Bernd Rosenow

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10485720/publications.pdf

Version: 2024-02-01

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	Universal and Nonuniversal Properties of Cross Correlations in Financial Time Series. Physical Review Letters, 1999, 83, 1471-1474.	7.8	913
2	Random matrix approach to cross correlations in financial data. Physical Review E, 2002, 65, 066126.	2.1	758
3	Particle-Hole Symmetry and the Pfaffian State. Physical Review Letters, 2007, 99, 236806.	7.8	347
4	Quantifying and interpreting collective behavior in financial markets. Physical Review E, 2001, 64, 035106.	2.1	154
5	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
6	Theory of the Fabry-PÃ©rot quantum Hall interferometer. Physical Review B, 2011, 83, .	3.2	111
7	Modulation of Majorana-Induced Current Cross-Correlations by Quantum Dots. Physical Review Letters, 2013, 111, 036802.	7.8	102
8	Large stock price changes: volume or liquidity?. Quantitative Finance, 2006, 6, 7-14.	1.7	74
9	Current Correlations from a Mesoscopic Anyon Collider. Physical Review Letters, 2016, 116, 156802.	7.8	50
10	Bulk-Boundary Correspondence for Non-Hermitian Hamiltonians via Green Functions. Physical Review Letters, 2021, 126, 216407.	7.8	46
11	Nonuniversal Behavior of Scattering between Fractional Quantum Hall Edges. Physical Review Letters, 2002, 88, 096404.	7.8	44
12	Superfluid Stiffness of a Driven Dissipative Condensate with Disorder. Physical Review Letters, 2013, 111, 230403.	7.8	36
13	Incoherent transport on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> quantum Hall edge. Physical Review B, 2018, 98, .	3.2	36
14	Dynamics of cross-correlations in the stock market. Physica A: Statistical Mechanics and Its Applications, 2003, 324, 241-246.	2.6	35
15	Exact solution for bulk-edge coupling in the non-AbelianÎ½=5/2quantum Hall interferometer. Physical Review B, 2009, 80, .	3.2	35
16	Voigt Exceptional Points in an Anisotropic ZnO-Based Planar Microcavity: Square-Root Topology, Polarization Vortices, and Circularity. Physical Review Letters, 2019, 123, 227401.	7.8	35
17	Interference, Coulomb blockade, and the identification of non-Abelian quantum Hall states. Physical Review B, 2010, 82, .	3.2	34
18	Infinite Randomness Fixed Point of the Superconductor-Metal Quantum Phase Transition. Physical Review Letters, 2008, 101, 035701.	7.8	30

#	Article	IF	Citations
19	FLUCTUATIONS AND MARKET FRICTION IN FINANCIAL TRADING. International Journal of Modern Physics C, 2002, 13, 419-425.	1.7	27
20	Partial Equilibration of the Anti-Pfaffian Edge due to Majorana Disorder. Physical Review Letters, 2020, 124, 126801.	7.8	27
21	Noise on complex quantum Hall edges: Chiral anomaly and heat diffusion. Physical Review B, 2019, 99, .	3.2	25
22	Universal thermal and electrical transport near the superconductor-metal quantum phase transition in nanowires. Physical Review B, 2008, 77, .	3.2	24
23	Dynamical Conductivity at the Dirty Superconductor-Metal Quantum Phase Transition. Physical Review Letters, 2010, 105, 145702.	7.8	23
24	Shot-Noise Signatures of Charge Fractionalization in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math>Quantum Hall Edge. Physical Review Letters, 2013, 111, 136807.	7.8	22
25	Exceptional points in anisotropic planar microcavities. Physical Review A, 2017, 95, .	2.5	22
26	Enhanced Bulk-Edge Coulomb Coupling in Fractional Fabry-Perot Interferometers. Physical Review Letters, 2015, 115, 126807.	7.8	21
27	Critical flow and dissipation in a quasiâ€“one-dimensional superfluid. Science Advances, 2015, 1, e1400222.	10.3	19
28	Theory of the pairbreaking superconductorâ€“metal transition in nanowires. Annals of Physics, 2009, 324, 523-583.	2.8	18
29	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
30	Determining the optimal dimensionality of multivariate volatility models with tools from random matrix theory. Journal of Economic Dynamics and Control, 2008, 32, 279-302.	1.6	14
31	Time-reversal-symmetric topological magnetoelectric effect in three-dimensional topological insulators. Physical Review B, 2017, 96, .	3.2	14
32	Neutral mode heat transport and fractional quantum Hall shot noise. Physical Review B, 2011, 84, .	3.2	13
33	Random magnets and correlations of stock price fluctuations. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 762-767.	2.6	12
34	Signatures of neutral quantum Hall modes in transport through low-density constrictions. Physical Review B, 2010, 81, .	3.2	12
35	Cancellation of quantum anomalies and bosonization of three-dimensional time-reversal symmetric topological insulators. Physical Review B, 2013, 88, .	3.2	11
36	Cavity polariton condensate in a disordered environment. Physical Review B, 2016, 93, .	3.2	11

