

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 insulator: Spintronics and quantum computations. <i>Frontiers of Physics</i> , 2019, 14, 1.	2.4	144
2	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. <i>Nature Materials</i> , 2017, 16, 94-100.	13.3	137
3	Topological Hall effect at above room temperature in heterostructures composed of a magnetic insulator and a heavy metal. <i>Nature Electronics</i> , 2019, 2, 182-186.	13.1	117
4	Two-dimensional superconductivity at the interface of a Bi ₂ Te ₃ /FeTe heterostructure. <i>Nature Communications</i> , 2014, 5, 4247.	5.8	114
5	Topological spintronics and magnetoelectronics. <i>Nature Materials</i> , 2022, 21, 15-23.	13.3	101
6	Room-Temperature Skyrmions in an Antiferromagnet-Based Heterostructure. <i>Nano Letters</i> , 2018, 18, 980-986.	4.5	98
7	Role of dimensional crossover on spin-orbit torque efficiency in magnetic insulator thin films. <i>Nature Communications</i> , 2018, 9, 3612.	5.8	84
8	Exchange-biasing topological charges by antiferromagnetism. <i>Nature Communications</i> , 2018, 9, 2767.	5.8	61
9	Topological Transitions Induced by Antiferromagnetism in a Thin-Film Topological Insulator. <i>Physical Review Letters</i> , 2018, 121, 096802.	2.9	42
10	Proximity-Induced Magnetic Order in a Transferred Topological Insulator Thin Film on a Magnetic Insulator. <i>ACS Nano</i> , 2018, 12, 5042-5050.	7.3	41
11	Exploring interfacial exchange coupling and sublattice effect in heavy metal/ferrimagnetic insulator heterostructures using Hall measurements, x-ray magnetic circular dichroism, and neutron reflectometry. <i>Physical Review B</i> , 2019, 99, .	1.1	39
12	Spin-torque ferromagnetic resonance measurements utilizing spin Hall magnetoresistance in W/Co ₄₀ Fe ₄₀ B ₂₀ /MgO structures. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	36
13	Probing the low-temperature limit of the quantum anomalous Hall effect. <i>Science Advances</i> , 2020, 6, eaaz3595.	4.7	35
14	Tunable Interaction-Induced Localization of Surface Electrons in Antidot Nanostructured Bi ₂ Te ₃ Thin Films. <i>ACS Nano</i> , 2014, 8, 9616-9621.	7.3	27
15	Observation of Quantum Anomalous Hall Effect and Exchange Interaction in Topological Insulator/Antiferromagnet Heterostructure. <i>Advanced Materials</i> , 2020, 32, e2001460.	11.1	27
16	Spin-Torque Ferromagnetic Resonance in $W/Co_{40}Fe_{40}B_{20}/MgO$ Structures. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	36
17	Surface Reactivity Enhancement on a Pd/Bi ₂ Te ₃ Heterostructure through Robust Topological Surface States. <i>Scientific Reports</i> , 2013, 3, 2497.	1.6	22
18	Spectroscopic fingerprint of chiral Majorana modes at the edge of a quantum anomalous Hall insulator/superconductor heterostructure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 238-242.	3.3	22

#	ARTICLE	IF	CITATIONS
19	Termination switching of antiferromagnetic proximity effect in topological insulator. <i>Science Advances</i> , 2020, 6, eaaz8463.	4.7	20
20	Robust two-dimensional superconductivity and vortex system in Bi ₂ Te ₃ /FeTe heterostructures. <i>Scientific Reports</i> , 2016, 6, 26168.	1.6	13
21	Anisotropic magnetic responses of a 2D-superconducting Bi ₂ Te ₃ /FeTe heterostructure. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 345701.	0.7	7
22	High performance CaS solar-blind ultraviolet photodiodes fabricated by seed-layer-assisted growth. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	6
23	Formation Mechanism of Superconducting Fe _{1+x} Te/Bi ₂ Te ₃ Bilayer Synthesized via Interfacial Chemical Reactions. <i>Crystal Growth and Design</i> , 2014, 14, 3370-3374.	1.4	5
24	Large-area epitaxial growth of MoSe ₂ via an incandescent molybdenum source. <i>Nanotechnology</i> , 2017, 28, 455601.	1.3	4