Reinhold Egger

List of Publications by Citations

201 papers	6,917 citations	46 h-index	75 g-index
212 ext. papers	7,695 ext. citations	4 avg, IF	6.17 L-index

#	Paper	IF	Citations
201	Effective Low-Energy Theory for Correlated Carbon Nanotubes. *Physical Review Letters*, **1997**, 79, 5082-5085	7.4	438
200	Magnetic confinement of massless Dirac fermions in graphene. *Physical Review Letters*, **2007**, 98, 066802	7.4	373
199	Crossover from Fermi Liquid to Wigner Molecule Behavior in Quantum Dots. *Physical Review Letters* , **1999**, 82, 3320-3323	7.4	197
198	Majorana box qubits. *New Journal of Physics*, **2017**, 19, 012001	2.9	172
197	Iterative real-time path integral approach to nonequilibrium quantum transport. *Physical Review B*, **2008**, 77,	3.3	172
196	Correlated transport and non-Fermi-liquid behavior in single-wall carbon nanotubes. *European Physical Journal B*, **1998**, 3, 281-300	1.2	170
195	Low-temperature dynamical simulation of spin-boson systems. *Physical Review B*, **1994**, 50, 15210-15220	3.3	162
194	Luttinger Liquid Behavior in Multiwall Carbon Nanotubes. *Physical Review Letters*, **1999**, 83, 5547-5550	7.4	145
193	Friedel oscillations for interacting fermions in one dimension. *Physical Review Letters*, **1995**, 75, 3505-3508	7.4	131
192	Evidence for Luttinger-liquid behavior in crossed metallic single-wall nanotubes. *Physical Review Letters*, **2004**, 92, 216804	7.4	113
191	Josephson current through a nanoscale magnetic quantum dot. *Physical Review Letters*, **2004**, 93, 047002	7.4	110
190	Comparative study of theoretical methods for non-equilibrium quantum transport. *New Journal of Physics*, **2010**, 12, 043042	2.9	99
189	Towards Realistic Implementations of a Majorana Surface Code. *Physical Review Letters*, **2016**, 116, 050501	7.4	95
188	Anomalous Josephson current through a spin-orbit coupled quantum dot. *Physical Review Letters*, **2009**, 103, 147004	7.4	92
187	Current-induced forces in mesoscopic systems: A scattering-matrix approach. *Beilstein Journal of Nanotechnology*, **2012**, 3, 144-62	3	89
186	Scattering theory of current-induced forces in mesoscopic systems. *Physical Review Letters*, **2011**, 107, 036804	7.4	86
185	Conductance quantization and snake states in graphene magnetic waveguides. *Physical Review B*, **2008**, 77,	3.3	85

184	Roadmap to Majorana surface codes. *Physical Review B*, **2016**, 94,	3.3	84
183	Analytical solution of the bosonic three-body problem. *Physical Review Letters*, **2008**, 100, 140404	7.4	80
182	Vibration-induced correction to the current through a single molecule. *Physical Review B*, **2008**, 77,	3.3	79
181	Helical Luttinger liquid in topological insulator nanowires. *Physical Review Letters*, **2010**, 105, 136403	7.4	77
180	Spin-orbit coupling and electron spin resonance theory for carbon nanotubes. *Physical Review Letters*, **2002**, 88, 206402	7.4	75
179	Bulk and boundary zero-bias anomaly in multiwall carbon nanotubes. *Physical Review Letters*, **2001**, 87, 066401	7.4	72
178	Multiterminal Coulomb-Majorana junction. *Physical Review Letters*, **2013**, 110, 196401	7.4	69
177	Coulomb blockade of Majorana-fermion-induced transport. *Physical Review B*, **2011**, 84,	3.3	69
176	Majorana single-charge transistor. *Physical Review Letters*, **2012**, 109, 166403	7.4	68
175	Is the direct observation of electronic coherence in electron transfer reactions possible?. *Journal of Chemical Physics*, **1997**, 107, 8397-8408	3.9	67
174	Crossover from nonadiabatic to adiabatic electron transfer reactions: Multilevel blocking Monte Carlo simulations. *Journal of Chemical Physics*, **2003**, 118, 179-191	3.9	67
173	Acoustic phonon exchange, attractive interactions, and the Wentzel-Bardeen singularity in single-wall nanotubes. *Physical Review B*, **2003**, 67,	3.3	65
172	Dissipative Three-State System and the Primary Electron Transfer in the Bacterial Photosynthetic Reaction Center. *The Journal of Physical Chemistry*, **1994**, 98, 9903-9918		64
171	Iterative summation of path integrals for nonequilibrium molecular quantum transport. *Physical Review B*, **2012**, 85,	3.3	63
170	Spin transport in interacting quantum wires and carbon nanotubes. *Physical Review Letters*, **2000**, 85, 3464-7	7.4	63
169	Multichannel Kondo impurity dynamics in a Majorana device. *Physical Review Letters*, **2014**, 113, 076401	7.4	61
168	Electron-phonon scattering in topological insulators. *Physical Review B*, **2011**, 83,	3.3	60
167	Electron-phonon scattering in topological insulator thin films. *Physical Review B*, **2012**, 85,	3.3	58

