

# Carlo Beenakker

## List of Publications by Year in descending order

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365  
papers

36,148  
citations

4370

86  
h-index

3476

182  
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370  
all docs

370  
docs citations

370  
times ranked

13530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantized conductance of point contacts in a two-dimensional electron gas. <i>Physical Review Letters</i> , 1988, 60, 848-850.	2.9	2,851
2	Random-matrix theory of quantum transport. <i>Reviews of Modern Physics</i> , 1997, 69, 731-808.	16.4	2,171
3	Search for Majorana Fermions in Superconductors. <i>Annual Review of Condensed Matter Physics</i> , 2013, 4, 113-136.	5.2	1,500
4	Valley filter and valley valve in graphene. <i>Nature Physics</i> , 2007, 3, 172-175.	6.5	1,452
5	Theory of Coulomb-blockade oscillations in the conductance of a quantum dot. <i>Physical Review B</i> , 1991, 44, 1646-1656.	1.1	1,289
6	<i>Colloquium</i> : Andreev reflection and Klein tunneling in graphene. <i>Reviews of Modern Physics</i> , 2008, 80, 1337-1354.	16.4	1,139
7	Quantum Transport in Semiconductor Nanostructures. <i>Solid State Physics</i> , 1991, , 1-228.	1.3	892
8	Sub-Poissonian Shot Noise in Graphene. <i>Physical Review Letters</i> , 2006, 96, 246802.	2.9	779
9	Specular Andreev Reflection in Graphene. <i>Physical Review Letters</i> , 2006, 97, 067007.	2.9	629
10	Electrically Detected Interferometry of Majorana Fermions in a Topological Insulator. <i>Physical Review Letters</i> , 2009, 102, 216404.	2.9	522
11	Universal limit of critical-current fluctuations in mesoscopic Josephson junctions. <i>Physical Review Letters</i> , 1991, 67, 3836-3839.	2.9	505
12	Andreev Reflection in Ferromagnet-Superconductor Junctions. <i>Physical Review Letters</i> , 1995, 74, 1657-1660.	2.9	502
13	Josephson current through a superconducting quantum point contact shorter than the coherence length. <i>Physical Review Letters</i> , 1991, 66, 3056-3059.	2.9	408
14	Boundary conditions for Dirac fermions on a terminated honeycomb lattice. <i>Physical Review B</i> , 2008, 77, .	1.1	406
15	Suppression of shot noise in metallic diffusive conductors. <i>Physical Review B</i> , 1992, 46, 1889-1892.	1.1	404
16	Splitting of a Cooper Pair by a Pair of Majorana Bound States. <i>Physical Review Letters</i> , 2008, 101, 120403.	2.9	394
17	Majorana fermions emerging from magnetic nanoparticles on a superconductor without spin-orbit coupling. <i>Physical Review B</i> , 2011, 84, .	1.1	333
18	Guiding-center-drift resonance in a periodically modulated two-dimensional electron gas. <i>Physical Review Letters</i> , 1989, 62, 2020-2023.	2.9	327

