

Alexander D Mirlin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7174578/publications.pdf>

Version: 2024-02-01

230
papers

12,937
citations

23500

58
h-index

27345

106
g-index

231
all docs

231
docs citations

231
times ranked

4835
citing authors

#	ARTICLE	IF	CITATIONS
1	Anderson transitions. <i>Reviews of Modern Physics</i> , 2008, 80, 1355-1417.	16.4	1,485
2	Interacting Electrons in Disordered Wires: Anderson Localization and Low-T Transport. <i>Physical Review Letters</i> , 2005, 95, 206603.	2.9	715
3	Statistics of energy levels and eigenfunctions in disordered systems. <i>Physics Reports</i> , 2000, 326, 259-382.	10.3	619
4	Electron transport in disordered graphene. <i>Physical Review B</i> , 2006, 74, .	1.1	420
5	Transition from localized to extended eigenstates in the ensemble of power-law random banded matrices. <i>Physical Review E</i> , 1996, 54, 3221-3230.	0.8	324
6	Theory of microwave-induced oscillations in the magnetoconductivity of a two-dimensional electron gas. <i>Physical Review B</i> , 2005, 71, .	1.1	295
7	Scaling properties of localization in random band matrices: A β -model approach. <i>Physical Review Letters</i> , 1991, 67, 2405-2409.	2.9	233
8	Fluctuations of the Inverse Participation Ratio at the Anderson Transition. <i>Physical Review Letters</i> , 2000, 84, 3690-3693.	2.9	202
9	Multifractality and critical fluctuations at the Anderson transition. <i>Physical Review B</i> , 2000, 62, 7920-7933.	1.1	195
10	Nonequilibrium phenomena in high Landau levels. <i>Reviews of Modern Physics</i> , 2012, 84, 1709-1763.	16.4	184
11	Cyclotron-Resonance Harmonics in the ac Response of a 2D Electron Gas with Smooth Disorder. <i>Physical Review Letters</i> , 2003, 91, 226802.	2.9	159
12	Quantum Criticality and Minimal Conductivity in Graphene with Long-Range Disorder. <i>Physical Review Letters</i> , 2007, 98, 256801.	2.9	145
13	Hydrodynamics in graphene: Linear-response transport. <i>Physical Review B</i> , 2015, 91, .	1.1	139
14	STATISTICAL PROPERTIES OF EIGENFUNCTIONS OF RANDOM QUASI 1D ONE-PARTICLE HAMILTONIANS. <i>International Journal of Modern Physics B</i> , 1994, 08, 3795-3842.	1.0	137
15	Counting Statistics for Arbitrary Cycles in Quantum Pumps. <i>Physical Review Letters</i> , 2001, 87, 276803.	2.9	136
16	Many-body localization and delocalization in large quantum chains. <i>Physical Review B</i> , 2018, 98, .	1.1	133
17	Universality of level correlation function of sparse random matrices. <i>Journal of Physics A</i> , 1991, 24, 2273-2286.	1.6	129
18	Theory of anomalous quantum Hall effects in graphene. <i>Physical Review B</i> , 2008, 77, .	1.1	124

