

Rosario Fazio

List of Publications by Year in descending order

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Version: 2024-02-01

393
papers

20,349
citations

12303

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13338

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396
all docs

396
docs citations

396
times ranked

8717
citing authors

#	ARTICLE	IF	CITATIONS
1	Seeding Crystallization in Time. <i>Physical Review Letters</i> , 2022, 128, 080603.	2.9	17
2	Measurement-induced criticality in extended and long-range unitary circuits. <i>SciPost Physics Core</i> , 2022, 5, .	0.9	44
3	Hybrid ferromagnetic transmon qubit: Circuit design, feasibility, and detection protocols for magnetic fluctuations. <i>Physical Review B</i> , 2022, 105, .	1.1	12
4	Entanglement transitions from stochastic resetting of non-Hermitian quasiparticles. <i>Physical Review B</i> , 2022, 105, .	1.1	57
5	Weak ergodicity breaking in Josephson-junction arrays. <i>Physical Review B</i> , 2022, 106, .	1.1	3
6	Quantum Simulations with Superconducting Networks. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 1643-1646.	0.8	0
7	Dissipative phase transitions in the fully connected Ising model with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -spin interaction. <i>Physical Review A</i> , 2021, 103, .	1.0	14
8	On the stability of the infinite Projected Entangled Pair Operator ansatz for driven-dissipative 2D lattices. <i>SciPost Physics Core</i> , 2021, 4, .	0.9	11
9	Thermodynamics of Gambling Demons. <i>Physical Review Letters</i> , 2021, 126, 080603.	2.9	38
10	Superradiantlike dynamics of nuclear spins by nonadiabatic electron shuttling. <i>Physical Review B</i> , 2021, 103, .	1.1	2
11	Thermal rectification through a nonlinear quantum resonator. <i>Physical Review B</i> , 2021, 103, .	1.1	20
12	Optimizing autonomous thermal machines powered by energetic coherence. <i>New Journal of Physics</i> , 2021, 23, 043024.	1.2	30
13	Non-Abelian Thouless pumping in a photonic lattice. <i>Physical Review A</i> , 2021, 103, .	1.0	21
14	Chaos and subdiffusion in infinite-range coupled quantum kicked rotors. <i>Physical Review B</i> , 2021, 103, .	1.1	4
15	Measurement-induced entanglement transitions in the quantum Ising chain: From infinite to zero clicks. <i>Physical Review B</i> , 2021, 103, .	1.1	101
16	Dynamical Mean-Field Theory for Markovian Open Quantum Many-Body Systems. <i>Physical Review X</i> , 2021, 11, .	2.8	17
17	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, .	1.1	13
18	Optimal parent Hamiltonians for time-dependent states. <i>Physical Review A</i> , 2021, 104, .	1.0	3

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19	Fragility of classical Hamiltonian period doubling to quantum fluctuations. Physical Review B, 2021, 104, .	1.1	2
20	Determination of the critical exponents in dissipative phase transitions: Coherent anomaly approach. Physical Review B, 2021, 104, .	1.1	4
21	Geometric properties of adiabatic quantum thermal machines. Physical Review B, 2020, 102, .	1.1	38
22	Measurement-induced criticality in d -dimensional hybrid quantum circuits. Physical Review B, 2020, 102, .	1.1	88
23	Discrete truncated Wigner approach to dynamical phase transitions in Ising models after a quantum quench. Physical Review B, 2020, 102, .	1.1	13
24	Slow heating in a quantum coupled kicked rotors system. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 024008.	0.9	12
25	Quantum synchronization in nanoscale heat engines. Physical Review E, 2020, 101, 020201.	0.8	33
26	Many-body dynamical localization in the kicked Bose-Hubbard chain. Physical Review B, 2020, 101, .	1.1	13
27	Homogeneous Floquet time crystal protected by gauge invariance. Physical Review Research, 2020, 2, .	1.3	36
28	Synchronization along quantum trajectories. Physical Review Research, 2020, 2, .	1.3	29
29	Generalized measure of quantum synchronization. Physical Review Research, 2020, 2, .	1.3	27
30	Time crystals in the driven transverse field Ising model under quasiperiodic modulation. New Journal of Physics, 2020, 22, 125001.	1.2	6
31	Quantum clock models with infinite-range interactions. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073107.	0.9	0
32	Many-Body Synchronization in a Classical Hamiltonian System. Physical Review Letters, 2019, 123, 184301.	2.9	20
33	Engineering statistical transmutation of identical quantum particles. Physical Review B, 2019, 99, .	1.1	6
34	Quantum Martingale Theory and Entropy Production. Physical Review Letters, 2019, 122, 220602.	2.9	14
35	Floquet time crystals in clock models. Physical Review B, 2019, 99, .	1.1	69
36	Quantum heat switch with multiple qubits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1722-1727.	0.9	6