166	Path-integral Monte Carlo simulations without the sign problem: multilevel blocking approach for effective actions. *Physical Review E*, **2000**, 61, 5961-6	2.4	57
165	Landauer-type transport theory for interacting quantum wires: application to carbon nanotube y junctions. *Physical Review Letters*, **2002**, 89, 226404	7.4	56
164	Magnetic barriers and confinement of Dirac□Weyl quasiparticles in graphene. *Solid State Communications*, **2007**, 144, 547-550	1.6	55
163	Low-energy theory of transport in Majorana wire junctions. *Physical Review B*, **2016**, 94,	3.3	53
162	Multilevel Blocking Approach to the Fermion Sign Problem in Path-Integral Monte Carlo Simulations. *Physical Review Letters*, **1998**, 81, 4533-4536	7.4	53
161	A multilevel blocking approach to the sign problem in real-time quantum Monte Carlo simulations. *Journal of Chemical Physics*, **1999**, 110, 12-14	3.9	53
160	Anomalous Josephson current, incipient time-reversal symmetry breaking, and Majorana bound states in interacting multilevel dots. *Physical Review B*, **2013**, 88,	3.3	52
159	Voltage-Biased Quantum Wire with Impurities. *Physical Review Letters*, **1996**, 77, 538-541	7.4	52
158	Quantum rates for nonadiabatic electron transfer. *Journal of Chemical Physics*, **1994**, 100, 2651-2660	3.9	52
157	Quantum Monte Carlo simulation of the dynamics of the spin-boson model. *European Physical Journal B*, **1992**, 89, 97-107	1.2	50
156	Applying voltage sources to a Luttinger liquid with arbitrary transmission. *Physical Review B*, **1998**, 58, 10761-10768	3.3	48
155	Confinement-induced resonances for a two-component ultracold atom gas in arbitrary quasi-one-dimensional traps. *New Journal of Physics*, **2005**, 7, 192-192	2.9	45
154	Crossover from coherent to incoherent dynamics in damped quantum systems. *Physical Review E*, **1997**, 55, R3809-R3812	2.4	44
153	Spin-dependent transport in a Luttinger liquid. *Physical Review B*, **2001**, 64,	3.3	44
152	Josephson current through a quantum dot with spin-orbit coupling. *Physical Review B*, **2007**, 75,	3.3	43
151	Atom-dimer scattering for confined ultracold fermion gases. *Physical Review Letters*, **2004**, 93, 170403	7.4	42
150	Supercurrent blockade in Josephson junctions with a Majorana wire. *Physical Review B*, **2012**, 85,	3.3	41
149	Low-energy theory and RKKY interaction for interacting quantum wires with Rashba spin-orbit coupling. *Physical Review B*, **2009**, 79,	3.3	39

