

Rosario Fazio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

383
papers

16,617
citations

62
h-index

117
g-index

396
ext. papers

18,745
ext. citations

4.3
avg, IF

6.87
L-index

#	Paper	IF	Citations
383	Seeding Crystallization in Time.. <i>Physical Review Letters</i> , 2022 , 128, 080603	7.4	0
382	Thermal rectification through a nonlinear quantum resonator. <i>Physical Review B</i> , 2021 , 103,	3.3	5
381	Optimizing autonomous thermal machines powered by energetic coherence. <i>New Journal of Physics</i> , 2021 , 23, 043024	2.9	9
380	Non-Abelian Thouless pumping in a photonic lattice. <i>Physical Review A</i> , 2021 , 103,	2.6	1
379	Chaos and subdiffusion in infinite-range coupled quantum kicked rotors. <i>Physical Review B</i> , 2021 , 103,	3.3	1
378	Measurement-induced entanglement transitions in the quantum Ising chain: From infinite to zero clicks. <i>Physical Review B</i> , 2021 , 103,	3.3	14
377	Dynamical Mean-Field Theory for Markovian Open Quantum Many-Body Systems. <i>Physical Review X</i> , 2021 , 11,	9.1	2
376	From nonequilibrium Green's functions to quantum master equations for the density matrix and out-of-time-order correlators: Steady-state and adiabatic dynamics. <i>Physical Review B</i> , 2021 , 104,	3.3	2
375	Quantum Simulations with Superconducting Networks. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 1643-1646	1.5	
374	Dissipative phase transitions in the fully connected Ising model with p-spin interaction. <i>Physical Review A</i> , 2021 , 103,	2.6	3
373	On the stability of the infinite Projected Entangled Pair Operator ansatz for driven-dissipative 2D lattices. <i>SciPost Physics Core</i> , 2021 , 4,	3.9	2
372	Thermodynamics of Gambling Demons. <i>Physical Review Letters</i> , 2021 , 126, 080603	7.4	10
371	Discrete truncated Wigner approach to dynamical phase transitions in Ising models after a quantum quench. <i>Physical Review B</i> , 2020 , 102,	3.3	4
370	Slow heating in a quantum coupled kicked rotors system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 024008	1.9	7
369	Quantum synchronization in nanoscale heat engines. <i>Physical Review E</i> , 2020 , 101, 020201	2.4	13
368	Many-body dynamical localization in the kicked Bose-Hubbard chain. <i>Physical Review B</i> , 2020 , 101,	3.3	8
367	Homogeneous Floquet time crystal protected by gauge invariance. <i>Physical Review Research</i> , 2020 , 2,	3.9	16

366	Synchronization along quantum trajectories. <i>Physical Review Research</i> , 2020 , 2,	3.9	15
365	Generalized measure of quantum synchronization. <i>Physical Review Research</i> , 2020 , 2,	3.9	5
364	Quantum clock models with infinite-range interactions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 073107	1.9	
363	Time crystals in the driven transverse field Ising model under quasiperiodic modulation. <i>New Journal of Physics</i> , 2020 , 22, 125001	2.9	1
362	Geometric properties of adiabatic quantum thermal machines. <i>Physical Review B</i> , 2020 , 102,	3.3	15
361	Nonergodic behavior of the clean Bose-Hubbard chain. <i>Physical Review B</i> , 2020 , 102,	3.3	4
360	Measurement-induced criticality in (2+1)-dimensional hybrid quantum circuits. <i>Physical Review B</i> , 2020 , 102,	3.3	22
359	Engineering statistical transmutation of identical quantum particles. <i>Physical Review B</i> , 2019 , 99,	3.3	3
358	Quantum Martingale Theory and Entropy Production. <i>Physical Review Letters</i> , 2019 , 122, 220602	7.4	10
357	Floquet time crystals in clock models. <i>Physical Review B</i> , 2019 , 99,	3.3	41
356	Quantum heat switch with multiple qubits. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 1722-1727	2.3	4
355	Hidden order in quantum many-body dynamics of driven-dissipative nonlinear photonic lattices. <i>Physical Review A</i> , 2019 , 99,	2.6	7
354	Many-Body Synchronization in a Classical Hamiltonian System. <i>Physical Review Letters</i> , 2019 , 123, 184301	7.4	11
353	Quantum Superconducting Networks: From Josephson to QED Arrays. <i>Springer Series in Materials Science</i> , 2019 , 743-764	0.9	
352	Emergent finite frequency criticality of driven-dissipative correlated lattice bosons. <i>Physical Review B</i> , 2019 , 99,	3.3	8
351	Boosting the performance of small autonomous refrigerators via common environmental effects. <i>New Journal of Physics</i> , 2019 , 21, 123026	2.9	17
350	Fast and accurate Cooper pair pump. <i>Physical Review B</i> , 2019 , 100,	3.3	2
349	Squeezing Enhances Quantum Synchronization. <i>Physical Review Letters</i> , 2018 , 120, 163601	7.4	41