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19	Coherent electron focusing with quantum point contacts in a two-dimensional electron gas. <i>Physical Review B</i> , 1989, 39, 8556-8575.	1.1	320
20	Theory of the Topological Anderson Insulator. <i>Physical Review Letters</i> , 2009, 103, 196805.	2.9	311
21	One-Parameter Scaling at the Dirac Point in Graphene. <i>Physical Review Letters</i> , 2007, 99, 106801.	2.9	306
22	Quantum transport in semiconductor-superconductor microjunctions. <i>Physical Review B</i> , 1992, 46, 12841-12844.	1.1	297
23	Edge channels for the fractional quantum Hall effect. <i>Physical Review Letters</i> , 1990, 64, 216-219.	2.9	291
24	Billiard model of a ballistic multiprobe conductor. <i>Physical Review Letters</i> , 1989, 63, 1857-1860.	2.9	289
25	Universal Quantum Signatures of Chaos in Ballistic Transport. <i>Europhysics Letters</i> , 1994, 27, 255-260.	0.7	288
26	Josephson effect in ballistic graphene. <i>Physical Review B</i> , 2006, 74, .	1.1	277
27	Diffusion of spheres in a concentrated suspension II. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1984, 126, 349-370.	1.2	264
28	Theory of the thermopower of a quantum dot. <i>Physical Review B</i> , 1992, 46, 9667-9676.	1.1	260
29	Aharonov-Bohm effect and broken valley degeneracy in graphene rings. <i>Physical Review B</i> , 2007, 76, .	1.1	258
30	Coulomb-assisted braiding of Majorana fermions in a Josephson junction array. <i>New Journal of Physics</i> , 2012, 14, 035019.	1.2	257
31	Flux-controlled quantum computation with Majorana fermions. <i>Physical Review B</i> , 2013, 88, .	1.1	253
32	Quantized Conductance at the Majorana Phase Transition in a Disordered Superconducting Wire. <i>Physical Review Letters</i> , 2011, 106, 057001.	2.9	252
33	A zero-voltage conductance peak from weak antilocalization in a Majorana nanowire. <i>New Journal of Physics</i> , 2012, 14, 125011.	1.2	247
34	Quantum ballistic and adiabatic electron transport studied with quantum point contacts. <i>Physical Review B</i> , 1991, 43, 12431-12453.	1.1	230
35	Quantum point contact as a probe of a topological superconductor. <i>New Journal of Physics</i> , 2011, 13, 053016.	1.2	228
36	Extremal transmission at the Dirac point of a photonic band structure. <i>Physical Review A</i> , 2007, 75, .	1.0	221

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37	Quantized conductance of magnetoelectric subbands in ballistic point contacts. <i>Physical Review B</i> , 1988, 38, 3625-3627.	1.1	215
38	Quantum Goos-Hänchen Effect in Graphene. <i>Physical Review Letters</i> , 2009, 102, 146804.	2.9	215
39	Diagrammatic method of integration over the unitary group, with applications to quantum transport in mesoscopic systems. <i>Journal of Mathematical Physics</i> , 1996, 37, 4904-4934.	0.5	213
40	Golden rule decay versus Lyapunov decay of the quantum Loschmidt echo. <i>Physical Review E</i> , 2001, 64, 055203.	0.8	211
41	Random-matrix theory of Majorana fermions and topological superconductors. <i>Reviews of Modern Physics</i> , 2015, 87, 1037-1066.	16.4	211
42	Ewald sum of the Rotne-Prager tensor. <i>Journal of Chemical Physics</i> , 1986, 85, 1581-1582.	1.2	208
43	Anomalous integer quantum Hall effect in the ballistic regime with quantum point contacts. <i>Physical Review Letters</i> , 1989, 62, 1181-1184.	2.9	207
44	The effective viscosity of a concentrated suspension of spheres (and its relation to diffusion). <i>Physica A: Statistical Mechanics and Its Applications</i> , 1984, 128, 48-81.	1.2	200
45	Coulomb-Blockade Oscillations in the Thermopower of a Quantum Dot. <i>Europhysics Letters</i> , 1993, 22, 57-62.	0.7	195
46	Quantum oscillations in the transverse voltage of a channel in the nonlinear transport regime. <i>Physical Review Letters</i> , 1990, 65, 1052-1055.	2.9	183
47	Proposal for Production and Detection of Entangled Electron-Hole Pairs in a Degenerate Electron Gas. <i>Physical Review Letters</i> , 2003, 91, 147901.	2.9	182
48	Self-diffusion of spheres in a concentrated suspension. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 120, 388-410.	1.2	178
49	Magnetic Breakdown and Klein Tunneling in a Type-II Weyl Semimetal. <i>Physical Review Letters</i> , 2016, 116, 236401.	2.9	167
50	Quantum Shot Noise. <i>Physics Today</i> , 2003, 56, 37-42.	0.3	166
51	Ballistic transmission through a graphene bilayer. <i>Physical Review B</i> , 2007, 75, .	1.1	165
52	Comment on "Conductance oscillations periodic in the density of a one-dimensional electron gas". <i>Physical Review Letters</i> , 1989, 63, 1893-1893.	2.9	163
53	Nonlinear conductance of quantum point contacts. <i>Physical Review B</i> , 1989, 39, 8040-8043.	1.1	163
54	Detection of Valley Polarization in Graphene by a Superconducting Contact. <i>Physical Review Letters</i> , 2007, 98, 157003.	2.9	162

