Jing Wang

List of Publications by Year in descending order

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64	8,207	134610	120465
papers	citations	34 h-index	65 g-index

66	66	66	8999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epitaxial growth and room-temperature ferromagnetism of quasi-2D layered Cr₄Te₅ thin film. Journal Physics D: Applied Physics, 2022, 55, 165001.	1.3	4
2	Two-dimensional antimony selenide (Sb2Se3) nanosheets prepared by hydrothermal method for visible-light photodetectors. Solar Energy, 2022, 233, 213-220.	2.9	13
3	Dynamical magnetoelectric coupling in axion insulator thin films. Physical Review B, 2022, 105, .	1.1	1
4	Nanopore-Patterned CuSe Drives the Realization of the PbSeâ€“CuSe Lateral Heterostructure. ACS Applied Materials & Interfaces, 2022, 14, 32738-32746.	4.0	6
5	Pressure engineering of colossal magnetoresistance in the ferrimagnetic nodal-line semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>3</mml:mn></ Physical Review B, 2022, 106, .	1.1	13
6	Magnetic moirÃ© surface states and flat Chern bands in topological insulators. Physical Review B, 2022, 106, .	1.1	6
7	Topological bands in two-dimensional orbital-active bipartite lattices. Physical Review B, 2021, 103, .	1.1	4
8	Large Low-Field Magnetoresistance (LFMR) Effect in Free-Standing La0.7Sr0.3MnO3 Films. ACS Applied Materials & Interfaces, 2021, 13, 28442-28450.	4.0	10
9	Intrinsic topological phases in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></ tuned by the layer magnetization. Physical Review B, 2020, 102, .	1.1	22
10	Anisotropic topological magnetoelectric effect in axion insulators. Physical Review B, 2020, 101, .	1.1	26
11	Flat Chern Band from Twisted Bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2020, 124, 126402.	2.9	48
12	Large Dynamical Axion Field in Topological Antiferromagnetic Insulator Mn₂Bi₂Te₅. Chinese Physics Letters, 2020, 37, 077304.	1.3	42
13	Dynamical axion state with hidden pseudospin Chern numbers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></ -based heterostructures. Physical Review B, 2020, 101, .	1.1	31
14	Quantum anomalous Hall effect in intrinsic magnetic topological insulator MnBi ₂ Te ₄. Science, 2020, 367, 895-900.	6.0	909
15	Chiral Majorana fermion. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 117302.	0.2	2
16	In-plane magnetic-field-induced quantum anomalous Hall plateau transition. Physical Review B, 2019, 100, .	1.1	21
17	Topological Axion States in the Magnetic Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>MnBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ with the Quantized Magnetoelectric Effect. Physical Review Letters, 2019, 122, 206401.	2.9	554
18	Generation of Spin Currents by Magnetic Field in ?- and ?-Broken Materials. Spin, 2019, 09, .	0.6	6

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19	Distribution of conductances in chiral topological superconductor junctions. Physical Review B, 2019, 99, .	1.1	3
20	Quantum phase transition of chiral Majorana fermions in the presence of disorder. Physical Review B, 2018, 97, .	1.1	39
21	Multiple Chiral Majorana Fermion Modes and Quantum Transport. Physical Review Letters, 2018, 121, 256801.	2.9	10
22	Gate-tunable room-temperature ferromagnetism in two-dimensional Fe3GeTe2. Nature, 2018, 563, 94-99.	13.7	1,646
23	Controllable Majorana fermions on domain walls of a magnetic topological insulator. Physical Review B, 2018, 98, .	1.1	5
24	Antiferromagnetic Dirac semimetals in two dimensions. Physical Review B, 2017, 95, .	1.1	37
25	Topological states of condensed matter. Nature Materials, 2017, 16, 1062-1067.	13.3	135
26	Magnetic quantum phase transition in Cr-doped Bi2(SexTe1â^'x)3 driven by the Stark effect. Nature Nanotechnology, 2017, 12, 953-957.	15.6	22
27	Antiferromagnetic topological nodal line semimetals. Physical Review B, 2017, 96, .	1.1	29
28	Interplay of Chiral and Helical States in a Quantum Spin Hall Insulator Lateral Junction. Physical Review Letters, 2017, 119, 226401.	2.9	17
29	Thickness Dependence of the Quantum Anomalous Hall Effect in Magnetic Topological Insulator Films. Advanced Materials, 2016, 28, 6386-6390.	11.1	63
30	Electrically tunable topological superconductivity and Majorana fermions in two dimensions. Physical Review B, 2016, 94, .	1.1	22
31	Dynamical axion field in a magnetic topological insulator superlattice. Physical Review B, 2016, 93, .	1.1	40
32	Edge-state-induced Andreev oscillation in quantum anomalous Hall insulator-superconductor junctions. Physical Review B, 2016, 93, .	1.1	32
33	Quantized topological magnetoelectric effect of the zero-plateau quantum anomalous Hall state. Physical Review B, 2015, 92, .	1.1	152
34	Observation of the Zero Hall Plateau in a Quantum Anomalous Hall Insulator. Physical Review Letters, 2015, 115, 126801.	2.9	101
35	Chiral topological superconductor and half-integer conductance plateau from quantum anomalous Hall plateau transition. Physical Review B, 2015, 92, .	1.1	146
36	Resonant magneto-optic Kerr effect in the magnetic topological insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cr</mml:mi><mml:mo>:</mml:mo><mml:mo>(</mml:mo><mml:mc Physical Review B, 2015, 92, .	1.1	7