348	Topological phases in frustrated synthetic ladders with an odd number of legs. <i>Physical Review A</i> , 2018 , 97,	2.6	8
347	From localization to anomalous diffusion in the dynamics of coupled kicked rotors. <i>Physical Review E</i> , 2018 , 97, 022202	2.4	26
346	Linked cluster expansions for open quantum systems on a lattice. <i>Physical Review B</i> , 2018 , 97,	3.3	24
345	Absorption refrigerators based on Coulomb-coupled single-electron systems. <i>Physical Review B</i> , 2018 , 98,	3.3	36
344	Boundary Time Crystals. <i>Physical Review Letters</i> , 2018 , 121, 035301	7.4	84
343	Thermal drag in electronic conductors. <i>Physical Review B</i> , 2018 , 98,	3.3	14
342	Persistent currents by reservoir engineering. <i>Physical Review A</i> , 2018 , 98,	2.6	11
34 ¹	Quantum correlations and limit cycles in the driven-dissipative Heisenberg lattice. <i>New Journal of Physics</i> , 2018 , 20, 045004	2.9	14
34 ⁰	Measuring quantumness: from theory to observability in interferometric setups. <i>European Physical Journal D</i> , 2018 , 72, 1	1.3	4
339	Phase diagram of the dissipative quantum Ising model on a square lattice. <i>Physical Review B</i> , 2018 , 98,	3.3	20
338	Scrambling and entanglement spreading in long-range spin chains. <i>Physical Review B</i> , 2018 , 98,	3.3	65
337	Multipartite entanglement after a quantum quench. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 053104	1.9	15
336	Critical dynamical properties of a first-order dissipative phase transition. <i>Physical Review A</i> , 2017 , 95,	2.6	76
335	Direct comparison of quantum and simulated annealing on a fully connected Ising ferromagnet. <i>Physical Review A</i> , 2017 , 96,	2.6	18
334	Feedback-controlled heat transport in quantum devices: theory and solid-state experimental proposal. <i>New Journal of Physics</i> , 2017 , 19, 053027	2.9	18
333	One-dimensional repulsive Fermi gas in a tunable periodic potential. <i>Physical Review A</i> , 2017 , 96,	2.6	8
332	Stabilizing strongly correlated photon fluids with non-Markovian reservoirs. <i>Physical Review A</i> , 2017 , 96,	2.6	34
33 ¹	Density of states of many-body quantum systems from tensor networks. <i>Physical Review B</i> , 2017 , 96,	3.3	4

