

Bernd Rosenow

List of Publications by Year in descending order

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66
papers

3,455
citations

304743

22
h-index

138484

58
g-index

67
all docs

67
docs citations

67
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetry-related transport on a fractional quantum Hall edge. <i>Physical Review Research</i> , 2021, 3, .	3.6	4
2	Fractional Coulomb blockade for quasi-particle tunneling between edge channels. <i>Science Advances</i> , 2021, 7, .	10.3	7
3	Exponentially growing bulk Green functions as signature of nontrivial non-Hermitian winding number in one dimension. <i>Physical Review B</i> , 2021, 103, .	3.2	10
4	Bulk-Boundary Correspondence for Non-Hermitian Hamiltonians via Green Functions. <i>Physical Review Letters</i> , 2021, 126, 216407.	7.8	46
5	Partial Equilibration of the Anti-Pfaffian Edge due to Majorana Disorder. <i>Physical Review Letters</i> , 2020, 124, 126801.	7.8	27
6	Flux Superperiods and Periodicity Transitions in Quantum Hall Interferometers. <i>Physical Review Letters</i> , 2020, 124, 106805.	7.8	11
7	Topological Magnetolectric Effect: Nonlinear Time-Reversal-Symmetric Response, Witten Effect, and Half-Integer Quantum Hall Effect. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900698.	1.5	7
8	Electron pairing in the quantum Hall regime due to neutralon exchange. <i>Physical Review Research</i> , 2020, 2, .	3.6	4
9	Sub-periods and apparent pairing in integer quantum Hall interferometers. <i>Europhysics Letters</i> , 2019, 126, 67007.	2.0	6
10	Noise on complex quantum Hall edges: Chiral anomaly and heat diffusion. <i>Physical Review B</i> , 2019, 99, .	3.2	25
11	Voigt Exceptional Points in an Anisotropic ZnO-Based Planar Microcavity: Square-Root Topology, Polarization Vortices, and Circularity. <i>Physical Review Letters</i> , 2019, 123, 227401.	7.8	35
12	Evolution of the transmission phase through a Coulomb-blockaded Majorana wire. <i>Physical Review B</i> , 2018, 98, .	3.2	8
13	Incoherent transport on the $\nu = 1/2$ quantum Hall edge. <i>Physical Review B</i> , 2018, 98, .	3.2	8
14	Exceptional Points in the Dispersion of Optically Anisotropic Planar Microcavities. , 2018, , .		0
15	Exceptional points in anisotropic planar microcavities. <i>Physical Review A</i> , 2017, 95, .	2.5	22
16	Dissipation in mesoscale superfluids. <i>Physical Review B</i> , 2017, 95, .	3.2	2
17	Time-reversal-symmetric topological magnetoelectric effect in three-dimensional topological insulators. <i>Physical Review B</i> , 2017, 96, .	3.2	14
18	Transient Features in Charge Fractionalization, Local Equilibration and Non-equilibrium Bosonization. <i>SciPost Physics</i> , 2017, 2, .	4.9	4

#	ARTICLE	IF	CITATIONS
19	Cavity polariton condensate in a disordered environment. Physical Review B, 2016, 93, .	3.2	11
20	Current Correlations from a Mesoscopic Anyon Collider. Physical Review Letters, 2016, 116, 156802.	7.8	50
21	Reprint of : Thermodynamic properties of a quantum Hall anti-dot interferometer. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 145-150.	2.7	0
22	Thermodynamic properties of a quantum Hall anti-dot interferometer. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 82-87.	2.7	3
23	Noise due to neutral modes in the $\nu = 1/2$ quantum Hall state. Physical Review B, 2015, 91, .	3.2	6
24	Intermediate fixed point in a Luttinger liquid with elastic and dissipative backscattering. Physical Review B, 2015, 92, .	3.2	6
25	Enhanced Bulk-Edge Coulomb Coupling in Fractional Fabry-Perot Interferometers. Physical Review Letters, 2015, 115, 126807.	7.8	21
26	Critical flow and dissipation in a quasi-one-dimensional superfluid. Science Advances, 2015, 1, e1400222.	10.3	19
27	Quantenphysik angezapft. Physik in Unserer Zeit, 2015, 46, 215-216.	0.0	0
28	Suppression of dephasing and phase lapses in the fractional quantum Hall regime. Physical Review B, 2014, 89, .	3.2	0
29	Transmission Phase Lapses through a Quantum Dot in a Strong Magnetic Field. Physical Review Letters, 2014, 112, 246801.	7.8	3
30	Cancellation of quantum anomalies and bosonization of three-dimensional time-reversal symmetric topological insulators. Physical Review B, 2013, 88, .	3.2	11
31	Shot-Noise Signatures of Charge Fractionalization in the $\nu = 2$ Quantum Hall Edge. Physical Review Letters, 2013, 111, 136807.	7.8	22
32	Robustness of topological order in semiconductor-superconductor nanowires in the Coulomb blockade regime. New Journal of Physics, 2013, 15, 085003.	2.9	3
33	Superfluid Stiffness of a Driven Dissipative Condensate with Disorder. Physical Review Letters, 2013, 111, 230403.	7.8	36
34	Modulation of Majorana-Induced Current Cross-Correlations by Quantum Dots. Physical Review Letters, 2013, 111, 036802.	7.8	102
35	Splitting of the roton minimum in the $\nu = 5/2$ quantum Hall state. Physical Review B, 2012, 86, .	7.8	10
36	Dephasing by a Zero-Temperature Detector and the Friedel Sum Rule. Physical Review Letters, 2012, 108, 256805.	7.8	10