148	Electroneutrality and the Friedel Sum Rule in a Luttinger Liquid. *Physical Review Letters*, **1997**, 79, 3463-3466	7.4	38
147	Dynamical effects in the calculation of quantum rates for electron transfer reactions. *Journal of Chemical Physics*, **1993**, 99, 2541-2549	3.9	38
146	Monte Carlo Methods for Real-Time Path Integration. *Advances in Chemical Physics*, **2007**, 39-76		37
145	Three-body problem for ultracold atoms in quasi-one-dimensional traps. *Physical Review A*, **2005**, 71,	2.6	37
144	Nonequilibrium Transport for Crossed Luttinger Liquids. *Physical Review Letters*, **1998**, 80, 2881-2884	7.4	36
143	Rate concept and retarded master equations for dissipative tight-binding models. *Physical Review E* , **1994**, 50, R655-R658	2.4	35
142	Coulomb charging energy for arbitrary tunneling strength. *Europhysics Letters*, **1997**, 38, 545-550	1.6	33
141	Transport properties of the Coulomb–Majorana junction. *New Journal of Physics*, **2014**, 16, 015010	2.9	32
140	Majorana qubits in a topological insulator nanoribbon architecture. *Physical Review B*, **2017**, 95,	3.3	31
139	Electron–electron interaction effects in quantum point contacts. *New Journal of Physics*, **2009**, 11, 023031	2.9	31
138	Energy spectrum and broken spin-surface locking in topological insulator quantum dots. *Physical Review B*, **2011**, 83,	3.3	31
137	Superconducting transport through a vibrating molecule. *Physical Review B*, **2006**, 73,	3.3	31
136	Four-body problem and BEC-BCS crossover in a quasi-one-dimensional cold fermion gas. *Physical Review Letters*, **2005**, 95, 080403	7.4	31
135	Low-temperature nonequilibrium transport in a Luttinger liquid. *Physical Review B*, **1995**, 52, 16707-16719	3.3	30
134	Transient fluctuation relations for time-dependent particle transport. *Physical Review B*, **2010**, 82,	3.3	29
133	Coulomb drag shot noise in coupled Luttinger liquids. *Physical Review Letters*, **2002**, 88, 116401	7.4	29
132	Non-Fermi-liquid manifold in a Majorana device. *Physical Review Letters*, **2014**, 113, 076404	7.4	27
131	Exact results for one-dimensional disordered bosons with strong repulsion. *Physical Review Letters*, **2005**, 94, 060402	7.4	27

130	Path-integral Monte Carlo simulations for interacting few-electron quantum dots with spin-orbit coupling. *Physical Review B*, **2005**, 72,	3.3	27
129	Electric-dipole-induced universality for Dirac fermions in graphene. *Physical Review Letters*, **2014**, 112, 186603	7.4	26
128	Tomonaga-Luttinger liquid parameters of magnetic waveguides in graphene. *Physical Review B*, **2008**, 78,	3.3	26
127	Impurity effects in few-electron quantum dots: Incipient Wigner molecule regime. *Europhysics Letters*, **2003**, 64, 84-90	1.6	26
126	Destruction of interference by many-body interactions in cold atomic Bose gases. *Physical Review A* , **2003**, 68,	2.6	26
125	RKKY interaction and Kondo screening cloud for strongly correlated electrons. *Physical Review B*, **1996**, 54, 16337-16340	3.3	26
124	Emerging Dirac and Majorana fermions for carbon nanotubes with proximity-induced pairing and spiral magnetic field. *Physical Review B*, **2012**, 85,	3.3	25
123	Tunneling spectroscopy of Majorana-Kondo devices. *Physical Review B*, **2014**, 90,	3.3	24
122	Phonon-phonon interactions and phonon damping in carbon nanotubes. *Physical Review B*, **2009**, 79,	3.3	24
121	Artificial atoms in interacting graphene quantum dots. *Physical Review B*, **2009**, 80,	3.3	24
120	Ultracold bosons in lattices with binary disorder. *Physical Review A*, **2008**, 77,	2.6	24
119	Bethe ansatz solution of the topological Kondo model. *Journal of Physics A: Mathematical and Theoretical*, **2014**, 47, 265001	2	23
118	Landau levels, edge states, and strained magnetic waveguides in graphene monolayers with enhanced spin-orbit interaction. *Physical Review B*, **2011**, 84,	3.3	23
117	Features due to spin-orbit coupling in the optical conductivity of single-layer graphene. *Physical Review B*, **2010**, 81,	3.3	23
116	Transport theory of carbon nanotube Y junctions. *New Journal of Physics*, **2003**, 5, 117-117	2.9	23
115	Quantum Monte Carlo study of tunneling diffusion in a dissipative multistate system. *Physical Review E*, **1994**, 49, 1997-2008	2.4	23
114	Nonlinear magnetotransport in interacting chiral nanotubes. *Physical Review Letters*, **2006**, 97, 076402	7.4	22
113	Tomonaga-Luttinger liquid and Coulomb blockade in multiwall carbon nanotubes under pressure. *Physical Review Letters*, **2006**, 97, 176401	7.4	21