330	Floquet time crystal in the Lipkin-Meshkov-Glick model. <i>Physical Review B</i> , 2017 , 95,	3.3	93
329	Topological Fractional Pumping with Alkaline-Earth-Like Atoms in Synthetic Lattices. <i>Physical Review Letters</i> , 2017 , 118, 230402	7.4	47
328	Critical behavior of dissipative two-dimensional spin lattices. <i>Physical Review B</i> , 2017 , 95,	3.3	42
327	Laughlin-like States in Bosonic and Fermionic Atomic Synthetic Ladders. <i>Physical Review X</i> , 2017 , 7,	9.1	48
326	Dissipative Landau-Zener problem and thermally assisted Quantum Annealing. <i>Physical Review B</i> , 2017 , 96,	3.3	24
325	Phase diagram of incoherently driven strongly correlated photonic lattices. <i>Physical Review A</i> , 2017 , 96,	2.6	46
324	Majorana Quasiparticles Protected by Z_2 Angular Momentum Conservation. <i>Physical Review Letters</i> , 2017 , 118, 200404	7.4	14
323	Thermoelectric properties of an interacting quantum dot based heat engine. <i>Physical Review B</i> , 2017 , 95,	3.3	51
322	Dissipation in adiabatic quantum computers: lessons from an exactly solvable model. <i>New Journal of Physics</i> , 2017 , 19, 113029	2.9	33
321	Coupled qubits as a quantum heat switch. <i>Quantum Science and Technology</i> , 2017 , 2, 044007	5.5	22
320	Resilience of hidden order to symmetry-preserving disorder. <i>Physical Review B</i> , 2017 , 96,	3.3	3
319	Strongly Correlated Polaritons in Nonlinear Cavity Arrays. <i>Quantum Science and Technology</i> , 2017 , 1-21	1.2	
318	Finite-frequency noise in a topological superconducting wire. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 75, 15-21	3	16
317	Dissipation, correlation and lags in heat engines. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 345002	2	19
316	Local shortcut to adiabaticity for quantum many-body systems. <i>Physical Review A</i> , 2016 , 93,	2.6	16
315	Dissipative topological superconductors in number-conserving systems. <i>Physical Review B</i> , 2016 , 93,	3.3	27
314	Energy transport between two integrable spin chains. <i>Physical Review B</i> , 2016 , 93,	3.3	48
313	Exotic Attractors of the Nonequilibrium Rabi-Hubbard Model. <i>Physical Review Letters</i> , 2016 , 116, 143603	7.4	41

312	Local quantum thermal susceptibility. <i>Nature Communications</i> , 2016 , 7, 12782	17.4	60
311	Synthetic gauge fields in synthetic dimensions: interactions and chiral edge modes. <i>New Journal of Physics</i> , 2016 , 18, 035010	2.9	44
310	Signatures of many-body localization in the dynamics of two-site entanglement. <i>Physical Review B</i> , 2016 , 94,	3.3	24
309	Reprint of : Finite-frequency noise in a topological superconducting wire. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 82, 254-260	3	1
308	Superfluid density and quasi-long-range order in the one-dimensional disordered Bose-Hubbard model. <i>New Journal of Physics</i> , 2016 , 18, 015015	2.9	18
307	The power of a critical heat engine. <i>Nature Communications</i> , 2016 , 7, 11895	17.4	157
306	Entanglement entropy in a periodically driven Ising chain. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 073101	1.9	18
305	Cluster Mean-Field Approach to the Steady-State Phase Diagram of Dissipative Spin Systems. <i>Physical Review X</i> , 2016 , 6,	9.1	84
304	Destruction of string order after a quantum quench. <i>Physical Review B</i> , 2016 , 94,	3.3	11
303	Thermopower of three-terminal topological superconducting systems. <i>Physical Review B</i> , 2015 , 91,	3.3	12
302	Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. <i>New Journal of Physics</i> , 2015 , 17, 013015	2.9	14
301	Nonequilibrium fluctuations in quantum heat engines: theory, example, and possible solid state experiments. <i>New Journal of Physics</i> , 2015 , 17, 035012	2.9	124
300	All-optical non-Markovian stroboscopic quantum simulator. <i>Physical Review A</i> , 2015 , 91,	2.6	38
299	Photon transport in a dissipative chain of nonlinear cavities. <i>Physical Review A</i> , 2015 , 91,	2.6	40
298	Phase diagram of a QED-cavity array coupled via a N-type level scheme. <i>EPJ Quantum Technology</i> , 2015 , 2,	6.9	1
297	Shortcut to adiabaticity in the Lipkin-Meshkov-Glick model. <i>Physical Review Letters</i> , 2015 , 114, 177206	7.4	72
296	Efficiency of quantum controlled non-Markovian thermalization. <i>New Journal of Physics</i> , 2015 , 17, 063031	3.9	21
295	Magnetic crystals and helical liquids in alkaline-earth fermionic gases. <i>Nature Communications</i> , 2015 , 6, 8134	17.4	64