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37	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. Nature Communications, 2015, 6, 7252.	5.8	101
38	Quantum Anomalous Hall Effect in Magnetic Insulator Heterostructure. Nano Letters, 2015, 15, 2019-2023.	4.5	50
39	Simultaneous Electrical-Field-Effect Modulation of Both Top and Bottom Dirac Surface States of Epitaxial Thin Films of Three-Dimensional Topological Insulators. Nano Letters, 2015, 15, 1090-1094.	4.5	19
40	Electrically Tunable Magnetism in Magnetic Topological Insulators. Physical Review Letters, 2015, 115, 036805.	2.9	62
41	Quantum anomalous Hall effect in magnetic topological insulators. Physica Scripta, 2015, T164, 014003.	1.2	85
42	Metal-to-insulator switching in quantum anomalous Hall states. Nature Communications, 2015, 6, 8474.	5.8	136
43	Universal scaling of the quantum anomalous Hall plateau transition. Physical Review B, 2014, 89, .	1.1	109
44	Quantum Spin Hall and Quantum Anomalous Hall States Realized in Junction Quantum Wells. Physical Review Letters, 2014, 112, .	2.9	46
45	Two-dimensional time-reversal-invariant topological superconductivity in a doped quantum spin-Hall insulator. Physical Review B, 2014, 90, .	1.1	126
46	Topological States in Ferromagnetic CdO/EuO Superlattices and Quantum Wells. Physical Review Letters, 2014, 112, 096804.	2.9	70
47	Topological superconductivity at the edge of transition-metal dichalcogenides. Physical Review B, 2014, 90, .	1.1	31
48	Anomalous Edge Transport in the Quantum Anomalous Hall State. Physical Review Letters, 2013, 111, 086803.	2.9	78
49	Quantum Anomalous Hall Effect with Higher Plateaus. Physical Review Letters, 2013, 111, 136801.	2.9	137
50	Large-Gap Quantum Spin Hall Insulators in Tin Films. Physical Review Letters, 2013, 111, 136804.	2.9	1,140
51	Elastic scattering of surface states on three-dimensional topological insulators. Chinese Physics B, 2013, 22, 067301.	0.7	6
52	Calculation of divergent photon absorption in ultrathin films of a topological insulator. Physical Review B, 2013, 88, .	1.1	24
53	Optical effects of spin currents in semiconductors. Physical Review B, 2012, 86, .	1.1	3
54	Actinide Topological Insulator Materials with Strong Interaction. Science, 2012, 335, 1464-1466.	6.0	85

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55	Topological<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>junction. Physical Review B, 2012, 85, .	1.1	79
56	Topological Magnetic Insulators with Corundum Structure. Physical Review Letters, 2011, 106, 126403.	2.9	42
57	Coherent spin control by electromagnetic vacuum fluctuations. Physical Review A, 2011, 83, .	1.0	0
58	Power-law decay of standing waves on the surface of topological insulators. Physical Review B, 2011, 84, .	1.1	69
59	Landau Quantization of Topological Surface States in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Se</mml:mi><mml:mn Physical Review Letters, 2010, 105, 076801.	2.9	352
60	Direct Optical Detection of a Pure Spin Current inÂSemiconductor. Journal of Superconductivity and Novel Magnetism, 2010, 23, 53-56.	0.8	1
61	Dynamical axion field in topological magnetic insulators. Nature Physics, 2010, 6, 284-288.	6.5	403
62	Second-Order Nonlinear Optical Effects of Spin Currents. Physical Review Letters, 2010, 104, 256601.	2.9	44
63	Topological insulators for high-performance terahertz to infrared applications. Physical Review B, 2010, 82, .	1.1	185
64	Proposal for Direct Measurement of a Pure Spin Current by a Polarized Light Beam. Physical Review Letters, 2008, 100, 086603.	2.9	28