#	ARTICLE	IF	CITATIONS
19	Exact Relations between Multifractal Exponents at the Anderson Transition. Physical Review Letters, 2006, 97, 046803.	2.9	123
20	Distribution of local densities of states, order parameter function, and critical behavior near the Anderson transition. Physical Review Letters, 1994, 72, 526-529.	2.9	120
21	Interaction-Induced Criticality in $\langle \mathbb{Z}^2 \rangle$ Topological Insulators. Physical Review Letters, 2010, 105, 036803.	2.9	120
22	Fluctuations of Conductance Peak Spacings in the Coulomb Blockade Regime: Role of Electron-Electron Interaction. Physical Review Letters, 1997, 78, 2449-2452.	2.9	118
23	Mesoscopic fluctuations of eigenfunctions and level-velocity distribution in disordered metals. Physical Review B, 1995, 51, 13403-13409.	1.1	116
24	Collision-dominated nonlinear hydrodynamics in graphene. Physical Review B, 2015, 92, .	1.1	107
25	Enhancement of the Critical Temperature of Superconductors by Anderson Localization. Physical Review Letters, 2012, 108, 017002.	2.9	102
26	Conductance Fluctuations of Disordered Wires: Fourier Analysis on Supersymmetric Spaces. Annals of Physics, 1994, 236, 325-373.	1.0	100
27	Localization of charged quantum particles in a static random magnetic field. Physical Review B, 1994, 49, 16609-16613.	1.1	98
28	Conductivity of a generic helical liquid. Physical Review B, 2014, 90, .	1.1	97
29	Diffusion and Criticality in Undoped Graphene with Resonant Scatterers. Physical Review Letters, 2010, 105, 266803.	2.9	96
30	Quasiclassical Negative Magnetoresistance of a 2D Electron Gas: Interplay of Strong Scatterers and Smooth Disorder. Physical Review Letters, 2001, 87, 126805.	2.9	95
31	Hydrodynamic Approach to Electronic Transport in Graphene. Annalen Der Physik, 2017, 529, 1700043.	0.9	94
32	Localization transition in the Anderson model on the Bethe lattice: Spontaneous symmetry breaking and correlation functions. Nuclear Physics B, 1991, 366, 507-532.	0.9	93
33	Anderson localization and ergodicity on random regular graphs. Physical Review B, 2016, 94, .	1.1	93
34	Interaction-induced magnetoresistance in a two-dimensional electron gas. Physical Review B, 2004, 69, .	1.1	91
35	Analytic theory of ballistic transport in disordered graphene. Physical Review B, 2009, 79, .	1.1	91
36	Charge Transport in Graphene with Resonant Scatterers. Physical Review Letters, 2010, 104, 076802.	2.9	89

#	ARTICLE	IF	CITATIONS
37	Localization in ensemble of sparse random matrices. Physical Review Letters, 1991, 67, 2049-2052.	2.9	88
38	Bosonization of one-dimensional fermions out of equilibrium. Physical Review B, 2010, 81, .	1.1	87
39	Microwave photoconductivity of a two-dimensional electron gas: Mechanisms and their interplay at high radiation power. Physical Review B, 2007, 75, .	1.1	81
40	Interaction-Induced Magnetoresistance: From the Diffusive to the Ballistic Regime. Physical Review Letters, 2003, 90, 076801.	2.9	80
41	Mechanisms of the microwave photoconductivity in two-dimensional electron systems with mixed disorder. Physical Review B, 2009, 80, .	1.1	80
42	Strong Magnetoresistance Induced by Long-Range Disorder. Physical Review Letters, 1999, 83, 2801-2804.	2.9	77
43	Electron-Electron Interaction in the Magnetoresistance of Graphene. Physical Review Letters, 2012, 108, 106601.	2.9	77
44	Analytical derivation of the scaling law for the inverse participation ratio in quasi-one-dimensional disordered systems. Physical Review Letters, 1992, 69, 1093-1096.	2.9	75
45	Coulomb interaction in graphene: Relaxation rates and transport. Physical Review B, 2011, 83, .	1.1	75
46	Multifractality of wave functions at the quantum Hall transition revisited. Physical Review B, 2001, 64, .	1.1	73
47	Localization and fluctuations of local spectral density on treelike structures with large connectivity: Application to the quasiparticle line shape in quantum dots. Physical Review B, 1997, 56, 13393-13404.	1.1	72
48	Giant Magnetodrag in Graphene at Charge Neutrality. Physical Review Letters, 2013, 111, 166601.	2.9	69
49	Statistical properties of random banded matrices with strongly fluctuating diagonal elements. Physical Review B, 1995, 52, R11580-R11583.	1.1	68
50	Fractality of wave functions on a Cayley tree: Difference between tree and locally treelike graph without boundary. Physical Review B, 2016, 94, .	1.1	68
51	Quasiclassical magnetotransport in a random array of antidots. Physical Review B, 2001, 64, .	1.1	67
52	Conductivity of suspended graphene at the Dirac point. Physical Review B, 2012, 86, .	1.1	67
53	Multifractality at the Quantum Hall Transition: Beyond the Parabolic Paradigm. Physical Review Letters, 2008, 101, 116803.	2.9	65
54	The statistics of eigenvector components of random band matrices: analytical results. Journal of Physics A, 1993, 26, L551-L558.	1.6	61

