

Qing Lin He

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,694
citations

393982

19
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological spintronics and magnetoelectronics. Nature Materials, 2022, 21, 15-23.	13.3	101
2	Spectroscopic fingerprint of chiral Majorana modes at the edge of a quantum anomalous Hall insulator/superconductor heterostructure. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 238-242.	3.3	22
3	Observation of Quantum Anomalous Hall Effect and Exchange Interaction in Topological Insulator/Antiferromagnet Heterostructure. Advanced Materials, 2020, 32, e2001460.	11.1	27
4	Termination switching of antiferromagnetic proximity effect in topological insulator. Science Advances, 2020, 6, eaaz8463.	4.7	20
5	Probing the low-temperature limit of the quantum anomalous Hall effect. Science Advances, 2020, 6, eaaz3595.	4.7	35
6	Topological Hall effect at above room temperature in heterostructures composed of a magnetic insulator and a heavy metal. Nature Electronics, 2019, 2, 182-186.	13.1	117
7	Topological insulator: Spintronics and quantum computations. Frontiers of Physics, 2019, 14, 1.	2.4	144
8	Exploring interfacial exchange coupling and sublattice effect in heavy metal/ferrimagnetic insulator heterostructures using Hall measurements, x-ray magnetic circular dichroism, and neutron reflectometry. Physical Review B, 2019, 99, .	1.1	39
9	Room-Temperature Skyrmions in an Antiferromagnet-Based Heterostructure. Nano Letters, 2018, 18, 980-986.	4.5	98
10	Spin-Torque Ferromagnetic Resonance in $W/\text{Co}/\text{MgO}$ Structures. Applied Physics Letters, 2018, 113, 122401.	1.5	23
11	Role of dimensional crossover on spin-orbit torque efficiency in magnetic insulator thin films. Nature Communications, 2018, 9, 3612.	5.8	84
12	Topological Transitions Induced by Antiferromagnetism in a Thin-Film Topological Insulator. Physical Review Letters, 2018, 121, 096802.	2.9	42
13	Exchange-biasing topological charges by antiferromagnetism. Nature Communications, 2018, 9, 2767.	5.8	61
14	Proximity-Induced Magnetic Order in a Transferred Topological Insulator Thin Film on a Magnetic Insulator. ACS Nano, 2018, 12, 5042-5050.	7.3	41
15	Large-area epitaxial growth of MoSe ₂ via an incandescent molybdenum source. Nanotechnology, 2017, 28, 455601.	1.3	4
16	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. Nature Materials, 2017, 16, 94-100.	13.3	137
17	Spin-torque ferromagnetic resonance measurements utilizing spin Hall magnetoresistance in W/Co ₄₀ Fe ₄₀ B ₂₀ /MgO structures. Applied Physics Letters, 2016, 109, .	1.5	36
18	Robust two-dimensional superconductivity and vortex system in Bi ₂ Te ₃ /FeTe heterostructures. Scientific Reports, 2016, 6, 26168.	1.6	13

#	ARTICLE	IF	CITATIONS
19	High performance CaS solar-blind ultraviolet photodiodes fabricated by seed-layer-assisted growth. Applied Physics Letters, 2015, 107, .	1.5	6
20	Anisotropic magnetic responses of a 2D-superconducting Bi ₂ Te ₃ /FeTe heterostructure. Journal of Physics Condensed Matter, 2015, 27, 345701.	0.7	7
21	Formation Mechanism of Superconducting Fe _{1+x} Te/Bi ₂ Te ₃ Bilayer Synthesized via Interfacial Chemical Reactions. Crystal Growth and Design, 2014, 14, 3370-3374.	1.4	5
22	Tunable Interaction-Induced Localization of Surface Electrons in Antidot Nanostructured Bi ₂ Te ₃ Thin Films. ACS Nano, 2014, 8, 9616-9621.	7.3	27
23	Two-dimensional superconductivity at the interface of a Bi ₂ Te ₃ /FeTe heterostructure. Nature Communications, 2014, 5, 4247.	5.8	114
24	Surface Reactivity Enhancement on a Pd/Bi ₂ Te ₃ Heterostructure through Robust Topological Surface States. Scientific Reports, 2013, 3, 2497.	1.6	22