#	ARTICLE	IF	CITATIONS
55	Theory of the valley-valve effect in graphene nanoribbons. <i>Physical Review B</i> , 2008, 77, .	1.1	161
56	Thermo-electric properties of quantum point contacts. <i>Semiconductor Science and Technology</i> , 1992, 7, B215-B221.	1.0	159
57	Voltage-probe and imaginary-potential models for dephasing in a chaotic quantum dot. <i>Physical Review B</i> , 1997, 55, 4695-4702.	1.1	158
58	Scattering formula for the topological quantum number of a disordered multimode wire. <i>Physical Review B</i> , 2011, 83, .	1.1	157
59	Charge Detection Enables Free-Electron Quantum Computation. <i>Physical Review Letters</i> , 2004, 93, 020501.	2.9	156
60	Quantum Mechanical Time-Delay Matrix in Chaotic Scattering. <i>Physical Review Letters</i> , 1997, 78, 4737-4740.	2.9	153
61	Anomalously large conductance fluctuations in weakly disordered graphene. <i>Europhysics Letters</i> , 2007, 79, 57003.	0.7	149
62	Anyonic interferometry without anyons: how a flux qubit can read out a topological qubit. <i>New Journal of Physics</i> , 2010, 12, 125002.	1.2	146
63	Boundary scattering and weak localization of electrons in a magnetic field. <i>Physical Review B</i> , 1988, 38, 3232-3240.	1.1	144
64	Coherent Electron Focussing in a Two-Dimensional Electron Gas. <i>Europhysics Letters</i> , 1988, 5, 721-725.	0.7	143
65	Electron-beam collimation with a quantum point contact. <i>Physical Review B</i> , 1990, 41, 1274-1277.	1.1	143
66	Majorana Bound States without Vortices in Topological Superconductors with Electrostatic Defects. <i>Physical Review Letters</i> , 2010, 105, 046803.	2.9	135
67	Magnetotransport and nonadditivity of point-contact resistances in series. <i>Physical Review B</i> , 1989, 39, 10445-10448.	1.1	133
68	Quantum Point Contacts. <i>Physics Today</i> , 1996, 49, 22-27.	0.3	132
69	Four-terminal magnetoresistance of a two-dimensional electron-gas constriction in the ballistic regime. <i>Physical Review B</i> , 1988, 37, 8534-8536.	1.1	130
70	Flux-cancellation effect on narrow-channel magnetoresistance fluctuations. <i>Physical Review B</i> , 1988, 37, 6544-6546.	1.1	121
71	The top-transmon: a hybrid superconducting qubit for parity-protected quantum computation. <i>New Journal of Physics</i> , 2011, 13, 095004.	1.2	118
72	Fermion-Parity Anomaly of the Critical Supercurrent in the Quantum Spin-Hall Effect. <i>Physical Review Letters</i> , 2013, 110, 017003.	2.9	116