#	ARTICLE	IF	CITATIONS
55	Many-body localization transition with power-law interactions: Statistics of eigenstates. Physical Review B, 2018, 97, .	1.1	61
56	Semiclassical theory of transport in a random magnetic field. Physical Review B, 1999, 60, 8951-8969.	1.1	60
57	Dimensionality dependence of the wave-function statistics at the Anderson transition. Physical Review B, 2002, 66, .	1.1	59
58	Oscillatory ac conductivity and photoconductivity of a two-dimensional electron gas: Quasiclassical transport beyond the Boltzmann equation. Physical Review B, 2004, 70, .	1.1	58
59	Dephasing and Weak Localization in Disordered Luttinger Liquid. Physical Review Letters, 2005, 95, 046404.	2.9	58
60	Coulomb Drag in Graphene Near the Dirac Point. Physical Review Letters, 2013, 110, 026601.	2.9	57
61	Transversal magnetoresistance in Weyl semimetals. Physical Review B, 2015, 92, .	1.1	57
62	Statistics of eigenstates near the localization transition on random regular graphs. Physical Review B, 2019, 99, .	1.1	57
63	Level-to-level fluctuations of the inverse participation ratio in finite quasi 1D disordered systems. Physical Review Letters, 1993, 71, 412-415.	2.9	55
64	Quantum Billiards with Surface Scattering: Ballistic Sigma-Model Approach. Physical Review Letters, 1998, 80, 4161-4164.	2.9	54
65	Many-body delocalization dynamics in long Aubry-Andr� quasiperiodic chains. Physical Review B, 2019, 100, .	1.1	54
66	Electron transport in a disordered Luttinger liquid. Physical Review B, 2007, 75, .	1.1	53
67	Nonequilibrium Luttinger Liquid: Zero-Bias Anomaly and Dephasing. Physical Review Letters, 2008, 101, 126802.	2.9	52
68	Interaction effects on magneto-oscillations in a two-dimensional electron gas. Physical Review B, 2006, 73, .	1.1	50
69	Quantum elasticity of graphene: Thermal expansion coefficient and specific heat. Physical Review B, 2016, 94, .	1.1	50
70	Energy transport in the Anderson insulator. Physical Review B, 2016, 93, .	1.1	48
71	A novel field theoretical approach to the Anderson localization : sparse random hopping model. Journal De Physique, I, 1992, 2, 1571-1605.	1.2	47
72	Conductivity of disordered graphene at half filling. European Physical Journal: Special Topics, 2007, 148, 63-72.	1.2	47

#	ARTICLE	IF	CITATIONS
73	Theory of Fractional Microwave-Induced Resistance Oscillations. Physical Review Letters, 2007, 99, 206805.	2.9	46
74	Metal-insulator transition in two-dimensional random fermion systems of chiral symmetry classes. Physical Review B, 2012, 85, .	1.1	46
75	Statistical properties of one-point Green functions in disordered systems and critical behavior near the Anderson transition. Journal De Physique, I, 1994, 4, 655-673.	1.2	45
76	Interaction-induced dephasing of Aharonov-Bohm oscillations. Physical Review B, 2004, 69, .	1.1	45
77	Stress-controlled Poisson ratio of a crystalline membrane: Application to graphene. Physical Review B, 2018, 97, .	1.1	45
78	Weiss oscillations in the presence of small-angle impurity scattering. Physical Review B, 1998, 58, 12986-12992.	1.1	44
79	Superconductor-insulator transitions: Phase diagram and magnetoresistance. Physical Review B, 2015, 92, .	1.1	44
80	Transport in a disordered $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml105" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle^{1/2} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle^2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle^{\hat{\ast}} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle^3 \langle \text{mml:mn} \rangle$ fractional quantum Hall junction. Annals of Physics, 2017, 385, 287-327.	1.0	44
81	Composite Fermions in a Long-Range Random Magnetic Field: Quantum Hall Effect versus Shubnikovâ€™de Haas Oscillations. Physical Review Letters, 1998, 80, 2429-2432.	2.9	42
82	Multifractality at Anderson Transitions with Coulomb Interaction. Physical Review Letters, 2013, 111, 066601.	2.9	42
83	Correlations of eigenfunctions in disordered systems. Physical Review E, 1997, 55, 6514-6518.	0.8	41
84	Strong eigenfunction correlations near the Anderson-localization transition. Physical Review B, 1997, 55, R16001-R16004.	1.1	41
85	Tunneling spectroscopy of Luttinger-liquid structures far from equilibrium. Physical Review B, 2009, 80, .	1.1	40
86	Multifractality of wave functions on a Cayley tree: From root to leaves. Physical Review B, 2017, 96, .	1.1	40
87	Instanton vacuum at non-zero temperatures. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 203, 299-304.	1.5	39
88	Wave function multifractality and dephasing at metalâ€™insulator and quantum Hall transitions. Annals of Physics, 2011, 326, 1457-1478.	1.0	39
89	Single-Particle Relaxation in a Random Magnetic Field. Europhysics Letters, 1995, 29, 239-244.	0.7	37
90	Density of quasiparticle states for a two-dimensional disordered system: Metallic, insulating, and critical behavior in the class-D thermal quantum Hall effect. Physical Review B, 2007, 75, .	1.1	37