#	Article	IF	Citations
37	Flux Superperiods and Periodicity Transitions in Quantum Hall Interferometers. Physical Review Letters, 2020, 124, 106805.	7.8	11
38	Dephasing by a Zero-Temperature Detector and the Friedel Sum Rule. Physical Review Letters, 2012, 108, 256805.	7.8	10
39	Incoherent Scatterer in a Luttinger Liquid: A New Paradigmatic Limit. Physical Review Letters, 2012, 108, 136401.	7.8	10
40	Exponentially growing bulk Green functions as signature of nontrivial non-Hermitian winding number in one dimension. Physical Review B, 2021, 103, .	3.2	10
41	ECONOPHYSICS: WHAT CAN PHYSICISTS CONTRIBUTE TO ECONOMICS?. International Journal of Theoretical and Applied Finance, 2000, 03, 335-346.	0.5	9
42	QUANTUM HALL STRIPES: CHERNâ€“SIMONS THEORY AND ORIENTATIONAL MECHANISMS. International Journal of Modern Physics B, 2001, 15, 1905-1914.	2.0	9
43	Signatures of Non-Abelian Statistics in Nonlinear Coulomb Blockade Transport. Physical Review Letters, 2011, 106, 136801.	7.8	9
44	Proposed Detection of the Topological Phase in Ring-Shaped Semiconductor-Superconductor Nanowires Using Coulomb Blockade Transport. Physical Review Letters, 2012, 109, 227001.	7.8	9
45	Evolution of the transmission phase through a Coulomb-blockaded Majorana wire. Physical Review B, 2018, 98, .	3.2	8
46	Topological Magnetoelectric Effect: Nonlinear Timeâ€Reversalâ€Symmetric Response, Witten Effect, and Halfâ€Integer Quantum Hall Effect. Physica Status Solidi (B): Basic Research, 2020, 257, 1900698.	1.5	7
47	Fractional Coulomb blockade for quasi-particle tunneling between edge channels. Science Advances, 2021, 7, .	10.3	7
48	Noise due to neutral modes in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn> quantum Hall state. Physical Review B, 2015, 91, .	3.2	6
49	Intermediate fixed point in a Luttinger liquid with elastic and dissipative backscattering. Physical Review B, 2015, 92, .	3.2	6
50	Sub-periods and apparent pairing in integer quantum Hall interferometers. Europhysics Letters, 2019, 126, 67007.	2.0	6
51	Frequency-temperature crossover in the conductivity of disordered Luttinger liquids. Physical Review B, 2007, 76, .	3.2	4
52	Symmetry-related transport on a fractional quantum Hall edge. Physical Review Research, 2021, 3, .	3.6	4
53	Electron pairing in the quantum Hall regime due to neutralon exchange. Physical Review Research, 2020, 2, .	3.6	4
54	Transient Features in Charge Fractionalization, Local Equilibration and Non-equilibrium Bosonization. SciPost Physics, 2017, 2, .	4.9	4

#	Article	IF	Citations
55	Splitting of the roton minimum in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î½</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> state. Physical Review B, 2012, 86, .	3.2	3
56	Robustness of topological order in semiconductorâ€“superconductor nanowires in the Coulomb blockade regime. New Journal of Physics, 2013, 15, 085003.	2.9	3
57	Transmission Phase Lapses through a Quantum Dot in a Strong Magnetic Field. Physical Review Letters, 2014, 112, 246801.	7.8	3
58	Thermodynamic properties of a quantum Hall anti-dot interferometer. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 82-87.	2.7	3
59	Dissipation in mesoscale superfluids. Physical Review B, 2017, 95, .	3.2	2
60	Modelling Correlations in Credit Portfolio Risk. SSRN Electronic Journal, 0, , .	0.4	1
61	Econophysics: What can physicists contribute to economics?. AIP Conference Proceedings, 2000, , .	0.4	0
62	Gapless Excitations in Strongly Fluctuating Superconducting Wires. Physical Review Letters, 2011, 107, 227004.	7.8	0
63	Suppression of dephasing and phase lapses in the fractional quantum Hall regime. Physical Review B, 2014, 89, .	3.2	0
64	Quantenphysik angezapft. Physik in Unserer Zeit, 2015, 46, 215-216.	0.0	0
65	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
66	Exceptional Points in the Dispersion of Optically Anisotropic Planar Microcavities. , 2018, , .		0