

Harold U Baranger

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169
papers

8,299
citations

50
h-index

87
g-index

173
ext. papers

8,955
ext. citations

5
avg, IF

6.07
L-index

#	Paper	IF	Citations
169	Conductance fluctuations in the ballistic regime: A probe of quantum chaos?. <i>Physical Review Letters</i> , 1990 , 65, 2442-2445	7.4	401
168	Electrical linear-response theory in an arbitrary magnetic field: A new Fermi-surface formation. <i>Physical Review B</i> , 1989 , 40, 8169-8193	3.3	390
167	Mesoscopic transport through chaotic cavities: A random S-matrix theory approach. <i>Physical Review Letters</i> , 1994 , 73, 142-145	7.4	307
166	Classical and quantum ballistic-transport anomalies in microjunctions. <i>Physical Review B</i> , 1991 , 44, 10637-10675	3.3	262
165	Weak localization in chaotic versus nonchaotic cavities: A striking difference in the line shape. <i>Physical Review Letters</i> , 1994 , 73, 2111-2114	7.4	250
164	Weak localization and integrability in ballistic cavities. <i>Physical Review Letters</i> , 1993 , 70, 3876-3879	7.4	229
163	Quantum-interference-controlled molecular electronics. <i>Nano Letters</i> , 2008 , 8, 3257-61	11.5	213
162	Propagation around a bend in a multichannel electron waveguide. <i>Physical Review Letters</i> , 1988 , 60, 2081-2084	20.1	201
161	Electron transport through molecules: Self-consistent and non-self-consistent approaches. <i>Physical Review B</i> , 2004 , 70,	3.3	195
160	Quantum-chaotic scattering effects in semiconductor microstructures. <i>Chaos</i> , 1993 , 3, 665-682	3.3	188
159	Detecting a Majorana-fermion zero mode using a quantum dot. <i>Physical Review B</i> , 2011 , 84,	3.3	176
158	Communication through a diffusive medium: coherence and capacity. <i>Science</i> , 2000 , 287, 287-90	33.3	170
157	Breakdown of quantized conductance in point contacts calculated using realistic potentials. <i>Physical Review B</i> , 1991 , 43, 12638-12641	3.3	163
156	Persistent quantum beats and long-distance entanglement from waveguide-mediated interactions. <i>Physical Review Letters</i> , 2013 , 110, 113601	7.4	157
155	Non-Gaussian distribution of Coulomb blockade peak heights in quantum dots. <i>Physical Review Letters</i> , 1996 , 76, 1695-1698	7.4	154
154	Quenching of the Hall resistance in ballistic microstructures: A collimation effect. <i>Physical Review Letters</i> , 1989 , 63, 414-417	7.4	147
153	Waveguide QED: Many-body bound-state effects in coherent and Fock-state scattering from a two-level system. <i>Physical Review A</i> , 2010 , 82,	2.6	142