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37	Hidden order in quantum many-body dynamics of driven-dissipative nonlinear photonic lattices. Physical Review A, 2019, 99, .	1.0	9
38	Emergent finite frequency criticality of driven-dissipative correlated lattice bosons. Physical Review B, 2019, 99, .	1.1	17
39	Boosting the performance of small autonomous refrigerators via common environmental effects. New Journal of Physics, 2019, 21, 123026.	1.2	28
40	Fast and accurate Cooper pair pump. Physical Review B, 2019, 100, .	1.1	9
41	Quantum Superconducting Networks: From Josephson to QED Arrays. Springer Series in Materials Science, 2019, , 743-764.	0.4	0
42	Squeezing Enhances Quantum Synchronization. Physical Review Letters, 2018, 120, 163601.	2.9	76
43	Topological phases in frustrated synthetic ladders with an odd number of legs. Physical Review A, 2018, 97, .	1.0	15
44	From localization to anomalous diffusion in the dynamics of coupled kicked rotors. Physical Review E, 2018, 97, 022202.	0.8	36
45	Linked cluster expansions for open quantum systems on a lattice. Physical Review B, 2018, 97, .	1.1	37
46	Persistent currents by reservoir engineering. Physical Review A, 2018, 98, .	1.0	20
47	Quantum correlations and limit cycles in the driven-dissipative Heisenberg lattice. New Journal of Physics, 2018, 20, 045004.	1.2	27
48	Measuring quantumness: from theory to observability in interferometric setups. European Physical Journal D, 2018, 72, 1.	0.6	7
49	Phase diagram of the dissipative quantum Ising model on a square lattice. Physical Review B, 2018, 98, .	1.1	40
50	Scrambling and entanglement spreading in long-range spin chains. Physical Review B, 2018, 98, .	1.1	125
51	Absorption refrigerators based on Coulomb-coupled single-electron systems. Physical Review B, 2018, 98, .	1.1	49
52	Boundary Time Crystals. Physical Review Letters, 2018, 121, 035301.	2.9	162
53	Thermal drag in electronic conductors. Physical Review B, 2018, 98, .	1.1	27
54	Mesoscopic electron transport and atomic gases, a review of Frank W. J. Hekking's scientific work. SciPost Physics, 2018, 5, .	1.5	0

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55	Multipartite entanglement after a quantum quench. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053104.	0.9	23
56	Critical dynamical properties of a first-order dissipative phase transition. Physical Review A, 2017, 95, .	1.0	116
57	Direct comparison of quantum and simulated annealing on a fully connected Ising ferromagnet. Physical Review A, 2017, 96, .	1.0	21
58	One-dimensional repulsive Fermi gas in a tunable periodic potential. Physical Review A, 2017, 96, .	1.0	9
59	Stabilizing strongly correlated photon fluids with non-Markovian reservoirs. Physical Review A, 2017, 96, .	1.0	47
60	Density of states of many-body quantum systems from tensor networks. Physical Review B, 2017, 96, .	1.1	8
61	Floquet time crystal in the Lipkin-Meshkov-Glick model. Physical Review B, 2017, 95, .	1.1	150
62	Topological Fractional Pumping with Alkaline-Earth-Like Atoms in Synthetic Lattices. Physical Review Letters, 2017, 118, 230402.	2.9	63
63	Critical behavior of dissipative two-dimensional spin lattices. Physical Review B, 2017, 95, .	1.1	61
64	Laughlin-like States in Bosonic and Fermionic Atomic Synthetic Ladders. Physical Review X, 2017, 7, .	2.8	66
65	Dissipative Landau-Zener problem and thermally assisted Quantum Annealing. Physical Review B, 2017, 96, .	1.1	32
66	Phase diagram of incoherently driven strongly correlated photonic lattices. Physical Review A, 2017, 96, .	1.0	55
67	Majorana Quasiparticles Protected by Z2 Angular Momentum Conservation. Physical Review Letters, 2017, 118, 200404.	2.9	20
68	Thermoelectric properties of an interacting quantum dot based heat engine. Physical Review B, 2017, 95, .	1.1	65
69	Dissipation in adiabatic quantum computers: lessons from an exactly solvable model. New Journal of Physics, 2017, 19, 113029.	1.2	45
70	Coupled qubits as a quantum heat switch. Quantum Science and Technology, 2017, 2, 044007.	2.6	33
71	Resilience of hidden order to symmetry-preserving disorder. Physical Review B, 2017, 96, .	1.1	4
72	Feedback-controlled heat transport in quantum devices: theory and solid-state experimental proposal. New Journal of Physics, 2017, 19, 053027.	1.2	31