294	Thermalization in a periodically driven fully connected quantum Ising ferromagnet. <i>Europhysics Letters</i> , 2015 , 110, 37005	1.6	30
293	Nanoscale Mach-Zehnder interferometer with spin-resolved quantum Hall edge states. <i>Physical Review B</i> , 2015 , 92,	3.3	11
292	Simulation and detection of photonic Chern insulators in a one-dimensional circuit-QED lattice. <i>Physical Review A</i> , 2015 , 92,	2.6	29
291	Separation of heat and charge currents for boosted thermoelectric conversion. <i>Physical Review B</i> , 2015 , 91,	3.3	33
290	Localized Majorana-Like Modes in a Number-Conserving Setting: An Exactly Solvable Model. <i>Physical Review Letters</i> , 2015 , 115, 156402	7.4	48
289	Magnetic thermal switch for heat management at the nanoscale. <i>Physical Review B</i> , 2015 , 91,	3.3	19
288	Mutual information as an order parameter for quantum synchronization. <i>Physical Review A</i> , 2015 , 91,	2.6	73
287	Complexity of controlling quantum many-body dynamics. <i>Physical Review A</i> , 2014 , 89,	2.6	22
286	Steady-state entanglement activation in optomechanical cavities. <i>Physical Review A</i> , 2014 , 89,	2.6	20
285	Thermoelectric efficiency of three-terminal quantum thermal machines. <i>New Journal of Physics</i> , 2014 , 16, 085001	2.9	68
284	The XYZ chain with Dzyaloshinsky-Moriya interactions: from spin-orbit-coupled lattice bosons to interacting Kitaev chains. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014 , 2014, P09005	1.9	27
283	Steady-state phase diagram of a driven QED-cavity array with cross-Kerr nonlinearities. <i>Physical Review A</i> , 2014 , 90,	2.6	49
282	Out-of-equilibrium dynamics and thermalization of string order. <i>Physical Review B</i> , 2014 , 90,	3.3	12
281	Quantum transducer in circuit optomechanics. <i>Solid State Communications</i> , 2014 , 198, 61-65	1.6	5
280	Transitionless quantum driving in open quantum systems. <i>New Journal of Physics</i> , 2014 , 16, 053017	2.9	42
279	Theory of integer quantum Hall polaritons in graphene. <i>Physical Review B</i> , 2014 , 89,	3.3	16
278	Unconstrained tree tensor network: An adaptive gauge picture for enhanced performance. <i>Physical Review B</i> , 2014 , 90,	3.3	37
277	Multistability of a Josephson parametric amplifier coupled to a mechanical resonator. <i>Physical Review B</i> , 2014 , 90,	3.3	2