112	Weak Measurement Protocols for Majorana Bound State Identification. *Physical Review Letters*, **2020**, 124, 096801	7.4	20
111	Superconducting nonequilibrium transport through a weakly interacting quantum dot. *Physical Review B*, **2008**, 77,	3.3	20
110	Scaling and criticality of the Kondo effect in a Luttinger liquid. *Physical Review B*, **1998**, 57, 10620-10629	3.3	20
109	Dynamical simulation of transport in one-dimensional quantum wires. *Physical Review Letters*, **1995**, 75, 3344-3347	7.4	20
108	Quasiparticle trapping, Andreev level population dynamics, and charge imbalance in superconducting weak links. *Physical Review B*, **2014**, 90,	3.3	19
107	Effective low-energy theory of superconductivity in carbon nanotube ropes. *Physical Review B*, **2004**, 70,	3.3	19
106	Iterative path integral summation for nonequilibrium quantum transport. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 2298-2314	1.3	18
105	Magnetic scattering of Dirac fermions in topological insulators and graphene. *Physical Review B*, **2010**, 82,	3.3	18
104	Two-impurity Kondo problem for correlated electrons. *Physical Review B*, **1997**, 55, R8646-R8649	3.3	18
103	Current-induced nonadiabatic spin torques and domain-wall motion with spin relaxation in a ferromagnetic metallic wire. *Physical Review B*, **2007**, 76,	3.3	18
102	Electron transfer rates for asymmetric reactions. *Chemical Physics*, **2004**, 296, 193-199	2.3	18
101	ESR theory for interacting 1D quantum wires. *Europhysics Letters*, **2001**, 56, 570-575	1.6	18
100	Current bistability and hysteresis in strongly correlated quantum wires. *Physical Review Letters*, **2000**, 84, 3682-5	7.4	18
99	Transport and Coulomb drag for two interacting carbon nanotubes. *European Physical Journal B*, **2001**, 19, 271-280	1.2	18
98	Josephson effect for SU(4) carbon-nanotube quantum dots. *Physical Review B*, **2010**, 81,	3.3	17
97	On the spectrum of a magnetic quantum dot in graphene. *Semiconductor Science and Technology*, **2010**, 25, 034006	1.8	17
96	Josephson-current-induced conformational switching of a molecular quantum dot. *Physical Review Letters*, **2009**, 102, 047002	7.4	17
95	Exact Fermi-edge singularity exponent in a Luttinger liquid. *Physical Review B*, **1997**, 56, 1153-1160	3.3	17