#	ARTICLE	IF	CITATIONS
91	Full Counting Statistics of a Luttinger Liquid Conductor. <i>Physical Review Letters</i> , 2010, 105, 256802.	2.9	37
92	Non-equilibrium 1D many-body problems and asymptotic properties of Toeplitz determinants. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 165003.	0.7	37
93	Surface Criticality and Multifractality at Localization Transitions. <i>Physical Review Letters</i> , 2006, 96, 126802.	2.9	36
94	Half-integer quantum Hall effect of disordered Dirac fermions at a topological insulator surface. <i>Physical Review B</i> , 2014, 90, .	1.1	36
95	Rippling and crumpling in disordered free-standing graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	36
96	Synthesizing a $\hat{\nu}=2/3$ fractional quantum Hall effect edge state from counter-propagating $\hat{\nu}=1$ and $\hat{\nu}=1/3$ states. <i>Nature Communications</i> , 2019, 10, 1920.	5.8	36
97	Wavefunction statistics and multifractality at the spin quantum Hall transition. <i>Journal of Physics A</i> , 2003, 36, 3255-3279.	1.6	35
98	Dynamics of waves in one-dimensional electron systems: Density oscillations driven by population inversion. <i>Physical Review B</i> , 2013, 87, .	1.1	35
99	From Anderson localization on random regular graphs to many-body localization. <i>Annals of Physics</i> , 2021, 435, 168525.	1.0	35
100	Distribution of local density of states in disordered metallic samples: Logarithmically normal asymptotics. <i>Physical Review B</i> , 1996, 53, 1186-1192.	1.1	34
101	Slow Many-Body Delocalization beyond One Dimension. <i>Physical Review Letters</i> , 2020, 125, 155701.	2.9	34
102	Novel symmetry of a random matrix ensemble: Partially broken spin rotation invariance. <i>Physical Review Letters</i> , 1994, 72, 1894-1897.	2.9	33
103	Bosonization out of equilibrium. <i>Europhysics Letters</i> , 2010, 90, 37003.	0.7	33
104	Classification and symmetry properties of scaling dimensions at Anderson transitions. <i>Physical Review B</i> , 2013, 87, .	1.1	33
105	Spectral diffusion and scaling of many-body delocalization transitions. <i>Annalen Der Physik</i> , 2017, 529, 1600360.	0.9	33
106	Symmetries of Multifractal Spectra and Field Theories of Anderson Localization. <i>Physical Review Letters</i> , 2011, 107, 086403.	2.9	32
107	Differential Poisson's ratio of a crystalline two-dimensional membrane. <i>Annals of Physics</i> , 2018, 396, 119-136.	1.0	32
108	Compressibility of a two-dimensional electron gas under microwave radiation. <i>Physical Review B</i> , 2004, 70, .	1.1	31