276	Andreev levels spectroscopy of topological three-terminal junctions. <i>Physical Review B</i> , 2014 , 89,	3.3	12
275	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. <i>Physical Review A</i> , 2014 , 89,	2.6	20
274	Geometric quantum pumping in the presence of dissipation. <i>Physical Review B</i> , 2014 , 90,	3.3	7
273	Quantum quenches, linear response and superfluidity out of equilibrium. <i>Europhysics Letters</i> , 2014 , 107, 30002	1.6	8
272	Measures of quantum synchronization in continuous variable systems. <i>Physical Review Letters</i> , 2013 , 111, 103605	7.4	151
271	Environment-governed dynamics in driven quantum systems. <i>Physical Review Letters</i> , 2013 , 110, 150403	7.4	20
270	Speeding up and slowing down the relaxation of a qubit by optimal control. <i>Physical Review A</i> , 2013 , 88,	2.6	64
269	Anderson localization of entangled photons in an integrated quantum walk. <i>Nature Photonics</i> , 2013 , 7, 322-328	33.9	275
268	Photoemission spectra of massless Dirac fermions on the verge of exciton condensation. <i>Physical Review B</i> , 2013 , 87,	3.3	9
267	Extracting quantum work statistics and fluctuation theorems by single-qubit interferometry. <i>Physical Review Letters</i> , 2013 , 110, 230601	7.4	213
266	Josephson-Majorana cycle in topological single-electron hybrid transistors. <i>Physical Review B</i> , 2013 , 88,	3.3	6
265	Charges and Vortices in Josephson Junction Arrays 2013 , 237-254		1
264	Parity dependent Josephson current through a helical Luttinger liquid. <i>New Journal of Physics</i> , 2013 , 15, 085025	2.9	8
263	Topological pumping in the one-dimensional Bose-Hubbard model. <i>Physical Review B</i> , 2013 , 87,	3.3	13
262	Interactions in electronic Mach-Zehnder interferometers with copropagating edge channels. <i>Physical Review Letters</i> , 2013 , 111, 036801	7.4	10
261	Topological pumping in class-D superconducting wires. <i>Physical Review B</i> , 2013 , 88,	3.3	13
260	Witnessing the quantumness of a single system: From anticommutators to interference and discord. <i>Physical Review A</i> , 2013 , 87,	2.6	5
259	Photon solid phases in driven arrays of nonlinearly coupled cavities. <i>Physical Review Letters</i> , 2013 , 110, 163605	7.4	132

258	Quantum breathing of an impurity in a one-dimensional bath of interacting bosons. <i>Physical Review Letters</i> , 2013 , 110, 015302	7.4	30
257	Minimal self-contained quantum refrigeration machine based on four quantum dots. <i>Physical Review Letters</i> , 2013 , 110, 256801	7.4	89
256	MATRIX PRODUCT STATE REPRESENTATION FOR SLATER DETERMINANTS AND CONFIGURATION INTERACTION STATES. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1345029	1.1	4
255	High-fidelity quantum driving. <i>Nature Physics</i> , 2012 , 8, 147-152	16.2	315
254	Photon production from the vacuum close to the superradiant transition: linking the dynamical Casimir effect to the Kibble-Zurek mechanism. <i>Physical Review Letters</i> , 2012 , 108, 093603	7.4	20
253	Geometric-phase backaction in a mesoscopic qubit-oscillator system. <i>Physical Review A</i> , 2012 , 85,	2.6	22
252	Putting mechanics into circuit quantum electrodynamics. <i>Comptes Rendus Physique</i> , 2012 , 13, 470-479	1.4	7
251	Local density of states in metal-topological superconductor hybrid systems. <i>Physical Review B</i> , 2012 , 85,	3.3	41
250	Proposal for a Datta-Das transistor in the quantum Hall regime. <i>Physical Review B</i> , 2012 , 85,	3.3	14
249	Quantum vortex dynamics in Josephson arrays and optical lattices. <i>Annalen Der Physik</i> , 2012 , 524, 113-117	1.6	2
248	Phase diagram of the extended Bose-Hubbard model. <i>New Journal of Physics</i> , 2012 , 14, 065012	2.9	71
247	Many-body localization and thermalization in the full probability distribution function of observables. <i>New Journal of Physics</i> , 2012 , 14, 095020	2.9	23
246	Short-time spin dynamics in strongly correlated few-fermion systems. <i>Physical Review Letters</i> , 2012 , 108, 245302	7.4	4
245	When Casimir meets Kibble-Zurek. <i>Physica Scripta</i> , 2012 , T151, 014071	2.6	
244	Classical to quantum in large-number limit. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 4810-20	3	5
243	Quantum quenches, thermalization, and many-body localization. <i>Physical Review B</i> , 2011 , 83,	3.3	120
242	Floquet theory of Cooper pair pumping. <i>Physical Review B</i> , 2011 , 83,	3.3	29
241	Detecting phonon blockade with photons. <i>Physical Review B</i> , 2011 , 84,	3.3	62