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37	Proposed Detection of the Topological Phase in Ring-Shaped Semiconductor-Superconductor Nanowires Using Coulomb Blockade Transport. <i>Physical Review Letters</i> , 2012, 109, 227001.	7.8	9
38	Incoherent Scatterer in a Luttinger Liquid: A New Paradigmatic Limit. <i>Physical Review Letters</i> , 2012, 108, 136401.	7.8	10
39	Signatures of Non-Abelian Statistics in Nonlinear Coulomb Blockade Transport. <i>Physical Review Letters</i> , 2011, 106, 136801.	7.8	9
40	Gapless Excitations in Strongly Fluctuating Superconducting Wires. <i>Physical Review Letters</i> , 2011, 107, 227004.	7.8	0
41	Theory of the Fabry-Pérot quantum Hall interferometer. <i>Physical Review B</i> , 2011, 83, .	3.2	111
42	Neutral mode heat transport and fractional quantum Hall shot noise. <i>Physical Review B</i> , 2011, 84, .	3.2	13
43	Dynamical Conductivity at the Dirty Superconductor-Metal Quantum Phase Transition. <i>Physical Review Letters</i> , 2010, 105, 145702.	7.8	23
44	Signatures of neutral quantum Hall modes in transport through low-density constrictions. <i>Physical Review B</i> , 2010, 81, .	3.2	12
45	Interference, Coulomb blockade, and the identification of non-Abelian quantum Hall states. <i>Physical Review B</i> , 2010, 82, .	3.2	34
46	Exact solution for bulk-edge coupling in the non-Abelian $\nu=5/2$ quantum Hall interferometer. <i>Physical Review B</i> , 2009, 80, .	3.2	35
47	Theory of the pairbreaking superconductor-metal transition in nanowires. <i>Annals of Physics</i> , 2009, 324, 523-583.	2.8	18
48	Determining the optimal dimensionality of multivariate volatility models with tools from random matrix theory. <i>Journal of Economic Dynamics and Control</i> , 2008, 32, 279-302.	1.6	14
49	Universal thermal and electrical transport near the superconductor-metal quantum phase transition in nanowires. <i>Physical Review B</i> , 2008, 77, .	3.2	24
50	Infinite Randomness Fixed Point of the Superconductor-Metal Quantum Phase Transition. <i>Physical Review Letters</i> , 2008, 101, 035701.	7.8	30
51	Particle-Hole Symmetry and the Pfaffian State. <i>Physical Review Letters</i> , 2007, 99, 236806.	7.8	347
52	Frequency-temperature crossover in the conductivity of disordered Luttinger liquids. <i>Physical Review B</i> , 2007, 76, .	3.2	4
53	Large stock price changes: volume or liquidity?. <i>Quantitative Finance</i> , 2006, 6, 7-14.	1.7	74
54	Dynamics of cross-correlations in the stock market. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 324, 241-246.	2.6	35

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55	Nonuniversal Behavior of Scattering between Fractional Quantum Hall Edges. Physical Review Letters, 2002, 88, 096404.	7.8	44
56	FLUCTUATIONS AND MARKET FRICTION IN FINANCIAL TRADING. International Journal of Modern Physics C, 2002, 13, 419-425.	1.7	27
57	Random matrix approach to cross correlations in financial data. Physical Review E, 2002, 65, 066126.	2.1	758
58	Random magnets and correlations of stock price fluctuations. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 762-767.	2.6	12
59	Quantifying and interpreting collective behavior in financial markets. Physical Review E, 2001, 64, 035106.	2.1	154
60	QUANTUM HALL STRIPES: CHERN-SIMONS THEORY AND ORIENTATIONAL MECHANISMS. International Journal of Modern Physics B, 2001, 15, 1905-1914.	2.0	9
61	Econophysics: What can physicists contribute to economics?. AIP Conference Proceedings, 2000, , .	0.4	0
62	Econophysics: financial time series from a statistical physics point of view. Physica A: Statistical Mechanics and Its Applications, 2000, 279, 443-456.	2.6	138
63	ECONOPHYSICS: WHAT CAN PHYSICISTS CONTRIBUTE TO ECONOMICS?. International Journal of Theoretical and Applied Finance, 2000, 03, 335-346.	0.5	9
64	APPLICATION OF RANDOM MATRIX THEORY TO STUDY CROSS-CORRELATIONS OF STOCK PRICES. International Journal of Theoretical and Applied Finance, 2000, 03, 399-403.	0.5	14
65	Universal and Nonuniversal Properties of Cross Correlations in Financial Time Series. Physical Review Letters, 1999, 83, 1471-1474.	7.8	913
66	Modelling Correlations in Credit Portfolio Risk. SSRN Electronic Journal, 0, , .	0.4	1