152	Symmetry classes in graphene quantum dots: universal spectral statistics, weak localization, and conductance fluctuations. <i>Physical Review Letters</i> , 2009 , 102, 056806	7.4	123
151	Contact atomic structure and electron transport through molecules. <i>Journal of Chemical Physics</i> , 2005 , 122, 074704	3.9	118
150	Experimental studies of the acoustic signature of proton beams traversing fluid media. <i>Nuclear Instruments & Methods</i> , 1979 , 161, 203-217		118
149	Floquet Majorana fermions for topological qubits in superconducting devices and cold-atom systems. <i>Physical Review Letters</i> , 2013 , 111, 047002	7.4	112
148	Observation of quantum wire formation at intersecting quantum wells. <i>Applied Physics Letters</i> , 1992 , 61, 1956-1958	3.4	110
147	Near-perfect conduction through a ferrocene-based molecular wire. <i>Physical Review B</i> , 2005 , 71,	3.3	107
146	Organometallic spintronics: dicobaltocene switch. <i>Nano Letters</i> , 2005 , 5, 1959-62	11.5	104
145	Waveguide-QED-based photonic quantum computation. <i>Physical Review Letters</i> , 2013 , 111, 090502	7.4	101
144	Role of the exchange-correlation potential in ab initio electron transport calculations. <i>Journal of Chemical Physics</i> , 2007 , 126, 201102	3.9	99
143	Effect of phase breaking on quantum transport through chaotic cavities. <i>Physical Review B</i> , 1995 , 51, 4703-4706	3.3	95
142	Thermopower of molecular junctions: an ab initio study. <i>Nano Letters</i> , 2009 , 9, 1011-4	11.5	86
141	Molecular conductance: chemical trends of anchoring groups. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15897-904	16.4	84
140	Resistance fluctuations in multiprobe microstructures: Length dependence and nonlocality. <i>Physical Review B</i> , 1988 , 37, 6521-6524	3.3	83
139	Interactions and interference in quantum dots: Kinks in Coulomb-blockade peak positions. <i>Physical Review B</i> , 2000 , 61, R2425-R2428	3.3	81
138	Models of electrodes and contacts in molecular electronics. <i>Journal of Chemical Physics</i> , 2005 , 123, 11470-11479	3.9	78
137	Waveguide QED: Power spectra and correlations of two photons scattered off multiple distant qubits and a mirror. <i>Physical Review A</i> , 2015 , 91,	2.6	77
136	Cavity-free photon blockade induced by many-body bound states. <i>Physical Review Letters</i> , 2011 , 107, 223601	7.4	77
135	Suppression of the Aharonov-Bohm effect in the quantized Hall regime. <i>Physical Review B</i> , 1989 , 39, 6223-6230	7.5	75

134	Graphene rings in magnetic fields: Aharonov-Bohm effect and valley splitting. <i>Semiconductor Science and Technology</i> , 2010 , 25, 034003	1.8	70
133	Ballistic electrons in an inhomogeneous submicron structure: Thermal and contact effects. <i>Physical Review B</i> , 1984 , 30, 7349-7351	3.3	68
132	Organometallic molecular rectification. <i>Journal of Chemical Physics</i> , 2006 , 124, 024718	3.9	67
131	Negative differential resistance and hysteresis through an organometallic molecule from molecular-level crossing. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6274-5	16.4	66
130	Strongly correlated photons generated by coupling a three- or four-level system to a waveguide. <i>Physical Review A</i> , 2012 , 85,	2.6	65
129	Quenching of the Hall resistance in a novel geometry. <i>Physical Review Letters</i> , 1989 , 63, 996-999	7.4	65
128	Coulomb blockade of tunneling through a double quantum dot. <i>Physical Review B</i> , 1996 , 54, 5637-5646	3.3	63
127	Correlation-induced inhomogeneity in circular quantum dots. <i>Nature Physics</i> , 2006 , 2, 336-340	16.2	62
126	Tunneling spectroscopy of quantum charge fluctuations in the Coulomb blockade. <i>Physical Review B</i> , 1996 , 53, 1034-1037	3.3	61
125	. <i>Waves in Random and Complex Media</i> , 1999 , 9, 105-146		59
124	Quantum phase transition in a resonant level coupled to interacting leads. <i>Nature</i> , 2012 , 488, 61-4	50.4	57
123	Phonon decoherence of a double quantum dot charge qubit. <i>Physical Review B</i> , 2005 , 71,	3.3	57
122	Multiprobe electron waveguides: Filtering and bend resistances. <i>Physical Review B</i> , 1990 , 42, 11479-11495	3.3	55
121	Ballistic structure in the electron distribution function of small semiconducting structures: General features and specific trends. <i>Physical Review B</i> , 1987 , 36, 1487-1502	3.3	55
120	Generalized multipolaron expansion for the spin-boson model: Environmental entanglement and the biased two-state system. <i>Physical Review B</i> , 2014 , 90,	3.3	51
119	Exciting a Bound State in the Continuum through Multiphoton Scattering Plus Delayed Quantum Feedback. <i>Physical Review Letters</i> , 2019 , 122, 073601	7.4	50
118	Intermolecular effect in molecular electronics. <i>Journal of Chemical Physics</i> , 2005 , 122, 44703	3.9	49
117	Contact transparency of nanotube-molecule-nanotube junctions. <i>Physical Review Letters</i> , 2007 , 99, 146804	7.4	47

