

# Jing Wang

## List of Publications by Year in descending order

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64  
papers

8,207  
citations

117625

34  
h-index

106344

65  
g-index

66  
all docs

66  
docs citations

66  
times ranked

7920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gate-tunable room-temperature ferromagnetism in two-dimensional Fe <sub>3</sub> GeTe <sub>2</sub> . Nature, 2018, 563, 94-99.	27.8	1,646
2	Large-Gap Quantum Spin Hall Insulators in Tin Films. Physical Review Letters, 2013, 111, 136804.	7.8	1,140
3	Quantum anomalous Hall effect in intrinsic magnetic topological insulator MnBi <sub>2</sub> Te <sub>4</sub> . Science, 2020, 367, 895-900.	12.6	909
4	Topological Axion States in the Magnetic Insulator $\text{MnBi}$ with the Quantized Magnetoelectric Effect. Physical Review Letters, 2019, 122, 206401.	7.8	554
5	Dynamical axion field in topological magnetic insulators. Nature Physics, 2010, 6, 284-288.	16.7	403
6	Landau Quantization of Topological Surface States in $\text{Bi}_2\text{Se}_3$ . Physical Review Letters, 2010, 105, 076801.	7.8	352
7	Topological insulators for high-performance terahertz to infrared applications. Physical Review B, 2010, 82, .	3.2	185
8	Quantized topological magnetoelectric effect of the zero-plateau quantum anomalous Hall state. Physical Review B, 2015, 92, .	3.2	152
9	Chiral topological superconductor and half-integer conductance plateau from quantum anomalous Hall plateau transition. Physical Review B, 2015, 92, .	3.2	146
10	Quantum Anomalous Hall Effect with Higher Plateaus. Physical Review Letters, 2013, 111, 136801.	7.8	137
11	Metal-to-insulator switching in quantum anomalous Hall states. Nature Communications, 2015, 6, 8474.	12.8	136
12	Topological states of condensed matter. Nature Materials, 2017, 16, 1062-1067.	27.5	135
13	Two-dimensional time-reversal-invariant topological superconductivity in a doped quantum spin-Hall insulator. Physical Review B, 2014, 90, .	3.2	126
14	Universal scaling of the quantum anomalous Hall plateau transition. Physical Review B, 2014, 89, .	3.2	109
15	Observation of the Zero Hall Plateau in a Quantum Anomalous Hall Insulator. Physical Review Letters, 2015, 115, 126801.	7.8	101
16	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. Nature Communications, 2015, 6, 7252.	12.8	101
17	Actinide Topological Insulator Materials with Strong Interaction. Science, 2012, 335, 1464-1466.	12.6	85
18	Quantum anomalous Hall effect in magnetic topological insulators. Physica Scripta, 2015, T164, 014003.	2.5	85



#	ARTICLE	IF	CITATIONS
37	Antiferromagnetic topological nodal line semimetals. <i>Physical Review B</i> , 2017, 96, .	3.2	29
38	Proposal for Direct Measurement of a Pure Spin Current by a Polarized Light Beam. <i>Physical Review Letters</i> , 2008, 100, 086603.	7.8	28
39	Anisotropic topological magnetoelectric effect in axion insulators. <i>Physical Review B</i> , 2020, 101, .	3.2	26
40	Calculation of divergent photon absorption in ultrathin films of a topological insulator. <i>Physical Review B</i> , 2013, 88, .	3.2	24
41	Electrically tunable topological superconductivity and Majorana fermions in two dimensions. <i>Physical Review B</i> , 2016, 94, .	3.2	22
42	Magnetic quantum phase transition in Cr-doped $\text{Bi}_2(\text{SexTe}_{1-x})_3$ driven by the Stark effect. <i>Nature Nanotechnology</i> , 2017, 12, 953-957.	31.5	22
43	Intrinsic topological phases in $\text{Mn}_2\text{Te}$ tuned by the layer magnetization. <i>Physical Review B</i> , 2020, 102, .	3.2	21
44	In-plane magnetic-field-induced quantum anomalous Hall plateau transition. <i>Physical Review B</i> , 2019, 100, .	3.2	21
45	Simultaneous Electrical-Field-Effect Modulation of Both Top and Bottom Dirac Surface States of Epitaxial Thin Films of Three-Dimensional Topological Insulators. <i>Nano Letters</i> , 2015, 15, 1090-1094.	9.1	19
46	Interplay of Chiral and Helical States in a Quantum Spin Hall Insulator Lateral Junction. <i>Physical Review Letters</i> , 2017, 119, 226401.	7.8	17
47	Two-dimensional antimony selenide ( $\text{Sb}_2\text{Se}_3$ ) nanosheets prepared by hydrothermal method for visible-light photodetectors. <i>Solar Energy</i> , 2022, 233, 213-220.	6.1	13
48	Pressure engineering of colossal magnetoresistance in the ferrimagnetic nodal-line semiconductor $\text{Mn}_3\text{Sb}_2$ . <i>Physical Review B</i> , 2022, 106, .	3.2	13
49	Multiple Chiral Majorana Fermion Modes and Quantum Transport. <i>Physical Review Letters</i> , 2018, 121, 256801.	7.8	10
50	Large Low-Field Magnetoresistance (LFMR) Effect in Free-Standing $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28442-28450.	8.0	10
51	Resonant magneto-optic Kerr effect in the magnetic topological insulator $\text{Cr}_2\text{Te}_3$ . <i>Physical Review B</i> , 2015, 92, .	3.2	7
52	Elastic scattering of surface states on three-dimensional topological insulators. <i>Chinese Physics B</i> , 2013, 22, 067301.	1.4	6
53	Generation of Spin Currents by Magnetic Field in $\pi$ - and $2\pi$ -Broken Materials. <i>Spin</i> , 2019, 09, .	1.3	6
54	Nanopore-Patterned CuSe Drives the Realization of the $\text{PbSe}/\text{CuSe}$ Lateral Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32738-32746.	8.0	6

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55	Magnetic moiré surface states and flat Chern bands in topological insulators. <i>Physical Review B</i> , 2022, 106, .	3.2	6
56	Controllable Majorana fermions on domain walls of a magnetic topological insulator. <i>Physical Review B</i> , 2018, 98, .	3.2	5
57	Topological bands in two-dimensional orbital-active bipartite lattices. <i>Physical Review B</i> , 2021, 103, .	3.2	4
58	Epitaxial growth and room-temperature ferromagnetism of quasi-2D layered Cr <sub>4</sub> Te <sub>5</sub> thin film. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 165001.	2.8	4
59	Optical effects of spin currents in semiconductors. <i>Physical Review B</i> , 2012, 86, .	3.2	3
60	Distribution of conductances in chiral topological superconductor junctions. <i>Physical Review B</i> , 2019, 99, .	3.2	3
61	Chiral Majorana fermion. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 117302.	0.5	2
62	Direct Optical Detection of a Pure Spin Current in a Semiconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 53-56.	1.8	1
63	Dynamical magnetoelectric coupling in axion insulator thin films. <i>Physical Review B</i> , 2022, 105, .	3.2	1
64	Coherent spin control by electromagnetic vacuum fluctuations. <i>Physical Review A</i> , 2011, 83, .	2.5	0