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73	Strongly Correlated Polaritons in Nonlinear Cavity Arrays. Quantum Science and Technology, 2017, , 1-21.	1.5	0
74	Quantum simulation of the quantum Hall effect with synthetic dimensions. , 2017, , .		0
75	Superfluid density and quasi-long-range order in the one-dimensional disordered Bose-Hubbard model. New Journal of Physics, 2016, 18, 015015.	1.2	28
76	The power of a critical heat engine. Nature Communications, 2016, 7, 11895.	5.8	199
77	Entanglement entropy in a periodically driven Ising chain. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 073101.	0.9	23
78	Cluster Mean-Field Approach to the Steady-State Phase Diagram of Dissipative Spin Systems. Physical Review X, 2016, 6, .	2.8	125
79	Destruction of string order after a quantum quench. Physical Review B, 2016, 94, .	1.1	16
80	Dissipation, correlation and lags in heat engines. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 345002.	0.7	26
81	Local shortcut to adiabaticity for quantum many-body systems. Physical Review A, 2016, 93, .	1.0	20
82	Dissipative topological superconductors in number-conserving systems. Physical Review B, 2016, 93, .	1.1	37
83	Energy transport between two integrable spin chains. Physical Review B, 2016, 93, .	1.1	58
84	Exotic Attractors of the Nonequilibrium Rabi-Hubbard Model. Physical Review Letters, 2016, 116, 143603.	2.9	50
85	Local quantum thermal susceptibility. Nature Communications, 2016, 7, 12782.	5.8	81
86	Synthetic gauge fields in synthetic dimensions: interactions and chiral edge modes. New Journal of Physics, 2016, 18, 035010.	1.2	49
87	Signatures of many-body localization in the dynamics of two-site entanglement. Physical Review B, 2016, 94, .	1.1	40
88	Reprint of : Finite-frequency noise in a topological superconducting wire. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 254-260.	1.3	2
89	Finite-frequency noise in a topological superconducting wire. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 75, 15-21.	1.3	19
90	Simulation and detection of photonic Chern insulators in a one-dimensional circuit-QED lattice. Physical Review A, 2015, 92, .	1.0	47

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91	Separation of heat and charge currents for boosted thermoelectric conversion. <i>Physical Review B</i> , 2015, 91, .	1.1	45
92	Localized Majorana-Like Modes in a Number-Conserving Setting: An Exactly Solvable Model. <i>Physical Review Letters</i> , 2015, 115, 156402.	2.9	64
93	Magnetic thermal switch for heat management at the nanoscale. <i>Physical Review B</i> , 2015, 91, .	1.1	24
94	Mutual information as an order parameter for quantum synchronization. <i>Physical Review A</i> , 2015, 91, .	1.0	99
95	Thermopower of three-terminal topological superconducting systems. <i>Physical Review B</i> , 2015, 91, .	1.1	19
96	Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. <i>New Journal of Physics</i> , 2015, 17, 013015.	1.2	19
97	Nonequilibrium fluctuations in quantum heat engines: theory, example, and possible solid state experiments. <i>New Journal of Physics</i> , 2015, 17, 035012.	1.2	168
98	All-optical non-Markovian stroboscopic quantum simulator. <i>Physical Review A</i> , 2015, 91, .	1.0	50
99	Photon transport in a dissipative chain of nonlinear cavities. <i>Physical Review A</i> , 2015, 91, .	1.0	46
100	Phase diagram of a QED-cavity array coupled via a N-type level scheme. <i>EPJ Quantum Technology</i> , 2015, 2, .	2.9	1
101	Shortcut to Adiabaticity in the Lipkin-Meshkov-Glick Model. <i>Physical Review Letters</i> , 2015, 114, 177206.	2.9	101
102	Efficiency of quantum controlled non-Markovian thermalization. <i>New Journal of Physics</i> , 2015, 17, 063031.	1.2	32
103	Magnetic crystals and helical liquids in alkaline-earth fermionic gases. <i>Nature Communications</i> , 2015, 6, 8134.	5.8	71
104	Thermalization in a periodically driven fully connected quantum Ising ferromagnet. <i>Europhysics Letters</i> , 2015, 110, 37005.	0.7	33
105	Nanoscale Mach-Zehnder interferometer with spin-resolved quantum Hall edge states. <i>Physical Review B</i> , 2015, 92, .	1.1	14
106	Transitionless quantum driving in open quantum systems. <i>New Journal of Physics</i> , 2014, 16, 053017.	1.2	54
107	Theory of integer quantum Hall polaritons in graphene. <i>Physical Review B</i> , 2014, 89, .	1.1	19
108	Unconstrained tree tensor network: An adaptive gauge picture for enhanced performance. <i>Physical Review B</i> , 2014, 90, .	1.1	48