116	Stabilizing spin coherence through environmental entanglement in strongly dissipative quantum systems. <i>Physical Review B</i> , 2014 , 89,	3.3	46
115	Cobaltocene as a spin filter. <i>Journal of Chemical Physics</i> , 2007 , 127, 141104	3.9	46
114	Incipient Wigner localization in circular quantum dots. <i>Physical Review B</i> , 2007 , 76,	3.3	44
113	Electron transport through molecules: Gate-induced polarization and potential shift. <i>Physical Review B</i> , 2005 , 71,	3.3	44
112	Observation of Majorana quantum critical behaviour in a resonant level coupled to a dissipative environment. <i>Nature Physics</i> , 2013 , 9, 732-737	16.2	43
111	Short paths and information theory in quantum chaotic scattering: transport through quantum dots. <i>Europhysics Letters</i> , 1996 , 33, 465-470	1.6	40
110	Electron transport through single conjugated organic molecules: basis set effects in ab initio calculations. <i>Journal of Chemical Physics</i> , 2007 , 127, 144107	3.9	40
109	Time-dependent transport through molecular junctions. <i>Journal of Chemical Physics</i> , 2010 , 132, 234105	3.9	39
108	Random Berry phase magnetoresistance as a probe of interface roughness in Si MOSFETs. <i>Physical Review B</i> , 2001 , 64,	3.3	39
107	Interactions in chaotic nanoparticles: Fluctuations in Coulomb blockade peak spacings. <i>Physical Review B</i> , 2001 , 64,	3.3	38
106	One-dimensional waveguide coupled to multiple qubits: photon-photon correlations. <i>EPJ Quantum Technology</i> , 2014 , 1,	6.9	36
105	Chaos and Interacting Electrons in Ballistic Quantum Dots. <i>Physical Review Letters</i> , 1998 , 80, 895-899	7.4	35
104	Tunneling into a Two-Dimensional Electron Liquid in a Weak Magnetic Field. <i>Physical Review Letters</i> , 1995 , 74, 3435-3438	7.4	35
103	Localization in an inhomogeneous quantum wire. <i>Physical Review B</i> , 2009 , 80,	3.3	32
102	Reflection symmetric ballistic microstructures: Quantum transport properties. <i>Physical Review B</i> , 1996 , 54, R14297-R14300	3.3	32
101	Spectroscopy of the Kondo problem in a box. <i>Physical Review Letters</i> , 2006 , 96, 176802	7.4	30
100	Quantum-mechanical features in the resistance of a submicron junction. <i>Physical Review Letters</i> , 1991 , 66, 930-933	7.4	29
99	Interfaces within graphene nanoribbons. <i>New Journal of Physics</i> , 2009 , 11, 095022	2.9	28

98	Chaos in Quantum Dots: Dynamical Modulation of Coulomb Blockade Peak Heights. <i>Physical Review Letters</i> , 1999 , 83, 2640-2643	7.4	28
97	Quantum phase transitions of hard-core bosons in background potentials. <i>Physical Review Letters</i> , 2006 , 97, 115703	7.4	27
96	Interaction-induced strong localization in quantum dots. <i>Physical Review B</i> , 2008 , 77,	3.3	26
95	Spin and conductance-peak-spacing distributions in large quantum dots: a density-functional theory study. <i>Physical Review Letters</i> , 2003 , 90, 026806	7.4	26
94	Density-functional theory simulation of large quantum dots. <i>Physical Review B</i> , 2003 , 68,	3.3	26
93	Mesoscopic Kondo problem. <i>Europhysics Letters</i> , 2005 , 71, 973-979	1.6	26
92	Spin and $e\mathbb{B}$ interactions in quantum dots: Leading order corrections to universality and temperature effects. <i>Physical Review B</i> , 2002 , 66,	3.3	26
91	Decoherence by correlated noise and quantum error correction. <i>Physical Review Letters</i> , 2006 , 97, 040501	7.4	25
90	Exchange and the Coulomb blockade: Peak height statistics in quantum dots. <i>Physical Review B</i> , 2003 , 67,	3.3	25
89	Coulomb-blockade peak-spacing distribution: Interplay of temperature and spin. <i>Physical Review B</i> , 2001 , 64,	3.3	25
88	Coexistence of excitonic lasing with electron-hole plasma spontaneous emission in one-dimensional semiconductor structures. <i>Solid State Communications</i> , 2001 , 120, 423-427	1.6	24
87	Wireless propagation in buildings: a statistical scattering approach. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 947-955	6.8	24
86	Inequivalence of weak localization and coherent backscattering. <i>Physical Review B</i> , 1994 , 50, 8230-8244	3.3	24
85	Analytic Boltzmann equation approach for negative differential mobility in two-valley semiconductors. <i>Applied Physics Letters</i> , 1986 , 49, 176-178	3.4	23
84	Non-Markovian dynamics of a qubit due to single-photon scattering in a waveguide. <i>New Journal of Physics</i> , 2018 , 20, 043035	2.9	22
83	Zigzag phase transition in quantum wires. <i>Physical Review Letters</i> , 2013 , 110, 246802	7.4	22
82	Addition energies of fullerenes and carbon nanotubes as quantum dots: the role of symmetry. <i>Physical Review Letters</i> , 2003 , 91, 116803	7.4	22
81	Mesoscopic tunneling magnetoresistance. <i>Physical Review B</i> , 2001 , 63,	3.3	22