#	ARTICLE	IF	CITATIONS
109	Theory of microwave-induced photocurrent and photovoltage magneto-oscillations in a spatially nonuniform two-dimensional electron gas. <i>Physical Review B</i> , 2009, 80, .	1.1	31
110	On the density of states of sparse random matrices. <i>Journal of Physics A</i> , 1991, 24, 2219-2223.	1.6	29
111	Velocity Shift of Surface Acoustic Waves due to Interaction with Composite Fermions in a Modulated Structure. <i>Physical Review Letters</i> , 1998, 81, 1070-1073.	2.9	29
112	Tunneling into a nonequilibrium Luttinger liquid with impurity. <i>Physical Review B</i> , 2010, 81, .	1.1	29
113	Spatial structure of anomalously localized states in disordered conductors. <i>Journal of Mathematical Physics</i> , 1997, 38, 1888-1917.	0.5	28
114	Fluctuations of the number of energy levels at the mobility edge. <i>Physical Review B</i> , 1995, 51, 6131-6134.	1.1	27
115	Multifractality at the spin quantum Hall transition. <i>Physical Review B</i> , 2003, 67, .	1.1	27
116	Many-body delocalization transition and relaxation in a quantum dot. <i>Physical Review B</i> , 2016, 93, .	1.1	27
117	Topological Classification of Shot Noise on Fractional Quantum Hall Edges. <i>Physical Review Letters</i> , 2019, 123, 137701.	2.9	27
118	Zero-frequency anomaly in quasiclassical ac transport: Memory effects in a two-dimensional metal with a long-range random potential or random magnetic field. <i>Physical Review B</i> , 2000, 61, 13774-13784.	1.1	26
119	Density of States in a Two-Dimensional Chiral Metal with Vacancies. <i>Physical Review Letters</i> , 2014, 113, 186803.	2.9	26
120	Vanishing Thermal Equilibration for Hole-Conjugate Fractional Quantum Hall States in Graphene. <i>Physical Review Letters</i> , 2021, 126, 216803.	2.9	26
121	Composite Fermions in the Fractional Quantum Hall Effect: Transport at Finite Wave Vector. <i>Physical Review Letters</i> , 1997, 78, 3717-3720.	2.9	25
122	Electron-electron interaction in disordered mesoscopic systems: Weak localization and mesoscopic fluctuations of polarizability and capacitance. <i>Physical Review B</i> , 1998, 57, 4566-4578.	1.1	25
123	Relaxation in Luttinger liquids: Bose-Fermi duality. <i>Physical Review B</i> , 2014, 90, .	1.1	25
124	Noise on complex quantum Hall edges: Chiral anomaly and heat diffusion. <i>Physical Review B</i> , 2019, 99, .	1.1	25
125	Berezinskii-Kosterlitz-Thouless transition in homogeneously disordered superconducting films. <i>Physical Review B</i> , 2015, 92, .	1.1	24
126	Majorana modes in emergent-wire phases of helical and cycloidal magnet-superconductor hybrids. <i>Physical Review B</i> , 2020, 102, .	1.1	24

#	ARTICLE	IF	CITATIONS
127	Level and eigenfunction statistics in billiards with surface disorder. Physical Review B, 2001, 63, .	1.1	23
128	Wave function correlations on the ballistic scale: Exploring quantum chaos by quantum disorder. Physical Review E, 2002, 65, 025202.	0.8	23
129	Loschmidt echo and Lyapunov exponent in a quantum disordered system. Physical Review E, 2003, 67, 056217.	0.8	23
130	Absence of many-body localization in a continuum. Annalen Der Physik, 2017, 529, 1600365.	0.9	23
131	Superconductor-insulator transition in disordered Josephson-junction chains. Physical Review B, 2017, 96, .	1.1	23
132	Anomalous Hooke's law in disordered graphene. 2D Materials, 2017, 4, 011003.	2.0	23
133	Transversal magnetoresistance and Shubnikov-de Haas oscillations in Weyl semimetals. Physical Review B, 2017, 96, .	1.1	23
134	Quantum Hall ferromagnets, cooperative transport anisotropy, and the random field Ising model. Physical Review B, 2002, 66, .	1.1	22
135	Boundary multifractality in critical one-dimensional systems with long-range hopping. Physical Review B, 2007, 75, .	1.1	22
136	Interaction and disorder effects in three-dimensional topological insulator thin films. Physical Review B, 2013, 88, .	1.1	22
137	Dissipationless kinetics of one-dimensional interacting fermions. Physical Review B, 2014, 89, .	1.1	22
138	Thermoelectric transport in junctions of Majorana and Dirac channels. Physical Review B, 2017, 95, .	1.1	22
139	Kinetic theory of fluctuations in conducting systems. Physical Review B, 2005, 71, .	1.1	21
140	Cold bosons in the Landauer setup. Physical Review B, 2012, 85, .	1.1	21
141	Symmetries and weak localization and antilocalization of Dirac fermions in HgTe quantum wells. Physical Review B, 2012, 86, .	1.1	21
142	Local density of states and its mesoscopic fluctuations near the transition to a superconducting state in disordered systems. Physical Review B, 2016, 93, .	1.1	21
143	Noise on the non-Abelian $\hat{I}^{1/2}$ Fractional Quantum Hall Edge. Physical Review Letters, 2020, 125, 157702.	2.9	21
144	Theory of Shubnikov-de Haas oscillations around the $\hat{I}^{1/2}=1/2$ filling factor of the Landau level: Effect of gauge-field fluctuations. Physical Review B, 1995, 52, 4708-4711.	1.1	20