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109	Multistability of a Josephson parametric amplifier coupled to a mechanical resonator. Physical Review B, 2014, 90, .	1.1	3
110	Andreev levels spectroscopy of topological three-terminal junctions. Physical Review B, 2014, 89, .	1.1	13
111	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. Physical Review A, 2014, 89, .	1.0	28
112	Geometric quantum pumping in the presence of dissipation. Physical Review B, 2014, 90, .	1.1	9
113	Quantum quenches, linear response and superfluidity out of equilibrium. Europhysics Letters, 2014, 107, 30002.	0.7	13
114	Complexity of controlling quantum many-body dynamics. Physical Review A, 2014, 89, .	1.0	28
115	Steady-state entanglement activation in optomechanical cavities. Physical Review A, 2014, 89, .	1.0	21
116	Thermoelectric efficiency of three-terminal quantum thermal machines. New Journal of Physics, 2014, 16, 085001.	1.2	84
117	The XYZ chain with Dzyaloshinskyâ€™Moriya interactions: from spinâ€™orbit-coupled lattice bosons to interacting Kitaev chains. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09005.	0.9	31
118	Steady-state phase diagram of a driven QED-cavity array with cross-Kerr nonlinearities. Physical Review A, 2014, 90, .	1.0	54
119	Out-of-equilibrium dynamics and thermalization of string order. Physical Review B, 2014, 90, .	1.1	19
120	Quantum transducer in circuit optomechanics. Solid State Communications, 2014, 198, 61-65.	0.9	7
121	Measures of Quantum Synchronization in Continuous Variable Systems. Physical Review Letters, 2013, 111, 103605.	2.9	207
122	Environment-Governed Dynamics in Driven Quantum Systems. Physical Review Letters, 2013, 110, 150403.	2.9	23
123	Speeding up and slowing down the relaxation of a qubit by optimal control. Physical Review A, 2013, 88, .	1.0	75
124	Anderson localization of entangled photons in an integrated quantum walk. Nature Photonics, 2013, 7, 322-328.	15.6	372
125	Photoemission spectra of massless Dirac fermions on the verge of exciton condensation. Physical Review B, 2013, 87, .	1.1	10
126	Extracting Quantum Work Statistics and Fluctuation Theorems by Single-Qubit Interferometry. Physical Review Letters, 2013, 110, 230601.	2.9	247

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127	Josephson-Majorana cycle in topological single-electron hybrid transistors. <i>Physical Review B</i> , 2013, 88, .	1.1	7
128	Charges and Vortices in Josephson Junction Arrays. , 2013, , 237-254.		1
129	Parity dependent Josephson current through a helical Luttinger liquid. <i>New Journal of Physics</i> , 2013, 15, 085025.	1.2	9
130	Topological pumping in the one-dimensional Bose-Hubbard model. <i>Physical Review B</i> , 2013, 87, .	1.1	17
131	Interactions in Electronic Mach-Zehnder Interferometers with Copropagating Edge Channels. <i>Physical Review Letters</i> , 2013, 111, 036801.	2.9	10
132	Topological pumping in class-Dsuperconducting wires. <i>Physical Review B</i> , 2013, 88, .	1.1	15
133	Witnessing the quantumness of a single system: From anticommutators to interference and discord. <i>Physical Review A</i> , 2013, 87, .	1.0	6
134	Photon Solid Phases in Driven Arrays of Nonlinearly Coupled Cavities. <i>Physical Review Letters</i> , 2013, 110, 163605.	2.9	153
135	Quantum Breathing of an Impurity in a One-Dimensional Bath of Interacting Bosons. <i>Physical Review Letters</i> , 2013, 110, 015302.	2.9	37
136	Minimal Self-Contained Quantum Refrigeration Machine Based on Four Quantum Dots. <i>Physical Review Letters</i> , 2013, 110, 256801.	2.9	107
137	MATRIX PRODUCT STATE REPRESENTATION FOR SLATER DETERMINANTS AND CONFIGURATION INTERACTION STATES. <i>International Journal of Modern Physics B</i> , 2013, 27, 1345029.	1.0	6
138	Phase diagram of the extended Bose-Hubbard model. <i>New Journal of Physics</i> , 2012, 14, 065012.	1.2	104
139	Many-body localization and thermalization in the full probability distribution function of observables. <i>New Journal of Physics</i> , 2012, 14, 095020.	1.2	26
140	Short-Time Spin Dynamics in Strongly Correlated Few-Fermion Systems. <i>Physical Review Letters</i> , 2012, 108, 245302.	2.9	7
141	When Casimir meets Kibble-Zurek. <i>Physica Scripta</i> , 2012, T151, 014071.	1.2	1
142	Classical to quantum in large-number limit. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 4810-4820.	1.6	7
143	High-fidelity quantum driving. <i>Nature Physics</i> , 2012, 8, 147-152.	6.5	382
144	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.	2.9	22