80	Semiclassical density functional theory: Strutinsky energy corrections in quantum dots. <i>Physical Review B</i> , 2001 , 63,	3.3	22
79	Conductance of quantum point contacts calculated using realistic potentials. <i>Superlattices and Microstructures</i> , 1991 , 9, 187-190	2.8	21
78	Sequential versus coherent tunneling in double-barrier diodes investigated by differential absorption spectroscopy. <i>Physical Review B</i> , 1991 , 44, 1353-1356	3.3	21
77	Real-space and magnetic-field correlation of quantum-resistance fluctuations in the ballistic regime in narrow GaAs-AlxGa. <i>Physical Review B</i> , 1988 , 37, 2745-2748	3.3	21
76	Nanotube-metal junctions: 2- and 3-terminal electrical transport. <i>Journal of Chemical Physics</i> , 2006 , 124, 181102	3.9	19
75	Resilient quantum computation in correlated environments: a quantum phase transition perspective. <i>Physical Review Letters</i> , 2007 , 98, 040501	7.4	18
74	The invariant measure for scattering matrices with block symmetries. <i>Journal of Physics A</i> , 1996 , 29, 881-888		18
73	Particle production in ultrastrong-coupling waveguide QED. <i>Physical Review A</i> , 2018 , 98,	2.6	18
72	Two-stage Kondo effect and Kondo-box level spectroscopy in a carbon nanotube. <i>Physical Review B</i> , 2010 , 82,	3.3	17
71	Semiclassical theory of Coulomb blockade peak heights in chaotic quantum dots. <i>Physical Review B</i> , 2001 , 64,	3.3	17
70	Multiple emitters in a waveguide: Nonreciprocity and correlated photons at perfect elastic transmission. <i>Physical Review A</i> , 2017 , 96,	2.6	16
69	Heralded Bell State of Dissipative Qubits Using Classical Light in a Waveguide. <i>Physical Review Letters</i> , 2019 , 122, 140502	7.4	15
68	Tunable quantum phase transitions in a resonant level coupled to two dissipative baths. <i>Physical Review B</i> , 2014 , 89,	3.3	15
67	Hamiltonian formulation of quantum error correction and correlated noise: Effects of syndrome extraction in the long-time limit. <i>Physical Review A</i> , 2008 , 78,	2.6	15
66	On the sign problem in the HirschBye algorithm for impurity problems. <i>Journal of Physics A</i> , 2005 , 38, 10307-10310		15
65	Fermi edge singularities in the mesoscopic regime: Anderson orthogonality catastrophe. <i>Physical Review B</i> , 2005 , 72,	3.3	14
64	Cluster algorithms for quantum impurity models and mesoscopic Kondo physics. <i>Physical Review B</i> , 2005 , 71,	3.3	14
63	Heterocontact effects in point-contact electron-phonon spectroscopy of the alkali metals. <i>Physical Review B</i> , 1985 , 31, 6197-6206	3.3	14

