Jian Li

List of Publications by Year in Descending Order

43 papers	3,431 citations	26 h-index	45 g-index
45 ext. papers	4,212 ext. citations	9.6 avg, IF	5.34 L-index

#	Paper	IF	Citations
43	Exotic Vortex States with Discrete Rotational Symmetry in Atomic Fermi Gases with Spin-Orbital-Angular-Momentum Coupling. *Physical Review Letters*, **2021**, 126, 193401	7.4	1
42	Higher-Order Fabry-Pérot Interferometer from Topological Hinge States. *Physical Review Letters*, **2021**, 127, 026803	7.4	4
41	Zero-Bias Conductance Peaks Effectively Tuned by Gating-Controlled Rashba Spin-Orbit Coupling. *Physical Review Letters*, **2021**, 126, 057701	7.4	1
40	Theory of topological superconductivity based on Yu-Shiba-Rusinov states. *Wuli Xuebao/Acta Physica Sinica*, **2020**, 69, 117401	0.6	0
39	Topological Phase Transitions in Disordered Electric Quadrupole Insulators. *Physical Review Letters*, **2020**, 125, 166801	7.4	16
38	Observation of a Majorana zero mode in a topologically protected edge channel. *Science*, **2019**, 364, 1255-1259	33.3	64
37	Majorana-Josephson interferometer. *Physical Review B*, **2019**, 99,	3.3	8
36	A gap-protected zero-Hall effect state in the quantum limit of the non-symmorphic metal KHgSb. *Nature Materials*, **2019**, 18, 443-447	27	8
35	Higher-Order Topology, Monopole Nodal Lines, and the Origin of Large Fermi Arcs in Transition Metal Dichalcogenides XTe_{2} (X=Mo,W). *Physical Review Letters*, **2019**, 123, 186401	7.4	116
34	Temperature-driven topological transition in 1T′MoTe2. *Npj Quantum Materials*, **2018**, 3,	5	29
33	Quasiparticle interference of Fermi arc states in the type-II Weyl semimetal candidate WTe2. *Physical Review B*, **2018**, 97,	3.3	4
32	Majorana spin in magnetic atomic chain systems. *Physical Review B*, **2018**, 97,	3.3	21
31	Band Structure Perfection and Superconductivity in Type-II Dirac Semimetal Ir Pt Te. *Advanced Materials*, **2018**, 30, e1801556	24	28
30	Distinguishing a Majorana zero mode using spin-resolved measurements. *Science*, **2017**, 358, 772-776	33.3	121
29	High-resolution studies of the Majorana atomic chain platform. *Nature Physics*, **2017**, 13, 286-291	16.2	123
28	Large discrete jumps observed in the transition between Chern states in a ferromagnetic topological insulator. *Science Advances*, **2016**, 2, e1600167	14.3	43
27	Observation of the Quantum Anomalous Hall Insulator to Anderson Insulator Quantum Phase Transition and its Scaling Behavior. *Physical Review Letters*, **2016**, 117, 126802	7.4	30

26	Universal signatures of Fermi arcs in quasiparticle interference on the surface of Weyl semimetals. *Physical Review B*, **2016**, 93,	3.3	48
25	Imaging electronic states on topological semimetals using scanning tunneling microscopy. *New Journal of Physics*, **2016**, 18, 105003	2.9	17
24	Quasiparticle interference of the Fermi arcs and surface-bulk connectivity of a Weyl semimetal. *Science*, **2016**, 351, 1184-7	33.3	130
23	Manipulating Majorana zero modes on atomic rings with an external magnetic field. *Nature Communications*, **2016**, 7, 10395	17.4	45
22	Two-dimensional chiral topological superconductivity in Shiba lattices. *Nature Communications*, **2016**, 7, 12297	17.4	64
21	Detection of Majorana Kramers Pairs Using a Quantum Point Contact. *Physical Review Letters*, **2016**, 117, 046804	7.4	24
20	Topological matter. Observation of Majorana fermions in ferromagnetic atomic chains on a superconductor. *Science*, **2014**, 346, 602-7	33.3	1222
19	Universal transport properties of three-dimensional topological insulator nanowires. *Physical Review B*, **2014**, 89,	3.3	17
18	Topological superconductivity induced by ferromagnetic metal chains. *Physical Review B*, **2014**, 90,	3.3	94
17	Z2 peak of noise correlations in a quantum spin Hall insulator. *Physical Review Letters*, **2013**, 110, 246601	7.4	21
16	Fractional Josephson effect in a quadruple quantum dot. *New Journal of Physics*, **2013**, 15, 085018	2.9	10
15	Magnetic-field-induced localization in 2D topological insulators. *Physical Review Letters*, **2012**, 109, 246803	7.4	37
14	Topological Weyl semi-metal from a lattice model. *Europhysics Letters*, **2012**, 97, 67004	1.6	84
13	Scattering theory of chiral Majorana fermion interferometry. *Physical Review B*, **2012**, 85,	3.3	30
12	Marginal topological properties of graphene: a comparison with topological insulators. *Physica Scripta*, **2012**, T146, 014021	2.6	14
11	Topological origin of subgap conductance in insulating bilayer graphene. *Nature Physics*, **2011**, 7, 38-42	16.2	94
10	Gate-tuned normal and superconducting transport at the surface of a topological insulator. *Nature Communications*, **2011**, 2, 575	17.4	230
9	Marginality of bulk-edge correspondence for single-valley Hamiltonians. *Physical Review B*, **2010**, 82,	3.3	51

8	Topological Anderson insulator. *Physical Review Letters*, **2009**, 102, 136806	7.4	307
7	Coherent oscillations and giant edge magnetoresistance in singly connected topological insulators. *Physical Review B*, **2009**, 80,	3.3	30
6	Disorder effects in the quantum Hall effect of graphene pn junctions. *Physical Review B*, **2008**, 78,	3.3	39
5	Spin-current-induced charge accumulation and electric current in semiconductor nanostructures with Rashba spin-orbit coupling. *Physical Review B*, **2007**, 76,	3.3	25
4	Observation of electric current induced by optically injected spin current. *Applied Physics Letters*, **2007**, 90, 242115	3.4	40
3	Transverse electric current induced by optically injected spin current in a cross-shaped InGaAs/InAlAs system. *Applied Physics Letters*, **2006**, 88, 162105	3.4	24
2	Spin-resolved Hall effect driven by spin-orbit coupling. *Physical Review B*, **2005**, 71,	3.3	52
1	Charge Hall effect driven by spin-dependent chemical potential gradients and Onsager relations in mesoscopic systems. *Physical Review B*, **2005**, 72,	3.3	64