94	Charging effects in quantum wires. *Physical Review B*, **1997**, 55, 9929-9934	3.3	17
93	Superconductivity in ropes of carbon nanotubes. *Solid State Communications*, **2004**, 131, 615-623	1.6	17
92	Kondo physics from quasiparticle poisoning in Majorana devices. *Physical Review B*, **2016**, 93,	3.3	16
91	Josephson effect in multiterminal topological junctions. *Physical Review B*, **2017**, 96,	3.3	16
90	Even□odd parity effects in Majorana junctions. *New Journal of Physics*, **2013**, 15, 035033	2.9	16
89	Finite-size version of the excitonic instability in graphene quantum dots. *Physical Review B*, **2011**, 84,	3.3	16
88	From Luttinger liquid to Altshuler-Aronov anomaly in multichannel quantum wires. *Physical Review B*, **2007**, 75,	3.3	16
87	Resonant tunneling in a Luttinger liquid for arbitrary barrier transmission. *Europhysics Letters*, **2004**, 66, 565-571	1.6	15
86	Simulating topological tensor networks with Majorana qubits. *Physical Review B*, **2019**, 99,	3.3	14
85	Low-dimensional approach to pair production in an oscillating electric field: Application to bandgap graphene layers. *Physical Review D*, **2016**, 93,	4.9	14
84	Chiral interface states in graphene p□ junctions. *Physical Review B*, **2016**, 94,	3.3	14
83	Spin-orbit coupling and spectral function of interacting electrons in carbon nanotubes. *Physical Review B*, **2010**, 82,	3.3	14
82	On the mechanism of the primary charge separation in bacterial photosynthesis. *Chemical Physics Letters*, **1995**, 238, 149-155	2.5	14
81	Giant Shot Noise from Majorana Zero Modes in Topological Trijunctions. *Physical Review Letters*, **2019**, 122, 097003	7.4	13
80	Signatures of Wigner molecule formation in interacting Dirac fermion quantum dots. *Physical Review B*, **2011**, 83,	3.3	13
79	Intrinsic Coulomb blockade in multi-wall carbon nanotubes. *Chemical Physics*, **2002**, 281, 447-454	2.3	13
78	Rashba spin□rbit coupling and spin precession in carbon nanotubes. *Journal of Physics Condensed Matter*, **2005**, 17, 5523-5532	1.8	13
77	RKKY interaction for strongly correlated electrons. *European Physical Journal D*, **1996**, 46, 1909-1910		13

76	Scattering theory and ground-state energy of Dirac fermions in graphene with two Coulomb impurities. *European Physical Journal B*, **2014**, 87, 1	1.2	12
75	Majorana entanglement bridge. *Physical Review B*, **2015**, 91,	3.3	12
74	Fluctuation relations and rare realizations of transport observables. *Physical Review Letters*, **2010**, 105, 170601	7.4	12
73	Multiparticle equations for interacting Dirac fermions in magnetically confined graphene quantum dots. *Journal of Physics A: Mathematical and Theoretical*, **2010**, 43, 215202	2	12
72	Nonequilibrium dephasing in Coulomb blockaded quantum dots. *Physical Review Letters*, **2009**, 102, 026805	7.4	12
71	6Josephson Effect in Majorana Box Devices. *Physical Review Letters*, **2017**, 118, 057001	7.4	11
70	Hanbury Brown and Twiss noise correlations in a topological superconductor beam splitter. *Physical Review B*, **2017**, 95,	3.3	11
69	Charge qubit entanglement in double quantum dots. *Europhysics Letters*, **2006**, 76, 905-911	1.6	11
68	Correlated sequential tunneling through a double barrier for interacting one-dimensional electrons. *Physical Review B*, **2005**, 72,	3.3	11
67	Nanoscale atomic waveguides with suspended carbon nanotubes. *Applied Physics B: Lasers and Optics*, **2005**, 81, 1075-1080	1.9	11
66	Siano and Egger Reply:. *Physical Review Letters*, **2005**, 94,	7.4	11
65	van Hove singularities in disordered multichannel quantum wires and nanotubes. *Physical Review B*, **2002**, 66,	3.3	11
64	Parity-to-charge conversion in Majorana qubit readout. *Physical Review Research*, **2020**, 2,	3.9	11
63	Spin□rbit coupling and electron spin resonance for interacting electrons in carbon nanotubes. *Journal of Physics Condensed Matter*, **2004**, 16, S1437-S1452	1.8	10
62	Fidelity and visibility loss in Majorana qubits by entanglement with environmental modes. *Physical Review B*, **2019**, 99,	3.3	9
61	Nonequilibrium Rashba field driven domain wall motion in ferromagnetic nanowires. *Physical Review B*, **2013**, 87,	3.3	9
60	Non-Abelian Berry phase for open quantum systems: Topological protection versus geometric dephasing. *Physical Review B*, **2019**, 100,	3.3	8
59	Adiabatic polaron dynamics and Josephson effect in a superconducting molecular quantum dot. *Physical Review B*, **2010**, 81,	3.3	8

