

Rosario Fazio

List of Publications by Year in descending order

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393
papers

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citations

12330

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13379

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396
all docs

396
docs citations

396
times ranked

8717
citing authors

#	ARTICLE	IF	CITATIONS
1	Entanglement in many-body systems. Reviews of Modern Physics, 2008, 80, 517-576.	45.6	2,781
2	Scaling of entanglement close to a quantum phase transition. Nature, 2002, 416, 608-610.	27.8	1,577
3	Quantum phase transitions and vortex dynamics in superconducting networks. Physics Reports, 2001, 355, 235-334.	25.6	421
4	High-fidelity quantum driving. Nature Physics, 2012, 8, 147-152.	16.7	382
5	Optimal Control at the Quantum Speed Limit. Physical Review Letters, 2009, 103, 240501.	7.8	372
6	Anderson localization of entangled photons in an integrated quantum walk. Nature Photonics, 2013, 7, 322-328.	31.4	372
7	Detection of geometric phases in superconducting nanocircuits. Nature, 2000, 407, 355-358.	27.8	359
8	Decoherence and 1/f Noise in Josephson Qubits. Physical Review Letters, 2002, 88, 228304.	7.8	287
9	Dynamical Phase Transitions and Instabilities in Open Atomic Many-Body Systems. Physical Review Letters, 2010, 105, 015702.	7.8	260
10	Dynamics of entanglement in one-dimensional spin systems. Physical Review A, 2004, 69, .	2.5	253
11	Extracting Quantum Work Statistics and Fluctuation Theorems by Single-Qubit Interferometry. Physical Review Letters, 2013, 110, 230601.	7.8	247
12	Entanglement entropy dynamics of Heisenberg chains. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P03001-P03001.	2.3	224
13	Charge and vortex dynamics in arrays of tunnel junctions. Physical Review B, 1991, 43, 5307-5320.	3.2	215
14	Measures of Quantum Synchronization in Continuous Variable Systems. Physical Review Letters, 2013, 111, 103605.	7.8	207
15	The power of a critical heat engine. Nature Communications, 2016, 7, 11895.	12.8	199
16	Decoherence induced by interacting quantum spin baths. Physical Review A, 2007, 75, .	2.5	182
17	Mott-Insulating and Glassy Phases of Polaritons in 1D Arrays of Coupled Cavities. Physical Review Letters, 2007, 99, 186401.	7.8	176
18	The quantum-optical Josephson interferometer. Nature Physics, 2009, 5, 281-284.	16.7	171

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19	Nonequilibrium fluctuations in quantum heat engines: theory, example, and possible solid state experiments. New Journal of Physics, 2015, 17, 035012.	2.9	168
20	Boundary Time Crystals. Physical Review Letters, 2018, 121, 035301.	7.8	162
21	Photon Solid Phases in Driven Arrays of Nonlinearly Coupled Cavities. Physical Review Letters, 2013, 110, 163605.	7.8	153
22	Floquet time crystal in the Lipkin-Meshkov-Glick model. Physical Review B, 2017, 95, .	3.2	150
23	Unbinding of charge-anticharge pairs in two-dimensional arrays of small tunnel junctions. Physical Review Letters, 1990, 65, 645-648.	7.8	143
24	Full Counting Statistics in Strongly Interacting Systems: Non-Markovian Effects. Physical Review Letters, 2006, 96, 026805.	7.8	134
25	Non-Abelian Holonomies, Charge Pumping, and Quantum Computation with Josephson Junctions. Physical Review Letters, 2003, 90, 028301.	7.8	133
26	Small Superconducting Grain in the Canonical Ensemble. Physical Review Letters, 1998, 80, 4542-4545.	7.8	130
27	Quantum quenches, thermalization, and many-body localization. Physical Review B, 2011, 83, .	3.2	126
28	Cluster Mean-Field Approach to the Steady-State Phase Diagram of Dissipative Spin Systems. Physical Review X, 2016, 6, .	8.9	125
29	Scrambling and entanglement spreading in long-range spin chains. Physical Review B, 2018, 98, .	3.2	125
30	Resonant Andreev Tunneling in Strongly Interacting Quantum Dots. Physical Review Letters, 1998, 80, 2913-2916.	7.8	124
31	Adiabatic quantum dynamics of a random Ising chain across its quantum critical point. Physical Review B, 2007, 76, .	3.2	120
32	Pumping spin with electrical fields. Physical Review B, 2003, 68, .	3.2	118
33	Critical dynamical properties of a first-order dissipative phase transition. Physical Review A, 2017, 95, .	2.5	116
34	Quantum phase transitions of interacting bosons and the supersolid phase. Physical Review B, 1995, 52, 16176-16186.	3.2	115
35	Information-capacity description of spin-chain correlations. Physical Review A, 2005, 71, .	2.5	115
36	Thermoelectric effects in Kondo-correlated quantum dots. Europhysics Letters, 2001, 56, 576-582.	2.0	112