#	ARTICLE	IF	CITATIONS
145	Intensity distribution for waves in disordered media: Deviations from Rayleigh statistics. <i>Physical Review E</i> , 1998, 57, R6285-R6288.	0.8	20
146	Quantum Hall Criticality and Localization in Graphene with Short-Range Impurities at the Dirac Point. <i>Physical Review Letters</i> , 2014, 112, 026802.	2.9	20
147	Multifractality and electron-electron interaction at Anderson transitions. <i>Physical Review B</i> , 2015, 91, .	1.1	20
148	ANDERSON TRANSITIONS: CRITICALITY, SYMMETRIES AND TOPOLOGIES. <i>International Journal of Modern Physics B</i> , 2010, 24, 1577-1620.	1.0	18
149	Theory of the nonequilibrium electronic Mach-Zehnder interferometer. <i>Physical Review B</i> , 2011, 84, .	1.1	18
150	Interaction quench in nonequilibrium Luttinger liquids. <i>Physical Review B</i> , 2013, 88, .	1.1	18
151	Multifractally-enhanced superconductivity in thin films. <i>Annals of Physics</i> , 2021, 435, 168499.	1.0	18
152	Absent thermal equilibration on fractional quantum Hall edges over macroscopic scale. <i>Nature Communications</i> , 2022, 13, 376.	5.8	18
153	Quantum corrections to the conductivity of fermion gauge-field models: Application to the half-filled Landau level. <i>Physical Review B</i> , 1997, 55, 5141-5146.	1.1	17
154	Weiss oscillations in surface-acoustic-wave propagation. <i>Physical Review B</i> , 1998, 58, 7113-7119.	1.1	17
155	Coulomb drag in high Landau levels. <i>Physical Review B</i> , 2004, 70, .	1.1	17
156	Theory of the oscillatory photoconductivity of a two-dimensional electron system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 25, 205-211.	1.3	17
157	Generalized quantum measurements with matrix product states: Entanglement phase transition and clusterization. <i>Physical Review Research</i> , 2022, 4, .	1.3	17
158	Nonequilibrium mesoscopic conductance fluctuations. <i>Physical Review B</i> , 2004, 70, .	1.1	16
159	Magnetotransport of electrons in quantum Hall systems. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 239-259.	0.7	16
160	Quantum magneto-oscillations in the ac conductivity of disordered graphene. <i>Physical Review B</i> , 2013, 87, .	1.1	16
161	Temperature Enhancement of Thermal Hall Conductance Quantization. <i>Physical Review Letters</i> , 2020, 125, 236802.	2.9	16
162	Relaxation processes in a disordered Luttinger liquid. <i>Semiconductors</i> , 2008, 42, 994-1007.	0.2	15