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145	Geometric-phase backaction in a mesoscopic qubit-oscillator system. <i>Physical Review A</i> , 2012, 85, .	1.0	24
146	Putting mechanics into circuit quantum electrodynamics. <i>Comptes Rendus Physique</i> , 2012, 13, 470-479.	0.3	7
147	Local density of states in metal-topological superconductor hybrid systems. <i>Physical Review B</i> , 2012, 85, .	1.1	44
148	Proposal for a Datta-Das transistor in the quantum Hall regime. <i>Physical Review B</i> , 2012, 85, .	1.1	16
149	Quantum vortex dynamics in Josephson arrays and optical lattices. <i>Annalen Der Physik</i> , 2012, 524, 113-117.	0.9	2
150	Quantum phase transition between cluster and antiferromagnetic states. <i>Europhysics Letters</i> , 2011, 95, 50001.	0.7	74
151	Quantum quenches, thermalization, and many-body localization. <i>Physical Review B</i> , 2011, 83, .	1.1	126
152	Floquet theory of Cooper pair pumping. <i>Physical Review B</i> , 2011, 83, .	1.1	33
153	Detecting phonon blockade with photons. <i>Physical Review B</i> , 2011, 84, .	1.1	77
154	Generating topological order from a two-dimensional cluster state using a duality mapping. <i>New Journal of Physics</i> , 2011, 13, 065010.	1.2	15
155	Stiffness in 1D matrix product states with periodic boundary conditions. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P05021.	0.9	12
156	Quantitative entanglement witnesses of isotropic and Werner classes via local measurements. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 145303.	0.7	4
157	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.	0.6	5
158	Spatially resolved analysis of edge-channel equilibration in quantum Hall circuits. <i>Physical Review B</i> , 2011, 83, .	1.1	27
159	Statistical mechanics of the cluster Ising model. <i>Physical Review A</i> , 2011, 84, .	1.0	84
160	Speeding up critical system dynamics through optimized evolution. <i>Physical Review A</i> , 2011, 84, .	1.0	60
161	Time-bin entanglement of quasiparticles in semiconductor devices. <i>Physical Review B</i> , 2011, 84, .	1.1	5
162	Persistent Spin Oscillations in a Spin-Orbit-Coupled Superconductor. <i>Physical Review Letters</i> , 2011, 107, 077004.	2.9	12