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73	Universality in the random-matrix theory of quantum transport. Physical Review Letters, 1993, 70, 1155-1158.	2.9	113
74	Thermal Radiation and Amplified Spontaneous Emission from a Random Medium. Physical Review Letters, 1998, 81, 1829-1832.	2.9	110
75	Induced superconductivity distinguishes chaotic from integrable billiards. Europhysics Letters, 1996, 35, 7-12.	0.7	108
76	Three signatures of phase-coherent Andreev reflection. Physical Review B, 1993, 48, 2811-2814.	1.1	107
77	Probability of Reflection by a Random Laser. Physical Review Letters, 1996, 76, 1368-1371.	2.9	106
78	Coulomb stability of the $4\pi$ -periodic Josephson effect of Majorana fermions. Physical Review B, 2011, 84, .	1.1	105
79	All-electronic coherent population trapping in quantum dots. Europhysics Letters, 2006, 73, 677-683.	0.7	98
80	Nonlogarithmic repulsion of transmission eigenvalues in a disordered wire. Physical Review Letters, 1993, 71, 3689-3692.	2.9	97
81	Exact solution for the distribution of transmission eigenvalues in a disordered wire and comparison with random-matrix theory. Physical Review B, 1994, 49, 7499-7510.	1.1	97
82	Semiclassical theory of shot noise in mesoscopic conductors. Physica A: Statistical Mechanics and Its Applications, 1996, 230, 219-248.	1.2	97
83	Counting Statistics of Photons Produced by Electronic Shot Noise. Physical Review Letters, 2001, 86, 700-703.	2.9	95
84	Measuring $\text{Tr} \rho^n$ on Single Copies of $\rho$ Using Random Measurements. Physical Review Letters, 2012, 108, 110503.	2.9	93
85	Theory of directed localization in one dimension. Physical Review B, 1997, 56, R4333-R4335.	1.1	92
86	Doubled shot noise in disordered normal-metal-superconductor junctions. Physical Review B, 1994, 49, 16070-16073.	1.1	88
87	A road to reality with topological superconductors. Nature Physics, 2016, 12, 618-621.	6.5	85
88	Quantum limit of the laser line width in chaotic cavities and statistics of residues of scattering matrix poles. Physica A: Statistical Mechanics and Its Applications, 2000, 278, 469-496.	1.2	82
89	Distribution of the quantum mechanical time-delay matrix for a chaotic cavity. Waves in Random and Complex Media, 1999, 9, 91-104.	1.5	81
90	Quenching of the Hall Effect. Physical Review Letters, 1988, 60, 2406-2409.	2.9	80

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91	Quantum Hall effect in a one-dimensional dynamical system. Physical Review B, 2011, 84, .	1.1	80
92	Spatial potential distribution in GaAs/AlxGa1-xAs heterostructures under quantum Hall conditions studied with the linear electro-optic effect. Physical Review B, 1991, 43, 12090-12093.	1.1	76
93	Coulomb-blockade oscillations in disordered quantum wires. Physical Review B, 1992, 45, 9222-9236.	1.1	75
94	Machine-learning-assisted correction of correlated qubit errors in a topological code. Quantum - the Open Journal for Quantum Science, 0, 2, 48.	0.0	75
95	Universal Gap Fluctuations in the Superconductor Proximity Effect. Physical Review Letters, 2001, 86, 874-877.	2.9	73
96	Many-Body Characterization of Particle-Conserving Topological Superfluids. Physical Review Letters, 2014, 113, 267002.	2.9	72
97	Decay of the Loschmidt Echo for Quantum States with Sub-Planck-Scale Structures. Physical Review Letters, 2002, 89, 154103.	2.9	71
98	Numerical simulation of diffusion-controlled droplet growth: Dynamical correlation effects. Physical Review A, 1986, 33, 4482-4485.	1.0	70
99	Localization of light: Dual symmetry between absorption and amplification. Physical Review B, 1996, 54, 11887-11890.	1.1	70
100	Universality of BrÄzin and Zee's spectral correlator. Nuclear Physics B, 1994, 422, 515-520.	0.9	69
101	Excitation gap of a graphene channel with superconducting boundaries. Physical Review B, 2007, 75, .	1.1	69
102	Valley-isospin dependence of the quantum Hall effect in a graphene junction. Physical Review B, 2007, 76, .	1.1	68
103	Semiclassical theory of shot noise and its suppression in a conductor with deterministic scattering. Physical Review B, 1991, 43, 12066-12069.	1.1	67
104	Temperature-Dependent Third Cumulant of Tunneling Noise. Physical Review Letters, 2003, 90, 176802.	2.9	67
105	Reflectionless tunneling through a double-barrier NS junction. Physica B: Condensed Matter, 1994, 203, 219-225.	1.3	66
106	Aharonov-bohm effect in a singly connected point contact. Physical Review B, 1988, 38, 10162-10165.	1.1	65
107	Parity meter for charge qubits: An efficient quantum entangler. Physical Review B, 2006, 73, .	1.1	65
108	Proposal for the detection and braiding of Majorana fermions in a quantum spin Hall insulator. Physical Review B, 2013, 87, .	1.1	64