62	Interference of chiral Andreev edge states. <i>Nature Physics</i> , 2020 , 16, 862-867	16.2	13
61	Spin qubits in multielectron quantum dots. <i>Physical Review B</i> , 2004 , 69,	3.3	13
60	Electron-electron interactions in isolated and realistic quantum dots: A density functional theory study. <i>Physical Review B</i> , 2004 , 69,	3.3	13
59	Adiabatic turn-on and the asymptotic limit in linear-response theory for open systems. <i>Physical Review B</i> , 1993 , 48, 17569-17572	3.3	13
58	Geometrical effects on the Hall resistance in ballistic microstructures. <i>Surface Science</i> , 1990 , 229, 212-215	5.8	13
57	Photon correlations generated by inelastic scattering in a one-dimensional waveguide coupled to three-level systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 78, 92-99	3	12
56	Fermi-edge singularities in the mesoscopic x-ray edge problem. <i>Physical Review Letters</i> , 2004 , 93, 17680	7.4	12
55	Landau Fermi-liquid picture of spin density functional theory: Strutinsky approach to quantum dots. <i>Physical Review B</i> , 2004 , 70,	3.3	12
54	Quantum phase transition and emergent symmetry in a quadruple quantum dot system. <i>Physical Review Letters</i> , 2010 , 105, 256801	7.4	11
53	Quantum interference and complex photon statistics in waveguide QED. <i>Physical Review A</i> , 2018 , 97,	2.6	10
52	Mesoscopic fluctuations in quantum dots in the Kondo regime. <i>Physical Review B</i> , 2003 , 68,	3.3	10
51	Ballistic peaks in the distribution function from intervalley transfer in a submicron structure. <i>Applied Physics Letters</i> , 1987 , 51, 1708-1710	3.4	10
50	Transport signatures of Majorana quantum criticality realized by dissipative resonant tunneling. <i>Physical Review B</i> , 2014 , 89,	3.3	9
49	Anisotropy in ferromagnetic nanoparticles: Level-to-level fluctuations of a collective effect. <i>Europhysics Letters</i> , 2005 , 72, 110-116	1.6	9
48	Theory of Coulomb blockade of tunneling through a double quantum dot. <i>Surface Science</i> , 1996 , 361-362, 623-626	1.8	9
47	One-dimensional ballistic transport in AlGaAs/GaAs electron waveguides. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1989 , 7, 2039		9
46	Dynamics of a qubit in a high-impedance transmission line from a bath perspective. <i>Physical Review A</i> , 2016 , 93,	2.6	8
45	Ground state and excitations of quantum dots with magnetic impurities. <i>Physical Review B</i> , 2009 , 80,	3.3	8

44	Semiclassical approach to orbital magnetism of interacting diffusive quantum systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1997 , 1, 268-273	3	8
43	Quantum transport and chaos in semiconductor microstructures. <i>Physica D: Nonlinear Phenomena</i> , 1995 , 83, 30-45	3.3	8
42	Improving intrinsic decoherence in multiple-quantum-dot charge qubits. <i>Physical Review B</i> , 2007 , 76,	3.3	7
41	Interaction effects in the mesoscopic regime: A quantum Monte Carlo study of irregular quantum dots. <i>Physical Review B</i> , 2005 , 71,	3.3	7
40	Electronic transport through ballistic chaotic cavities: an information theoretic approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995 , 220, 15-23	3.3	7
39	Ballistic electrons in a submicron structure: The distribution function and two valley effects. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1985 , 134, 470-474		7
38	Relationship between resistance, localization length, and inelastic-scattering length. <i>Physical Review B</i> , 1992 , 45, 1488-1491	3.3	6
37	Bound on quantum computation time: Quantum error correction in a critical environment. <i>Physical Review A</i> , 2010 , 82,	2.6	5
36	Large excitonic confinement in asymmetric quantum T wires. <i>Superlattices and Microstructures</i> , 1997 , 22, 359-364	2.8	5
35	Level spacings in random matrix theory and Coulomb blockade peaks in quantum dots. <i>Physical Review B</i> , 2007 , 76,	3.3	5
34	Fermi edge singularities in the mesoscopic regime: Photoabsorption spectra. <i>Physical Review B</i> , 2007 , 76,	3.3	5
33	Interaction-induced magnetization of a two-dimensional electron gas. <i>Physical Review B</i> , 2000 , 62, 1935-1942	3.4	5
32	Rescuing a Quantum Phase Transition with Quantum Noise. <i>Physical Review Letters</i> , 2017 , 118, 050402	7.4	4
31	Decoy-state quantum key distribution with nonclassical light generated in a one-dimensional waveguide. <i>Optics Letters</i> , 2013 , 38, 622-4	3	4
30	Scrambling and gate-induced fluctuations in realistic quantum dots. <i>Physical Review B</i> , 2005 , 71,	3.3	4
29	Statistics of wave functions in disordered systems with applications to Coulomb blockade peak spacing. <i>Physical Review B</i> , 2005 , 72,	3.3	4
28	Experimental Studies of the Acoustic Signature of Proton Beams Traversing Fluid Media. <i>IEEE Transactions on Nuclear Science</i> , 1978 , 25, 325-332	1.7	4
27	Development of Ab Initio Calculation for Electron Transport and the Effects of Lead and Contact Structures in Molecular Electronics. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006 , 3, 819-823	0.3	4

