

Xiaoyu Che

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,417
citations

623188

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794141

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times ranked

2469
citing authors

#	ARTICLE	IF	CITATIONS
1	A Spin-Orbit Torque Ratchet at Ferromagnet/Antiferromagnet Interface via Exchange Spring. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
2	Efficient Spin-Orbit Torque Switching of Perpendicular Magnetization using Topological Insulators with High Thermal Tolerance. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	6
3	Observation of Quantum Anomalous Hall Effect and Exchange Interaction in Topological Insulator/Antiferromagnet Heterostructure. <i>Advanced Materials</i> , 2020, 32, e2001460.	11.1	27
4	Termination switching of antiferromagnetic proximity effect in topological insulator. <i>Science Advances</i> , 2020, 6, eaaz8463.	4.7	20
5	Probing the low-temperature limit of the quantum anomalous Hall effect. <i>Science Advances</i> , 2020, 6, eaaz3595.	4.7	35
6	Strongly Surface State Carrier-Dependent Spin-Orbit Torque in Magnetic Topological Insulators. <i>Advanced Materials</i> , 2020, 32, e1907661.	11.1	29
7	Interfacial States and Fano-Feshbach Resonance in Graphene-Silicon Vertical Junction. <i>Nano Letters</i> , 2019, 19, 6765-6771.	4.5	2
8	Unidirectional Magneto-Resistance in Modulation-Doped Magnetic Topological Insulators. <i>Nano Letters</i> , 2019, 19, 692-698.	4.5	20
9	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
10	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
11	Room-Temperature Spin-Orbit Torque from Topological Surface States. <i>Physical Review Letters</i> , 2019, 123, 207205.	2.9	129
12	Topological spintronics and Majorana fermions. , 2019, , . Anomalous helicity-dependent photocurrent in the topological insulator ($T_{\text{ETQ}} \sim 10^{-2}$ K) at room temperature. <i>Physical Review B</i> , 2019, 99, 041407.		1
13	Physical Review B, 2018, 97, .	1.1	12
14	Topological Transitions Induced by Antiferromagnetism in a Thin-Film Topological Insulator. <i>Physical Review Letters</i> , 2018, 121, 096802.	2.9	42
15	Exchange-biasing topological charges by antiferromagnetism. <i>Nature Communications</i> , 2018, 9, 2767.	5.8	61
16	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
17	Large Room Temperature Charge-to-Spin Conversion Efficiency in Topological Insulator/CoFeB bilayers. , 2018, , .		4
18	Effects of Cd vacancies and unconventional spin dynamics in the Dirac semimetal Cd ₃ As ₂ . <i>Journal of Chemical Physics</i> , 2017, 147, 084706.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Tailoring exchange couplings in magnetic topological-insulator/antiferromagnet heterostructures. Nature Materials, 2017, 16, 94-100.	13.3	137
20	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. Nature Nanotechnology, 2016, 11, 352-359.	15.6	212