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109	Diffusion of spheres in suspension: Three-body hydrodynamic interaction effects. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 290-291.	0.9	63
110	Scaling theory of conduction through a normal-superconductor microbridge. Physical Review Letters, 1994, 72, 2470-2473.	2.9	63
111	Giant Negative Magnetoresistance Driven by Spin-Orbit Coupling at the $\text{LaAlO}_3/\text{SrTiO}_3$ Interface. Physical Review Letters, 2015, 115, 016803.	2.9	63
112	Influence of Coulomb repulsion on the Aharonov-Bohm effect in a quantum dot. Physical Review B, 1991, 44, 1657-1662.	1.1	62
113	Finite difference method for transport properties of massless Dirac fermions. Physical Review B, 2008, 78, .	1.1	62
114	Brownian-motion model for parametric correlations in the spectra of disordered metals. Physical Review Letters, 1993, 70, 4126-4129.	2.9	61
115	Search for non-Abelian Majorana braiding statistics in superconductors. SciPost Physics Lecture Notes, 0, , .	0.0	61
116	Numerical simulation of a coarsening two-dimensional network. Physical Review A, 1988, 37, 1697-1702.	1.0	60
117	Diffusion of spheres in a concentrated suspension: Resummation of many-body hydrodynamic interactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 98, 22-24.	0.9	59
118	Counting statistics of coherent population trapping in quantum dots. Physical Review B, 2006, 74, .	1.1	59
119	Boundary scattering modified one-dimensional weak localization in submicron GaAs/AlGaAs heterostructures. Surface Science, 1988, 196, 144-149.	0.8	57
120	Semiclassical theory of shot-noise suppression. Physical Review B, 1995, 51, 16867-16870.	1.1	57
121	Distribution of the reflection eigenvalues of a weakly absorbing chaotic cavity. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 463-466.	1.3	56
122	Antibunched Photons Emitted by a Quantum Point Contact out of Equilibrium. Physical Review Letters, 2004, 93, 096801.	2.9	55
123	Valley-momentum locking in a graphene superlattice with Y-shaped Kekulé bond texture. New Journal of Physics, 2018, 20, 023016.	1.2	55
124	Spin-triplet supercurrent carried by quantum Hall edge states through a Josephson junction. Physical Review B, 2011, 83, .	1.1	54
125	Observation of the optical analogue of quantized conductance of a point contact. Nature, 1991, 350, 594-595.	13.7	53
126	Random-matrix theory of mesoscopic fluctuations in conductors and superconductors. Physical Review B, 1993, 47, 15763-15775.	1.1	53

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127	Anomalous temperature dependence of the supercurrent through a chaotic Josephson junction. Chaos, Solitons and Fractals, 1997, 8, 1249-1260.	2.5	52
128	Spatial potential distribution in GaAs/AlxGa1-xAs heterostructures under quantum Hall conditions studied with the linear electro-optic effect. Surface Science, 1992, 263, 91-96.	0.8	51
129	Distribution of Parametric Conductance Derivatives of a Quantum Dot. Physical Review Letters, 1997, 79, 913-916.	2.9	51
130	Optimal Spin-Entangled Electron-Hole Pair Pump. Physical Review Letters, 2005, 94, 186804.	2.9	51
131	Scattering theory of the chiral magnetic effect in a Weyl semimetal: interplay of bulk Weyl cones and surface Fermi arcs. New Journal of Physics, 2016, 18, 045009.	1.2	51
132	Effect of a voltage probe on the phase-coherent conductance of a ballistic chaotic cavity. Physical Review B, 1995, 51, 7739-7743.	1.1	50
133	Quantum limit of the triplet proximity effect in half-metal-superconductor junctions. Physical Review B, 2009, 79, .	1.1	50
134	Lasing threshold and mode competition in chaotic cavities. Physical Review A, 1998, 57, 2041-2045.	1.0	49
135	Superconductor-proximity effect in chaotic and integrable billiards. Physica Scripta, 1997, T69, 223-225.	1.2	48
136	Large Petermann factor in chaotic cavities with many scattering channels. Europhysics Letters, 2000, 49, 48-54.	0.7	48
137	Quantum Teleportation by Particle-Hole Annihilation in the Fermi Sea. Physical Review Letters, 2004, 92, 056801.	2.9	48
138	Absence of a metallic phase in charge-neutral graphene with a random gap. Physical Review B, 2010, 81, .	1.1	48
139	Is sedimentation container-shape dependent?. Physics of Fluids, 1985, 28, 3203.	1.4	47
140	Fluctuating phase rigidity for a quantum chaotic system with partially broken time-reversal symmetry. Physical Review E, 1997, 55, R1-R4.	0.8	47
141	Quantum Andreev Map: A Paradigm of Quantum Chaos in Superconductivity. Physical Review Letters, 2003, 90, 207004.	2.9	47
142	Proposed method for detection of the pseudospin- $\frac{1}{2}$ Berry phase in a photonic crystal with a Dirac spectrum. Physical Review B, 2008, 78, .	1.1	47
143	Statistical translation invariance protects a topological insulator from interactions. Physical Review B, 2015, 92, .	1.1	47
144	Hot-electron spectrometry with quantum point contacts. Physical Review B, 1990, 41, 1207-1210.	1.1	46