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37	Many-body phenomena in QED-cavity arrays [Invited]. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A130.	2.1	112
38	Signatures of the superfluid-insulator phase transition in laser-driven dissipative nonlinear cavity arrays. Physical Review A, 2010, 81, .	2.5	111
39	Superconductorâ€Mott-insulator transition in Bose systems with finite-range interactions. Physical Review B, 1993, 47, 342-347.	3.2	110
40	Aharonov-Bohm Oscillations and Resonant Tunneling in Strongly Correlated Quantum Dots. Physical Review Letters, 1996, 76, 114-117.	7.8	109
41	Robust Optimal Quantum Gates for Josephson Charge Qubits. Physical Review Letters, 2007, 99, 170501.	7.8	109
42	Adiabatic Pumping through Interacting Quantum Dots. Physical Review Letters, 2005, 95, 246803.	7.8	108
43	Velocity-modulation control of electron-wave propagation in graphene. Physical Review B, 2010, 81, .	3.2	107
44	Minimal Self-Contained Quantum Refrigeration Machine Based on Four Quantum Dots. Physical Review Letters, 2013, 110, 256801.	7.8	107
45	Fulde-Ferrell-Larkin-Ovchinnikov pairing in one-dimensional optical lattices. Physical Review B, 2008, 77, .	3.2	105
46	Phase diagram of the extended Boseâ€Hubbard model. New Journal of Physics, 2012, 14, 065012.	2.9	104
47	Phase Diagram of Spin-1 Bosons on One-Dimensional Lattices. Physical Review Letters, 2005, 95, 240404.	7.8	101
48	Shortcut to Adiabaticity in the Lipkin-Meshkov-Glick Model. Physical Review Letters, 2015, 114, 177206.	7.8	101
49	Measurement-induced entanglement transitions in the quantum Ising chain: From infinite to zero clicks. Physical Review B, 2021, 103, .	3.2	101
50	Mutual information as an order parameter for quantum synchronization. Physical Review A, 2015, 91, .	2.5	99
51	From perfect to fractal transmission in spin chains. Physical Review A, 2005, 72, .	2.5	94
52	Adiabatic Dynamics in Open Quantum Critical Many-Body Systems. Physical Review Letters, 2008, 101, 175701.	7.8	90
53	Measurement-induced criticality in d -dimensional hybrid quantum circuits. Physical Review B, 2020, 102, .	3.2	88
54	Statistical mechanics of the cluster Ising model. Physical Review A, 2011, 84, .	2.5	84

