

Yong-Tao Cui

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

4,305
citations

218381

26
h-index

301761

39
g-index

39
all docs

39
docs citations

39
times ranked

6936
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Measurement of the spin-transfer-torque vector in magnetic tunnel junctions. Nature Physics, 2008, 4, 67-71.	6.5	571
3	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
4	Observation of Temperature-Induced Crossover to an Orbital-Selective Mott Phase in $A_xFe_{1-x}Fe_{2-x}Fe_{2+x}$		

#	ARTICLE	IF	CITATIONS
19	Strong linewidth variation for spin-torque nano-oscillators as a function of in-plane magnetic field angle. <i>Physical Review B</i> , 2008, 78, .	1.1	61
20	Evidence for equilibrium exciton condensation in monolayer WTe ₂ . <i>Nature Physics</i> , 2022, 18, 94-99.	6.5	55
21	Excitonic and Valley-Polarization Signatures of Fractional Correlated Electronic Phases in a 2×2 Moiré Superlattice. <i>Physical Review Letters</i> , 2021, 127, 037402.	2.9	43
22	Resonant spin-transfer-driven switching of magnetic devices assisted by microwave current pulses. <i>Physical Review B</i> , 2008, 77, .	1.1	41
23	Electric control of a canted-antiferromagnetic Chern insulator. <i>Nature Communications</i> , 2022, 13, 1668.	5.8	37
24	A Van der Waals Interface Hosting Two Groups of Magnetic Skyrmions. <i>Advanced Materials</i> , 2022, 34, e2110583.	11.1	37
25	Unconventional Correlation between Quantum Hall Transport Quantization and Bulk State Filling in Gated Graphene Devices. <i>Physical Review Letters</i> , 2016, 117, 186601.	2.9	33
26	Quartz tuning fork based microwave impedance microscopy. <i>Review of Scientific Instruments</i> , 2016, 87, 063711.	0.6	31
27	Direct Imaging of Dynamic Glassy Behavior in a Strained Manganite Film. <i>Physical Review Letters</i> , 2015, 115, 265701.	2.9	24
28	Interface Ferroelectric Transition near the Gap-Opening Temperature in a Single-Unit-Cell FeSe Film Grown on Nb-Doped SrTiO ₃ Substrate. <i>Physical Review Letters</i> , 2015, 114, 037002.	2.9	23
29	Quantitative Theory for Probe-Sample Interaction With Inhomogeneous Perturbation in Near-Field Scanning Microwave Microscopy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 1402-1408.	2.9	20
30	Determination of the Spin Axis in Quantum Spin Hall Insulator Candidate Monolayer WTe ₂ . <i>Physical Review X</i> , 2021, 11, .	2.8	17
31	Spin-transfer torque in nanoscale magnetic devices. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3617-3630.	1.6	15
32	Resonance Measurement of Nonlocal Spin Torque in a Three-Terminal Magnetic Device. <i>Physical Review Letters</i> , 2012, 108, 147201.	2.9	15
33	Imaging Dual-Moiré Lattices in Twisted Bilayer Graphene Aligned on Hexagonal Boron Nitride Using Microwave Impedance Microscopy. <i>Nano Letters</i> , 2021, 21, 4292-4298.	4.5	15
34	Network analyzer measurements of spin transfer torques in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	10
35	Measurement of surface acoustic wave resonances in ferroelectric domains by microwave microscopy. <i>Journal of Applied Physics</i> , 2017, 122, 074101.	1.1	7
36	Conditions for microwave amplification due to spin-torque dynamics in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2011, 99, 022505.	1.5	6

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37	Shielded piezoresistive cantilever probes for nanoscale topography and electrical imaging. Journal of Micromechanics and Microengineering, 2014, 24, 045026.	1.5	6
38	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
39	Quantitative analysis of effective height of probes in microwave impedance microscopy. Review of Scientific Instruments, 2016, 87, 094701.	0.6	5