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145	Mesoscopic fluctuations in the shot-noise power of metals. <i>Physical Review B</i> , 1992, 46, 13400-13406.	1.1	46
146	Dynamical model for the quantum-to-classical crossover of shot noise. <i>Physical Review B</i> , 2003, 68, .	1.1	46
147	Reentrance effect in a graphene-p-n junction coupled to a superconductor. <i>Physical Review B</i> , 2007, 75, .	1.1	46
148	Andreev reflection from a topological superconductor with chiral symmetry. <i>Physical Review B</i> , 2012, 86, .	1.1	46
149	Excitation Spectrum of Andreev Billiards with a Mixed Phase Space. <i>Physical Review Letters</i> , 1999, 82, 2951-2954.	2.9	45
150	Effect of the Coupling to a Superconductor on the Level Statistics of a Metal Grain in a Magnetic Field. <i>Physical Review Letters</i> , 1996, 76, 2981-2984.	2.9	44
151	Chapter 2: Quantum Point Contacts. <i>Semiconductors and Semimetals</i> , 1992, 35, 9-112.	0.4	43
152	Random-matrix theory of parametric correlations in the spectra of disordered metals and chaotic billiards. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 203, 61-90.	1.2	43
153	Andreev Billiards. <i>Lecture Notes in Physics</i> , 2005, , 131-174.	0.3	43
154	Effective mass and tricritical point for lattice fermions localized by a random mass. <i>Physical Review B</i> , 2010, 81, .	1.1	43
155	Dirac boundary condition at the reconstructed zigzag edge of graphene. <i>Physical Review B</i> , 2011, 84, .	1.1	43
156	Evolution of Two-Dimensional Soap-Film Networks. <i>Physical Review Letters</i> , 1986, 57, 2454-2457.	2.9	42
157	Hypersensitivity to perturbations of quantum-chaotic wave-packet dynamics. <i>Physical Review E</i> , 2003, 67, 025204.	0.8	42
158	Random-matrix theory of Andreev reflection from a topological superconductor. <i>Physical Review B</i> , 2011, 83, .	1.1	42
159	Mode Interference Effect in Coherent Electron Focusing. <i>Europhysics Letters</i> , 1988, 7, 359-364.	0.7	41
160	Noiseless scattering states in a chaotic cavity. <i>Physical Review B</i> , 2003, 67, .	1.1	41
161	Correspondence between Andreev reflection and Klein tunneling in bipolar graphene. <i>Physical Review B</i> , 2008, 77, .	1.1	41
162	Splitting of Andreev levels in a Josephson junction by spin-orbit coupling. <i>Physical Review B</i> , 2008, 77, .	1.1	41