240	Quantum phase transition between cluster and antiferromagnetic states. <i>Europhysics Letters</i> , 2011 , 95, 50001	1.6	53
239	Generating topological order from a two-dimensional cluster state using a duality mapping. <i>New Journal of Physics</i> , 2011 , 13, 065010	2.9	13
238	Stiffness in 1D matrix product states with periodic boundary conditions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011 , 2011, P05021	1.9	12
237	Quantitative entanglement witnesses of isotropic and Werner classes via local measurements. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 145303	2	4
236	Errors in quantum optimal control and strategy for the search of easily implementable control pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 154012	1.3	4
235	Spatially resolved analysis of edge-channel equilibration in quantum Hall circuits. <i>Physical Review B</i> , 2011 , 83,	3.3	24
234	Statistical mechanics of the cluster Ising model. <i>Physical Review A</i> , 2011 , 84,	2.6	61
233	Speeding up critical system dynamics through optimized evolution. <i>Physical Review A</i> , 2011 , 84,	2.6	50
232	Time-bin entanglement of quasiparticles in semiconductor devices. <i>Physical Review B</i> , 2011 , 84,	3.3	4
231	Persistent spin oscillations in a spin-orbit-coupled superconductor. <i>Physical Review Letters</i> , 2011 , 107, 077004	7.4	12
230	Edge channel mixing induced by potential steps in an integer quantum Hall system. <i>Physical Review B</i> , 2011 , 83,	3.3	10
229	Spin-supersolid phase in Heisenberg chains: A characterization via matrix product states with periodic boundary conditions. <i>Physical Review B</i> , 2011 , 83,	3.3	12
228	Josephson current in a four-terminal superconductor/exciton-condensate/superconductor system. <i>Physical Review B</i> , 2011 , 84,	3.3	15
227	Controlled coupling of spin-resolved quantum Hall edge states. <i>Physical Review Letters</i> , 2011 , 107, 236804	7.4	40
226	Blockade and counterflow supercurrent in exciton-condensate Josephson junctions. <i>Physical Review Letters</i> , 2010 , 104, 027004	7.4	23
225	Coherent detection of electron dephasing. <i>Physical Review Letters</i> , 2010 , 104, 170403	7.4	8
224	Electronic implementations of interaction-free measurements. <i>Physical Review B</i> , 2010 , 82,	3.3	10
223	Homogeneous binary trees as ground states of quantum critical Hamiltonians. <i>Physical Review A</i> , 2010 , 81,	2.6	34

