

Andrew C Potter

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,770
citations

94433

37
h-index

168389

53
g-index

53
all docs

53
docs citations

53
times ranked

4745
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a discrete time crystal. Nature, 2017, 543, 217-220.	27.8	764
2	Quantum oscillations from surface Fermi arcs in Weyl and Dirac semimetals. Nature Communications, 2014, 5, 5161.	12.8	448
3	Landau quantization and quasiparticle interference in the three-dimensional Dirac semimetal Cd ₃ As ₂ . Nature Materials, 2014, 13, 851-856.	27.5	421
4	Zero-Bias Peaks in the Tunneling Conductance of Spin-Orbit-Coupled Superconducting Wires with and without Majorana End-States. Physical Review Letters, 2012, 109, 267002.	7.8	387
5	Multichannel Generalization of Kitaev's Majorana End States and a Practical Route to Realize Them in Thin Films. Physical Review Letters, 2010, 105, 227003.	7.8	292
6	Transport evidence for Fermi-arc-mediated chirality transfer in the Dirac semimetal Cd ₃ As ₂ . Nature, 2016, 535, 266-270.	27.8	292
7	Universal Properties of Many-Body Delocalization Transitions. Physical Review X, 2015, 5, .	8.9	240
8	Classification of Interacting Electronic Topological Insulators in Three Dimensions. Science, 2014, 343, 629-631.	12.6	206
9	Quantum Hall effect based on Weyl orbits in Cd ₃ As ₂ . Nature, 2019, 565, 331-336.	27.8	194
10	Superconducting and Ferromagnetic Phases in SrTiO_3 Interface Structures: Possibility of Finite Momentum Pairing. Physical Review Letters, 2012, 108, 117003.	7.8	198
11	Classification of Interacting Topological Floquet Phases in One Dimension. Physical Review X, 2016, 6, .	8.9	181
12	Engineering a p - ip superconductor: Comparison of topological insulator and Rashba spin-orbit-coupled materials. Physical Review B, 2011, 83, .	3.2	174
13	Majorana end states in multiband microstructures with Rashba spin-orbit coupling. Physical Review B, 2011, 83, .	3.2	131
14	Gapped symmetry preserving surface state for the electron topological insulator. Physical Review B, 2013, 88, .	3.2	131
15	Chiral Floquet Phases of Many-Body Localized Bosons. Physical Review X, 2016, 6, .	8.9	111
16	Entanglement transitions from holographic random tensor networks. Physical Review B, 2019, 100, .	3.2	111
17	Symmetry constraints on many-body localization. Physical Review B, 2016, 94, .	3.2	96
18	Quantum Criticality of Hot Random Spin Chains. Physical Review Letters, 2015, 114, 217201.	7.8	94

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19	Floquet Symmetry-Protected Topological Phases in Cold-Atom Systems. <i>Physical Review Letters</i> , 2017, 119, 123601.	7.8	94
20	Scaling Theory of Entanglement at the Many-Body Localization Transition. <i>Physical Review Letters</i> , 2017, 119, 110604.	7.8	84
21	Topological superconductivity and Majorana fermions in metallic surface states. <i>Physical Review B</i> , 2012, 85, .	3.2	73
22	Superfluidity and Dimerization in a Multilayered System of Fermionic Polar Molecules. <i>Physical Review Letters</i> , 2010, 105, 220406.	7.8	70
23	Quantum oscillations from generic surface Fermi arcs and bulk chiral modes in Weyl semimetals. <i>Scientific Reports</i> , 2016, 6, 23741.	3.3	68
24	Particle-hole symmetry, many-body localization, and topological edge modes. <i>Physical Review B</i> , 2016, 93, .	3.2	60
25	Radical chiral Floquet phases in a periodically driven Kitaev model and beyond. <i>Physical Review B</i> , 2017, 96, .	3.2	58
26	Marginal Anderson localization and many-body delocalization. <i>Physical Review B</i> , 2014, 90, .	3.2	57
27	Logarithmically Slow Relaxation in Quasiperiodically Driven Random Spin Chains. <i>Physical Review Letters</i> , 2018, 120, 070602.	7.8	55
28	Magnetic torque anomaly in the quantum limit of Weyl semimetals. <i>Nature Communications</i> , 2016, 7, 12492.	12.8	54
29	Anomalous supercurrent from Majorana states in topological insulator Josephson junctions. <i>Physical Review B</i> , 2013, 88, .	3.2	53
30	Eigenstate phase transitions and the emergence of universal dynamics in highly excited states. <i>Annalen Der Physik</i> , 2017, 529, 1600302.	2.4	53
31	Dynamically enriched topological orders in driven two-dimensional systems. <i>Physical Review B</i> , 2017, 95, .	3.2	47
32	Interacting invariants for Floquet phases of fermions in two dimensions. <i>Physical Review B</i> , 2019, 99, .	3.2	45
33	Many-body localization in the presence of a small bath. <i>Physical Review B</i> , 2017, 95, .	3.2	44
34	Hanbury Brown–Twiss Interference of Anyons. <i>Physical Review Letters</i> , 2012, 109, 106802.	7.8	41
35	Mechanisms for sub-gap optical conductivity in Herbertsmithite. <i>Physical Review B</i> , 2013, 87, .	3.2	39
36	Symmetry-enforced fractonicity and two-dimensional quantum crystal melting. <i>Physical Review B</i> , 2019, 100, .	3.2	38

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37	Thermoelectric Transport Signatures of Dirac Composite Fermions in the Half-Filled Landau Level. Physical Review X, 2016, 6, .	8.9	37
38	Edge Ferromagnetism from Majorana Flat Bands: Application to Split Tunneling-Conductance Peaks in High- T_c Superconductors. Physical Review Letters, 2014, 112, 117002.	7.8	34
39	Variational Power of Quantum Circuit Tensor Networks. Physical Review X, 2022, 12, .	8.9	23
40	Realizing topological surface states in a lower-dimensional flat band. Physical Review B, 2017, 96, .	3.2	22
41	Localization-protected order in spin chains with non-Abelian discrete symmetries. Physical Review B, 2018, 98, .	3.2	21
42	Thermodynamic signature of Dirac electrons across a possible topological transition in $ZrTe_5$. Physical Review B, 2018, 97, .	3.2	19
43	Quantum Spin Liquids and the Metal-Insulator Transition in Doped Semiconductors. Physical Review Letters, 2012, 109, 077205.	7.8	17
44	Tracking the quantized information transfer at the edge of a chiral Floquet phase. Physical Review B, 2018, 98, .	3.2	13
45	Topological edge modes without symmetry in quasiperiodically driven spin chains. Physical Review B, 2022, 105, .	3.2	13
46	Infinite family of three-dimensional Floquet topological paramagnets. Physical Review B, 2018, 97, .	3.2	12
47	Stable non-Fermi-liquid phase of itinerant spin-orbit coupled ferromagnets. Physical Review B, 2015, 92, .	3.2	11
48	String order parameters for one-dimensional Floquet symmetry protected topological phases. Physical Review B, 2018, 97, .	3.2	10
49	Universal crossover from ground-state to excited-state quantum criticality. Physical Review B, 2017, 95, .	3.2	8
50	Superuniversality from disorder at two-dimensional topological phase transitions. Physical Review B, 2020, 102, .	3.2	5
51	Quantum Hall Network Models as Floquet Topological Insulators. Physical Review Letters, 2020, 125, 086601.	7.8	4
52	Fractal non-Fermi liquids from moiré Hofstadter phonons. Physical Review B, 2020, 102, .	3.2	1