#	ARTICLE	IF	CITATIONS
163	LÃ©vy Flights due to Anisotropic Disorder in Graphene. <i>Physical Review Letters</i> , 2016, 117, 046603.	2.9	15
164	Resonant supercollisions and electron-phonon heat transfer in graphene. <i>Physical Review B</i> , 2018, 97, .	1.1	15
165	Observation of ballistic upstream modes at fractional quantum Hall edges of graphene. <i>Nature Communications</i> , 2022, 13, 213.	5.8	15
166	Negative conductivity and anomalous screening in two-dimensional electron systems subjected to microwave radiation. <i>Physical Review B</i> , 2011, 84, .	1.1	13
167	Nonequilibrium functional bosonization of quantum wire networks. <i>Annals of Physics</i> , 2012, 327, 2794-2852.	1.0	13
168	Conductance plateaus and shot noise in fractional quantum Hall point contacts. <i>Physical Review B</i> , 2020, 101, .	1.1	13
169	Many-body localization in large systems: Matrix-product-state approach. <i>Annals of Physics</i> , 2021, 435, 168437.	1.0	13
170	Phase transition in a model with non-compact symmetry on Bethe lattice and the replica limit. <i>Journal of Physics A</i> , 1996, 29, 5333-5345.	1.6	12
171	From Quantum Disorder to Quantum Chaos. <i>Journal of Low Temperature Physics</i> , 2002, 126, 1339-1354.	0.6	12
172	Quantum Hall effects in normal and superconducting systems: localization and multifractality. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 284-302.	0.7	12
173	Emergence of Domains and Nonlinear Transport in the Zero-Resistance State. <i>Physical Review Letters</i> , 2013, 111, 206801.	2.9	12
174	Relaxation of optically excited carriers in graphene: Anomalous diffusion and LÃ©vy flights. <i>Physical Review B</i> , 2014, 89, .	1.1	12
175	Statistical Properties of the Local Density of States and the Knight Shift in Disordered Wires. <i>Europhysics Letters</i> , 1994, 25, 669-674.	0.7	11
176	Griffiths phase in the thermal quantum Hall effect. <i>Physical Review B</i> , 2006, 73, .	1.1	11
177	Nonequilibrium Zero-Bias Anomaly in Disordered Metals. <i>Physical Review Letters</i> , 2008, 100, 086801.	2.9	11
178	Analytically solvable model of an electronic Mach-Zehnder interferometer. <i>Physical Review B</i> , 2013, 87, .	1.1	11
179	Corâ€™kov and Eliashberg linear-response theory: Rigorous derivation and limits of applicability. <i>Physical Review B</i> , 1996, 53, 12601-12604.	1.1	10
180	Quantum interference and spin-charge separation in a disordered Luttinger liquid. <i>Physical Review B</i> , 2008, 78, .	1.1	10

#	ARTICLE	IF	CITATIONS
181	Many-particle correlations in a non-equilibrium Luttinger liquid. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P11001.	0.9	10
182	Transport via double constrictions in integer and fractional topological insulators. Physical Review B, 2013, 88, .	1.1	10
183	Tunneling into the localized phase near Anderson transitions with Coulomb interaction. Physical Review B, 2014, 89, .	1.1	10
184	Equilibration in a chiral Luttinger liquid. Physical Review B, 2015, 91, .	1.1	10
185	Transmission through a potential barrier in Luttinger liquids with a topological spin gap. Physical Review B, 2018, 97, .	1.1	10
186	Magnetotransport in two-dimensional lateral superlattices with smooth disorder: Quasiclassical theory of commensurability oscillations. Physical Review B, 2001, 63, .	1.1	9
187	Magnetotransport in lateral superlattices with small-angle impurity scattering: Low-field magnetoresistance. Physical Review B, 2001, 64, .	1.1	9
188	Correlations in Nonequilibrium Luttinger Liquid and Singular Fredholm Determinants. Physical Review Letters, 2013, 110, 216404.	2.9	9
189	Decay of plasmonic waves in Josephson junction chains. Physical Review B, 2018, 98, .	1.1	9
190	Generalized multifractality at spin quantum Hall transition. Annals of Physics, 2021, 435, 168584.	1.0	9
191	Current-phase relation and h/e -periodic critical current of a chiral Josephson contact between one-dimensional Majorana modes. Physical Review B, 2016, 93, .	1.1	8
192	Dynamics of many-body delocalization in the time-dependent Hartree-Fock approximation. Annals of Physics, 2021, 435, 168486.	1.0	8
193	Generalized multifractality at the spin quantum Hall transition: Percolation mapping and pure-scaling observables. Physical Review B, 2022, 105, .	1.1	8
194	Angular Dependence of Universal Conductance Fluctuations in Noble-Metal Nanowires. Physical Review Letters, 1997, 78, 3362-3365.	2.9	7
195	Nonadiabatic scattering of a classical particle in an inhomogeneous magnetic field. Physical Review B, 1998, 58, 15321-15324.	1.1	7
196	Full counting statistics in disordered graphene at the Dirac point: From ballistics to diffusion. Physical Review B, 2010, 82, .	1.1	7
197	Excess equilibrium noise in a topological SNS junction between chiral Majorana liquids. Physical Review B, 2018, 98, .	1.1	7
198	Comment on "Nonuniversality of the localization length in a quantum chaotic system". Physical Review Letters, 1994, 72, 3437-3437.	2.9	6