58	Fermi-Liquid Approach for Superconducting Kondo Problems. *Physical Review Letters*, **2018**, 121, 207701	7.4	8
57	Simulating dynamically assisted production of Dirac pairs in gapped graphene monolayers. *Physical Review D*, **2019**, 99,	4.9	7
56	Dimensionality-Driven Photoproduction of Massive Dirac Pairs near Threshold in Gapped Graphene Monolayers. *Physical Review Letters*, **2020**, 124, 110403	7.4	7
55	Measurement and control of a Coulomb-blockaded parafermion box. *Physical Review B*, **2018**, 97,	3.3	7
54	Non-Abelian Geometric Dephasing. *Physical Review Letters*, **2019**, 123, 060405	7.4	7
53	Luttinger Liquid Behavior in Metallic Carbon Nanotubes. *Lecture Notes in Physics*, **2001**, 125-146	0.8	7
52	Towards dark space stabilization and manipulation in driven dissipative Majorana platforms. *Physical Review B*, **2020**, 102,	3.3	7
51	Nontopological Majorana Zero Modes in Inhomogeneous Spin Ladders. *Physical Review Letters*, **2019**, 122, 027201	7.4	7
50	Josephson effect in junctions of conventional and topological superconductors. *Beilstein Journal of Nanotechnology*, **2018**, 9, 1659-1676	3	7
49	Two-electron bound states near a Coulomb impurity in gapped graphene. *Physical Review B*, **2017**, 95,	3.3	6
48	Bound States and Supercriticality in Graphene-Based Topological Insulators. *Crystals*, **2013**, 3, 14-27	2.3	6
47	Exact solution of the three-boson problem at vanishing energy. *Comptes Rendus Physique*, **2011**, 12, 27-38	1.4	6
46	Coherent nuclear motion in a condensed-phase environment: Wave-packet approach and pump–probe spectroscopy. *Journal of Chemical Physics*, **1999**, 110, 5851-5860	3.9	6
45	Effect of irrelevant boundary scaling operators. *Physical Review B*, **1999**, 60, R5113-R5116	3.3	6
44	Driven Dissipative Majorana Dark Spaces. *Physical Review Letters*, **2020**, 125, 147701	7.4	6
43	Chiral Y junction of quantum spin chains. *Nuclear Physics B*, **2019**, 941, 794-837	2.8	5
42	Two-impurity helical Majorana problem. *Physical Review B*, **2015**, 91,	3.3	5
41	Quantum spin circulator in Y junctions of Heisenberg chains. *Physical Review B*, **2018**, 97,	3.3	5

40	Particle transport in graphene nanoribbon driven by ultrashort pulses. *European Physical Journal B*, **2014**, 87, 1	1.2	5
39	Crossover from Fermi liquid to Wigner molecule behaviour in parabolic quantum dots. *Physica B: Condensed Matter*, **2000**, 284-288, 1772-1773	2.8	5
38	Quantum transport in coupled Majorana box systems. *Physical Review B*, **2018**, 97,	3.3	5
37	Spin Chain Network Construction of Chiral Spin Liquids. *Physical Review Letters*, **2019**, 123, 137202	7.4	4
36	Interaction-induced conductance from zero modes in a clean magnetic graphene waveguide. *Physical Review B*, **2015**, 92,	3.3	4
35	Orbital Ferromagnetism in Interacting Few-Electron Dots with Strong Spin-Orbit Coupling. *Physical Review X*, **2014**, 4,	9.1	4
34	Critical Josephson current through a bistable single-molecule junction. *Physical Review B*, **2009**, 79,	3.3	4
33	Interaction correction to the conductivity of disordered multi-wall carbon nanotubes. *Semiconductor Science and Technology*, **2006**, 21, S46-S51	1.8	4
32	Parafermionic generalization of the topological Kondo effect. *Physical Review B*, **2018**, 97,	3.3	4
31	Focus on nonequilibrium fluctuation relations: from classical to quantum. *New Journal of Physics*, **2015**, 17, 020201	2.9	3
30	Boundary Green's function approach for spinful single-channel and multichannel Majorana nanowires. *Physical Review B*, **2020**, 101,	3.3	3
29	Static and dynamic image potential for tunneling into a Luttinger liquid. *Solid State Communications* , **2000**, 117, 93-97	1.6	3
28	Superconductivity from piezoelectric interactions in Weyl semimetals. *Physical Review B*, **2019**, 100,	3.3	2
27	Proximity-induced superconductivity in Landau-quantized graphene monolayers. *Physical Review B*, **2017**, 96,	3.3	2
26	Interaction-induced harmonic frequency mixing in quantum dots. *Physical Review Letters*, **2008**, 101, 036806	7.4	2
25	MULTILEVEL BLOCKING MONTE CARLO SIMULATIONS FOR QUANTUM DOTS. *International Journal of Modern Physics B*, **2001**, 15, 1416-1425	1.1	2
24	Transport and Coulomb blockade in carbon nanotubes. *Physica B: Condensed Matter*, **2000**, 284-288, 1748-1749	2.8	2
23	Multi-particle interferometry in the time-energy domain with localized topological quasiparticles. *Physical Review Research*, **2020**, 2,	3.9	2

