature, 2021, 594, 46-50.	13.7	77
8	Strong interaction between interlayer excitons and correlated electrons in WSe ₂ /WS ₂ moiré superlattice. Nature Communications, 2021, 12, 3608.	5.8	63
9	Excitonic and Valley-Polarization Signatures of Fractional Correlated Electronic Phases in a $\frac{2}{3}\nu_{\pm} \frac{43}{53}\nu_{\mp}$ Moiré Superlattice. Physical Review Letters, 2021, 127, 037402.	2.9	43
10	Determination of the Spin Axis in Quantum Spin Hall Insulator Candidate Monolayer $\frac{2}{3}\nu_{\pm} \frac{17}{19}\nu_{\mp}$ Physical Review X, 2021, 11, .	2.8	17
11	Coexistence of Magnetic Orders in Two-Dimensional Magnet CrI ₃ . Nano Letters, 2020, 20, 553-558.	4.5	74
12	Imaging quantum spin Hall edges in monolayer WTe ₂ . Science Advances, 2019, 5, eaat8799.	4.7	113
13	Probing Magnetism in Insulating Cr ₂ Ge ₂ Te ₆ by Induced Anomalous Hall Effect in Pt. Nano Letters, 2019, 19, 2397-2403.	4.5	81
14	Capillary-Force-Assisted Clean-Stamp Transfer of Two-Dimensional Materials. Nano Letters, 2017, 17, 6961-6967.	4.5	98
15	Precipitation growth of graphene under exfoliated hexagonal boron nitride to form heterostructures on cobalt substrate by molecular beam epitaxy. Applied Physics Letters, 2017, 111, .	1.5	6
16	Measurement of surface acoustic wave resonances in ferroelectric domains by microwave microscopy. Journal of Applied Physics, 2017, 122, 074101.	1.1	7
17	Quantitative analysis of effective height of probes in microwave impedance microscopy. Review of Scientific Instruments, 2016, 87, 094701.	0.6	5
18	Quartz tuning fork based microwave impedance microscopy. Review of Scientific Instruments, 2016, 87, 063711.	0.6	31

#	ARTICLE	IF	CITATIONS
19	Quantitative Theory for Probe-Sample Interaction With Inhomogeneous Perturbation in Near-Field Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1402-1408.	2.9	20
20	Unconventional Correlation between Quantum Hall Transport Quantization and Bulk State Filling in Gated Graphene Devices. Physical Review Letters, 2016, 117, 186601.	2.9	33
21	Direct Imaging of Dynamic Glassy Behavior in a Strained Manganite Film. Physical Review Letters, 2015, 115, 265701.	2.9	24
22	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. Nature Communications, 2015, 6, 7252.	5.8	101
23	Interface Ferroelectric Transition near the Gap-Opening Temperature in a Single-Unit-Cell FeSe Film Grown on Nb-Doped SrTiO ₃ Substrate. Physical Review Letters, 2015, 114, 037002.	2.9	23
24	Mobile metallic domain walls in an all-in-all-out magnetic insulator. Science, 2015, 350, 538-541.	6.0	159
25	Shielded piezoresistive cantilever probes for nanoscale topography and electrical imaging. Journal of Micromechanics and Microengineering, 2014, 24, 045026.	1.5	6
26	Direct observation of the transition from indirect to direct bandgap in atomically thin epitaxial MoSe ₂ . Nature Nanotechnology, 2014, 9, 111-115.	15.6	1,129
27	Interfacial mode coupling as the origin of the enhancement of T _c in FeSe films on SrTiO ₃ . Nature, 2014, 515, 245-248.	13.7	567
28	Observation of Temperature-Induced Crossover to an Orbital-Selective Mott Phase in $A_x\text{Fe}_2\text{As}_2$		

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37	Resonant spin-transfer-driven switching of magnetic devices assisted by microwave current pulses. Physical Review B, 2008, 77, .	1.1	41
38	Measurement of the spin-transfer-torque vector in magnetic tunnel junctions. Nature Physics, 2008, 4, 67-71.	6.5	571
39	Strong linewidth variation for spin-torque nano-oscillators as a function of in-plane magnetic field angle. Physical Review B, 2008, 78, .	1.1	61