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163	Edge channel mixing induced by potential steps in an integer quantum Hall system. <i>Physical Review B</i> , 2011, 83, .	1.1	10
164	Spin-supersolid phase in Heisenberg chains: A characterization via matrix product states with periodic boundary conditions. <i>Physical Review B</i> , 2011, 83, .	1.1	13
165	Josephson current in a four-terminal superconductor/exciton-condensate/superconductor system. <i>Physical Review B</i> , 2011, 84, .	1.1	17
166	Controlled Coupling of Spin-Resolved Quantum Hall Edge States. <i>Physical Review Letters</i> , 2011, 107, 236804.	2.9	49
167	Entanglement renormalization and boundary critical phenomena. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, L03001.	0.9	9
168	Blockade and Counterflow Supercurrent in Exciton-Condensate Josephson Junctions. <i>Physical Review Letters</i> , 2010, 104, 027004.	2.9	27
169	Coherent Detection of Electron Dephasing. <i>Physical Review Letters</i> , 2010, 104, 170403.	2.9	9
170	Electronic implementations of interaction-free measurements. <i>Physical Review B</i> , 2010, 82, .	1.1	13
171	Homogeneous binary trees as ground states of quantum critical Hamiltonians. <i>Physical Review A</i> , 2010, 81, .	1.0	40
172	Signatures of the superfluid-insulator phase transition in laser-driven dissipative nonlinear cavity arrays. <i>Physical Review A</i> , 2010, 81, .	1.0	111
173	Resonant coupling of a SQUID to a mechanical resonator. <i>Europhysics Letters</i> , 2010, 90, 48007.	0.7	8
174	Homogeneous multiscale entanglement renormalization ansatz tensor networks for quantum critical systems. <i>New Journal of Physics</i> , 2010, 12, 075018.	1.2	6
175	Dynamical Phase Transitions and Instabilities in Open Atomic Many-Body Systems. <i>Physical Review Letters</i> , 2010, 105, 015702.	2.9	260
176	Electron-electron interactions in decoupled graphene layers. <i>Physical Review B</i> , 2010, 82, .	1.1	58
177	Many-body phenomena in QED-cavity arrays [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, A130.	0.9	112
178	Velocity-modulation control of electron-wave propagation in graphene. <i>Physical Review B</i> , 2010, 81, .	1.1	107
179	Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches. <i>Physical Review B</i> , 2009, 80, .	1.1	51
180	Andreev reflection in graphene nanoribbons. <i>Physical Review B</i> , 2009, 79, .	1.1	69

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181	Critical exponents with a multiscale entanglement renormalization Ansatz channel. <i>Physical Review B</i> , 2009, 80, .	1.1	22
182	Entanglement of electrons field-emitted from a superconductor. <i>Physical Review B</i> , 2009, 79, .	1.1	6
183	Dynamics of a SQUID ratchet coupled to a nanomechanical resonator. <i>Physical Review B</i> , 2009, 79, .	1.1	8
184	Homogeneous multiscale-entanglement-renormalization-ansatz states: An information theoretical analysis. <i>Physical Review A</i> , 2009, 79, .	1.0	19
185	Trap-modulation spectroscopy of the Mott-insulator transition in optical lattices. <i>Physical Review A</i> , 2009, 79, .	1.0	15
186	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, .	1.1	10
187	Dipole oscillations of confined lattice bosons in one dimension. <i>Physical Review A</i> , 2009, 79, .	1.0	20
188	Probing a composite spin-boson environment. <i>New Journal of Physics</i> , 2009, 11, 063028.	1.2	20
189	Adiabatic dynamics in a spin-1 chain with uniaxial single-spin anisotropy. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P03038.	0.9	9
190	The quantum-optical Josephson interferometer. <i>Nature Physics</i> , 2009, 5, 281-284.	6.5	171
191	Optimized single-qubit gates for Josephson phase qubits. <i>Physical Review B</i> , 2009, 79, .	1.1	32
192	Entanglement and magnetic order. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 504001.	0.7	20
193	Optimal Control at the Quantum Speed Limit. <i>Physical Review Letters</i> , 2009, 103, 240501.	2.9	372
194	Topological order following a quantum quench. <i>Physical Review A</i> , 2009, 80, .	1.0	40
195	Quantum billiards in optical lattices. <i>Europhysics Letters</i> , 2009, 88, 30006.	0.7	12
196	Quantum annealing of an infinite-range transverse-field Ising model. <i>Journal of Physics: Conference Series</i> , 2009, 143, 012004.	0.3	5
197	Suppression of the Fano factor in nanoelectromechanical systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1267-1269.	1.3	3
198	Entanglement in many-body systems. <i>Reviews of Modern Physics</i> , 2008, 80, 517-576.	16.4	2,781

#	ARTICLE	IF	CITATIONS
199	Opposite of a superconductor. <i>Nature</i> , 2008, 452, 542-543.	13.7	3
200	Quantum Multiscale Entanglement Renormalization Ansatz Channels. <i>Physical Review Letters</i> , 2008, 101, 180503.	2.9	74
201	Photon and polariton fluctuations in arrays of QED-cavities. <i>Europhysics Letters</i> , 2008, 83, 47011.	0.7	21
202	Coulomb-interaction effects in full counting statistics of a quantum-dot Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2008, 78, .	1.1	23
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