#	ARTICLE	IF	CITATIONS
199	Comment on "Antilocalization in a 2D Electron Gas in a Random Magnetic Field" Physical Review Letters, 2001, 86, 3688-3688.	2.9	6
200	Current correlations and quantum localization in two-dimensional disordered systems with broken time-reversal invariance. Physical Review B, 2001, 64, .	1.1	6
201	Transport of Charge-Density Waves in the Presence of Disorder: Classical Pinning Versus Quantum Localization. Physical Review Letters, 2007, 99, 156405.	2.9	6
202	Effect of gauge-field interaction on fermion transport in two dimensions: Hartree conductivity correction and dephasing. Physical Review B, 2008, 77, .	1.1	6
203	Quantum interference in HgTe structures. Physica Status Solidi (B): Basic Research, 2014, 251, 1786-1800.	0.7	6
204	Entanglement entropy and particle number cumulants of disordered fermions. Annals of Physics, 2017, 383, 140-156.	1.0	5
205	Frequency dependence of the magnetopolarizability of mesoscopic grains. Physical Review B, 2001, 63, .	1.1	4
206	Photogalvanic effects originating from the violation of the Einstein relation in a 2D electron gas in high Landau levels. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1159-1162.	1.3	4
207	Mesoscopic fluctuations of the local density of states in interacting electron systems. JETP Letters, 2017, 106, 272-281.	0.4	4
208	The role of impurity scattering in "anyononic superconductivity" relation to the quantum Hall effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 152, 371-375.	0.9	3
209	Wave function correlations on the ballistic scale: from quantum disorder to quantum chaos. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 845-848.	1.3	3
210	Measuring the Luttinger liquid parameter with shot noise. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 651-658.	1.3	3
211	Long lifetimes of ultrahot particles in interacting Fermi systems. Physical Review B, 2018, 97, .	1.1	3
212	Magnetotransport in a random array of antidots. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 260-263.	1.3	2
213	Fractional microwave-induced resistance oscillations. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1332-1334.	1.3	2
214	Weak localization and magnetoresistance in a two-leg ladder model. Physical Review B, 2012, 86, .	1.1	2
215	Methods of describing interpolation formulas for platinum resistance thermometers for $0.962 \leq t \leq 1/2$ C. Measurement Techniques, 1990, 33, 349-352.	0.2	1
216	Semiclassical transport in a random magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 742-745.	1.3	1

#	ARTICLE	IF	CITATIONS
217	Interaction-induced magnetoresistance in a two-dimensional electron gas. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 260-263.	1.3	1
218	Electron in the field of flexural vibrations of a membrane: Quantum time, magnetic oscillations, and coherence breaking. Journal of Experimental and Theoretical Physics, 2016, 123, 322-347.	0.2	1
219	Reprint of : Measuring the Luttinger liquid parameter with shot noise. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 293-300.	1.3	1
220	Superconductivity in an insulator. Nature Physics, 2019, 15, 880-881.	6.5	1
221	Microwave response of a chiral Majorana interferometer. Physical Review B, 2021, 104, .	1.1	1
222	Statistical Properties of Random Banded Matrices: Analytical Results. NATO ASI Series Series B: Physics, 1994, , 289-293.	0.2	1
223	Correlations of Wave Functions in Disordered Systems. NATO ASI Series Series B: Physics, 1999, , 245-260.	0.2	1
224	Kinetics and localization of composite fermions in a random magnetic field. Physica B: Condensed Matter, 1998, 256-258, 441-444.	1.3	0
225	Finite-frequency transport of composite fermions. Physica B: Condensed Matter, 2001, 298, 187-190.	1.3	0
226	Nonadiabatic scattering of a quantum particle in an inhomogenous magnetic field. Europhysics Letters, 2001, 55, 603-609.	0.7	0
227	Current correlations and quantum localization in a random or homogeneous magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 637-640.	1.3	0
228	Disordered quantum Hall ferromagnets and cooperative transport anisotropy. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 82-85.	1.3	0
229	INTEGER AND FRACTIONAL MAGNETOOSCILLATIONS IN IRRADIATED QUANTUM HALL SYSTEMS. International Journal of Modern Physics B, 2009, 23, 2678-2683.	1.0	0
230	Coulomb Drag as a Probe of Quantum Hall Systems. Advances in Solid State Physics, 2004, , 169-180.	0.8	0