22	Electrical Access to Ising Anyons in Kitaev Spin Liquids. *Physical Review Letters*, **2020**, 125, 227202	7.4	2
21	Evidence of Majorana fermions in the noise characteristic of normal metal–topological superconductor junctions. *European Physical Journal: Special Topics*, **2020**, 229, 577-592	2.3	1
20	Spin transport and bipolaron density in organic polymers. *Journal of Physics Condensed Matter*, **2009**, 21, 415302	1.8	1
19	Luttinger liquid behavior in carbon nanotubes **2000**, 219-231		1
18	Coulomb charging at large conduction. *European Physical Journal D*, **1996**, 46, 2387-2388		1
17	Multiparticle scattering and breakdown of the Wiedemann-Franz law at a junction of N interacting quantum wires. *Physical Review B*, **2022**, 105,	3.3	1
16	Phase diagram and phonon-induced backscattering in topological insulator nanowires. *Physical Review B*, **2020**, 101,	3.3	1
15	Interaction Effects on Transport in Majorana Nanowires **2015**, 377-400		
14	Transport Through a Coulomb Blockaded Majorana Nanowire. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2013**, 63-76	0.2	
13	Landau Levels and Edge States in Graphene with Strong Spin-Orbit Coupling. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2013**, 97-117	0.2	
12	Nonequilibrium Transport and Dephasing in Coulomb-Blockaded Quantum Dots. *Lecture Notes in Physics*, **2012**, 215-244	0.8	
11	Correlated transport in carbon nanotubes. *Physica E: Low-Dimensional Systems and Nanostructures*, **1997**, 1, 313-316	3	
10	Electronic transport in carbon nanotubes. *Les Houches Summer School Proceedings*, **2005**, 81, 583-584		
9	Correlated sequential tunneling in Tomonaga–Luttinger liquid quantum dots. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 218-225	1.3	
8	Electron-electron interaction effects in single-wall carbon nanotubes **1999**, 411-424		
7	Voltage-biased quantum wire with impurities. *European Physical Journal D*, **1996**, 46, 2385-2386		
6	Topological Kondo Effect. *Springer Proceedings in Physics*, **2020**, 131-153	0.2	
5	Transport through Intrinsic Quantum Dots in Interacting Carbon Nanotubes **2006**, 229-249		

List of Publications

4	Multi-Terminal Carbon Nanotube Networks **2003**, 581-588	
3	Friedel Oscillations in Luttinger Liquids **1996**, 133-158	
2	On the Finite-Size Excitonic Instability in Interacting Graphene Quantum Dots. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2013**, 1-14	0.2
1	Finite-temperature corrections to the Lorenz ratio at the N = 3 topological Kondo fixed point. *Journal of Physics: Conference Series*, **2022**, 2164, 012060	0.3