26	Driven-dissipative phase transition in a Kerr oscillator: From semiclassical PT symmetry to quantum fluctuations. <i>Physical Review A</i> , 2021 , 103,	2.6	4
25	Mesoscopic Anderson box: Connecting weak to strong coupling. <i>Physical Review B</i> , 2012 , 85,	3.3	3
24	Studying the insulator-conductor interface with a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1995 , 66, 1352-1354	3.4	3
23	Stabilization of a Majorana zero mode through quantum frustration. <i>Physical Review B</i> , 2020 , 102,	3.3	2
22	From weak- to strong-coupling mesoscopic Fermi liquids. <i>Europhysics Letters</i> , 2012 , 97, 17006	1.6	2
21	Interactions and broken time-reversal symmetry in chaotic quantum dots. <i>Physical Review B</i> , 2005 , 71,	3.3	2
20	Quantum Monte Carlo study of disordered fermions. <i>Physical Review B</i> , 2005 , 72,	3.3	2
19	Multilevel algorithm for quantum-impurity models. <i>Physical Review E</i> , 2005 , 71, 036708	2.4	2
18	Coulomb blockade peak spacings: Interplay of spin and dot-lead coupling. <i>Physical Review B</i> , 2005 , 72,	3.3	2
17	Change in sign of the photocurrent in a coherent asymmetric superlattice. <i>Applied Physics Letters</i> , 1995 , 67, 3560-3562	3.4	2
16	Detecting photon-photon interactions in a superconducting circuit. <i>Physical Review B</i> , 2015 , 92,	3.3	1
15	Conductance of quantum impurity models from quantum Monte Carlo. <i>Physical Review B</i> , 2010 , 82,	3.3	1
14	Phonon decoherence in quantum dot qubits 2005 , 5815, 53		1
13	Conductance of a dissipative quantum dot: Nonequilibrium crossover near a non-Fermi-liquid quantum critical point. <i>Physical Review B</i> , 2021 , 104,	3.3	1
12	Selective Population of Modes in Electron Waveguides: Bend Resistances and Quenching of the Hall Resistance. <i>NATO ASI Series Series B: Physics</i> , 1990 , 121-132		1
11	Nonequilibrium quantum critical steady state: Transport through a dissipative resonant level. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
10	Chaos in Ballistic Nanostructures 1999 , 537-628		1
9	Reprint of : Photon correlations generated by inelastic scattering in a one-dimensional waveguide coupled to three-level systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 82, 71-78 ³		3

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7 Mesoscopic fluctuations in the Fermi-liquid regime of the Kondo problem. *European Physical Journal B*, **2013**, 86, 1 1.2

6 Kondo effect and mesoscopic fluctuations **2011**, 77, 769-779

5 Statistical wave scattering: from the atomic nucleus to mesoscopic systems to microwave cavities. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 306, 323-333 3.3

4 Quantum Wires and Ballistic Point Contacts **1989**, 317-417

3 Transport in Electron Waveguides: Filtering and Bend Resistances **1991**, 201-206

2 Potential Fluctuations in Heterostructure Devices. *NATO ASI Series Series B: Physics*, **1991**, 387-397

1 Coherent Ballistic Transport in Micro-Junctions: Quenching, Fluctuations, and Chaos **1992**, 44-61