222	Signatures of the superfluid-insulator phase transition in laser-driven dissipative nonlinear cavity arrays. <i>Physical Review A</i> , 2010 , 81,	2.6	106
221	Resonant coupling of a SQUID to a mechanical resonator. <i>Europhysics Letters</i> , 2010 , 90, 48007	1.6	8
220	Homogeneous multiscale entanglement renormalization ansatz tensor networks for quantum critical systems. <i>New Journal of Physics</i> , 2010 , 12, 075018	2.9	6
219	Dynamical phase transitions and instabilities in open atomic many-body systems. <i>Physical Review Letters</i> , 2010 , 105, 015702	7.4	215
218	Electron-electron interactions in decoupled graphene layers. <i>Physical Review B</i> , 2010 , 82,	3.3	53
217	Many-body phenomena in QED-cavity arrays [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, A130	1.7	103
216	Velocity-modulation control of electron-wave propagation in graphene. <i>Physical Review B</i> , 2010 , 81,	3.3	95
215	Entanglement renormalization and boundary critical phenomena. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , 2010, L03001	1.9	8
214	Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches. <i>Physical Review B</i> , 2009 , 80,	3.3	45
213	Andreev reflection in graphene nanoribbons. <i>Physical Review B</i> , 2009 , 79,	3.3	61
212	Critical exponents with a multiscale entanglement renormalization Ansatz channel. <i>Physical Review B</i> , 2009 , 80,	3.3	20
211	Entanglement of electrons field-emitted from a superconductor. <i>Physical Review B</i> , 2009 , 79,	3.3	5
210	Dynamics of a SQUID ratchet coupled to a nanomechanical resonator. <i>Physical Review B</i> , 2009 , 79,	3.3	8
209	Homogeneous multiscale-entanglement-renormalization-ansatz states: An information theoretical analysis. <i>Physical Review A</i> , 2009 , 79,	2.6	19
208	Trap-modulation spectroscopy of the Mott-insulator transition in optical lattices. <i>Physical Review A</i> , 2009 , 79,	2.6	12
207	Influence of interface transmissivity and inelastic scattering on the electronic entropy and specific heat of diffusive superconductor-normal metal-superconductor Josephson junctions. <i>Journal of Applied Physics</i> , 2009 , 105, 093904	2.5	9
206	Dipole oscillations of confined lattice bosons in one dimension. <i>Physical Review A</i> , 2009 , 79,	2.6	20
205	Probing a composite spin-boson environment. <i>New Journal of Physics</i> , 2009 , 11, 063028	2.9	19

204	Adiabatic dynamics in a spin-1 chain with uniaxial single-spin anisotropy. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P03038	1.9	7
203	The quantum-optical Josephson interferometer. <i>Nature Physics</i> , 2009 , 5, 281-284	16.2	154
202	Optimized single-qubit gates for Josephson phase qubits. <i>Physical Review B</i> , 2009 , 79,	3.3	24
201	Entanglement and magnetic order. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 504001	2	18
200	Optimal control at the quantum speed limit. <i>Physical Review Letters</i> , 2009 , 103, 240501	7.4	278
199	Topological order following a quantum quench. <i>Physical Review A</i> , 2009 , 80,	2.6	33
198	Quantum billiards in optical lattices. <i>Europhysics Letters</i> , 2009 , 88, 30006	1.6	12
197	Quantum annealing of an infinite-range transverse-field Ising model. <i>Journal of Physics: Conference Series</i> , 2009 , 143, 012004	0.3	4
196	Quantum multiscale entanglement renormalization ansatz channels. <i>Physical Review Letters</i> , 2008 , 101, 180503	7.4	63
195	Photon and polariton fluctuations in arrays of QED-cavities. <i>Europhysics Letters</i> , 2008 , 83, 47011	1.6	21
194	Coulomb-interaction effects in full counting statistics of a quantum-dot Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2008 , 78,	3.3	21
193	Fulde-Ferrell-Larkin-Ovchinnikov pairing in one-dimensional optical lattices. <i>Physical Review B</i> , 2008 , 77,	3.3	96
192	Optimized Cooper pair pumps. <i>Physical Review B</i> , 2008 , 77,	3.3	5
191	Bang-bang control of a qubit coupled to a quantum critical spin bath. <i>Physical Review A</i> , 2008 , 77,	2.6	38
190	Multichannel architecture for electronic quantum Hall interferometry. <i>Physical Review B</i> , 2008 , 77,	3.3	23
189	Adiabatic quenches through an extended quantum critical region. <i>Physical Review B</i> , 2008 , 77,	3.3	50
188	Phase-dependent electronic specific heat of mesoscopic Josephson junctions. <i>Physical Review B</i> , 2008 , 78,	3.3	22
187	Nonequilibrium pairing instability in ultracold Fermi gases with population imbalance. <i>Physical Review A</i> , 2008 , 77,	2.6	12

186	Adiabatic dynamics in open quantum critical many-body systems. <i>Physical Review Letters</i> , 2008 , 101, 175701	7.4	78
185	Non-Abelian superconducting pumps. <i>Physical Review Letters</i> , 2008 , 100, 027002	7.4	25
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