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163	Two-Photon Speckle as a Probe of Multi-Dimensional Entanglement. Physical Review Letters, 2009, 102, 193601.	2.9	41
164	Emergence of Massless Dirac Fermions in Graphene's Hofstadter Butterfly at Switches of the Quantum Hall Phase Connectivity. Physical Review Letters, 2014, 112, 196602.	2.9	41
165	Deterministic Creation and Braiding of Chiral Edge Vortices. Physical Review Letters, 2019, 122, 146803.	2.9	41
166	Many-sphere hydrodynamic interactions. Physica A: Statistical Mechanics and Its Applications, 1984, 127, 451-472.	1.2	38
167	Nonperturbative calculation of the probability distribution of plane-wave transmission through a disordered waveguide. Physical Review E, 1996, 53, R1344-R1347.	0.8	38
168	Entanglement in mesoscopic structures: Role of projection. Physical Review B, 2004, 69, .	1.1	38
169	Quantum phase transitions of a disordered antiferromagnetic topological insulator. Physical Review B, 2014, 89, .	1.1	38
170	Feedback of the electromagnetic environment on current and voltage fluctuations out of equilibrium. Physical Review B, 2004, 69, .	1.1	37
171	Conductance fluctuations, weak localization, and shot noise for a ballistic constriction in a disordered wire. Physical Review B, 1994, 50, 2450-2457.	1.1	36
172	Anomalous power law of quantum reversibility for classically regular dynamics. Europhysics Letters, 2003, 61, 729-735.	0.7	36
173	Coulomb-Blockade Oscillations in Semiconductor Nanostructures. NATO ASI Series Series B: Physics, 1992, , 167-216.	0.2	36
174	Conductance distribution of a quantum dot with nonideal single-channel leads. Physical Review B, 1994, 50, 11263-11266.	1.1	35
175	Adiabatic Quantization of Andreev Quantum Billiard Levels. Physical Review Letters, 2003, 90, 116801.	2.9	35
176	Chirality blockade of Andreev reflection in a magnetic Weyl semimetal. Physical Review B, 2017, 96, .	1.1	35
177	Theory of Ostwald ripening for open systems. Journal of Chemical Physics, 1985, 83, 4710-4714.	1.2	34
178	Pseudodiffusive conduction at the Dirac point of a normal-superconductor junction in graphene. Physical Review B, 2007, 75, .	1.1	34
179	Nonalgebraic length dependence of transmission through a chain of barriers with a $\Lambda$ spacing distribution. Physical Review B, 2009, 79, .	1.1	34
180	Domain Wall in a Chiral $p$ -Wave Superconductor: A Pathway for Electrical Current. Physical Review Letters, 2010, 104, 147001.	2.9	34

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181	Topological quantum number and critical exponent from conductance fluctuations at the quantum Hall plateau transition. <i>Physical Review B</i> , 2011, 84, .	1.1	34
182	Annihilation of Colliding Bogoliubov Quasiparticles Reveals their Majorana Nature. <i>Physical Review Letters</i> , 2014, 112, 070604.	2.9	34
183	Skipping orbits, traversing trajectories, and quantum ballistic transport in microstructures. <i>Superlattices and Microstructures</i> , 1989, 5, 127-132.	1.4	33
184	Excess noise for coherent radiation propagating through amplifying random media. <i>Physical Review A</i> , 1999, 60, 4059-4066.	1.0	33
185	Quantum-limited linewidth of a chaotic laser cavity. <i>Physical Review A</i> , 2000, 61, .	1.0	33
186	Ehrenfest times for classically chaotic systems. <i>Physical Review E</i> , 2002, 65, 035208.	0.8	33
187	On the Smoluchowski paradox in a sedimenting suspension. <i>Physics of Fluids</i> , 1985, 28, 767.	1.4	32
188	Propagation of squeezed radiation through amplifying or absorbing random media. <i>Physical Review A</i> , 2000, 61, .	1.0	32
189	Neural network decoder for topological color codes with circuit level noise. <i>New Journal of Physics</i> , 2019, 21, 013003.	1.2	32
190	Sawtooth-like thermopower oscillations of a quantum dot in the Coulomb blockade regime. <i>Semiconductor Science and Technology</i> , 1994, 9, 903-906.	1.0	31
191	Giant backscattering peak in angle-resolved Andreev reflection. <i>Physical Review B</i> , 1995, 51, 13883-13886.	1.1	31
192	Wigner-Poisson Statistics of Topological Transitions in a Josephson Junction. <i>Physical Review Letters</i> , 2013, 111, 037001.	2.9	31
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