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55	Thermoelectric efficiency of three-terminal quantum thermal machines. New Journal of Physics, 2014, 16, 085001.	2.9	84
56	Solid-state quantum communication with Josephson arrays. Physical Review B, 2005, 71, .	3.2	83
57	Adiabatic quantum dynamics of the Lipkin-Meshkov-Glick model. Physical Review B, 2008, 78, .	3.2	81
58	Local quantum thermal susceptibility. Nature Communications, 2016, 7, 12782.	12.8	81
59	Josephson Current through a Luttinger Liquid. Physical Review Letters, 1995, 74, 1843-1846.	7.8	78
60	Phase diagram of the Bose-Hubbard model with T3symmetry. Physical Review B, 2006, 73, .	3.2	78
61	Adiabatic pumping through a quantum dot with coulomb interactions: A perturbation expansion in the tunnel coupling. Physical Review B, 2006, 74, .	3.2	77
62	Detecting phonon blockade with photons. Physical Review B, 2011, 84, .	3.2	77
63	Squeezing Enhances Quantum Synchronization. Physical Review Letters, 2018, 120, 163601.	7.8	76
64	Speeding up and slowing down the relaxation of a qubit by optimal control. Physical Review A, 2013, 88, .	2.5	75
65	Response of Josephson-junction arrays near the quantum phase transition. Physical Review B, 1993, 48, 3316-3326.	3.2	74
66	Quantum Multiscale Entanglement Renormalization Ansatz Channels. Physical Review Letters, 2008, 101, 180503.	7.8	74
67	Quantum phase transition between cluster and antiferromagnetic states. Europhysics Letters, 2011, 95, 50001.	2.0	74
68	Anomalous Thermal Transport in Quantum Wires. Physical Review Letters, 1998, 80, 5611-5614.	7.8	72
69	Magnetic crystals and helical liquids in alkaline-earth fermionic gases. Nature Communications, 2015, 6, 8134.	12.8	71
70	Andreev reflection in graphene nanoribbons. Physical Review B, 2009, 79, .	3.2	69
71	Floquet time crystals in clock models. Physical Review B, 2019, 99, .	3.2	69
72	Fidelity and Leakage of Josephson Qubits. Physical Review Letters, 1999, 83, 5385-5388.	7.8	68

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73	Laughlin-like States in Bosonic and Fermionic Atomic Synthetic Ladders. <i>Physical Review X</i> , 2017, 7, .	8.9	66
74	Thermoelectric properties of an interacting quantum dot based heat engine. <i>Physical Review B</i> , 2017, 95, .	3.2	65
75	Localized Majorana-Like Modes in a Number-Conserving Setting: An Exactly Solvable Model. <i>Physical Review Letters</i> , 2015, 115, 156402.	7.8	64
76	Topological Fractional Pumping with Alkaline-Earth-Like Atoms in Synthetic Lattices. <i>Physical Review Letters</i> , 2017, 118, 230402.	7.8	63
77	Critical behavior of dissipative two-dimensional spin lattices. <i>Physical Review B</i> , 2017, 95, .	3.2	61
78	Quantum cloning in spin networks. <i>Physical Review A</i> , 2004, 70, .	2.5	60
79	Speeding up critical system dynamics through optimized evolution. <i>Physical Review A</i> , 2011, 84, .	2.5	60
80	Electron-electron interactions in decoupled graphene layers. <i>Physical Review B</i> , 2010, 82, .	3.2	58
81	Energy transport between two integrable spin chains. <i>Physical Review B</i> , 2016, 93, .	3.2	58
82	Entanglement transitions from stochastic resetting of non-Hermitian quasiparticles. <i>Physical Review B</i> , 2022, 105, .	3.2	57
83	Phase diagram of incoherently driven strongly correlated photonic lattices. <i>Physical Review A</i> , 2017, 96, .	2.5	55
84	Adiabatic quenches through an extended quantum critical region. <i>Physical Review B</i> , 2008, 77, .	3.2	54
85	Transitionless quantum driving in open quantum systems. <i>New Journal of Physics</i> , 2014, 16, 053017.	2.9	54
86	Steady-state phase diagram of a driven QED-cavity array with cross-Kerr nonlinearities. <i>Physical Review A</i> , 2014, 90, .	2.5	54
87	Robust gates for holonomic quantum computation. <i>Physical Review A</i> , 2006, 73, .	2.5	52
88	Charge Shuttle as a Nanomechanical Rectifier. <i>Physical Review Letters</i> , 2005, 94, 036806.	7.8	51
89	Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches. <i>Physical Review B</i> , 2009, 80, .	3.2	51
90	Quantum phase transitions and commensurability in frustrated Josephson junction arrays. <i>Physica Scripta</i> , 1992, T42, 159-170.	2.5	50

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91	Aharonov-Bohm-type oscillations of thermopower in a quantum-dot ring geometry. Physical Review B, 1997, 55, 4069-4072.	3.2	50
92	All-optical non-Markovian stroboscopic quantum simulator. Physical Review A, 2015, 91, .	2.5	50
93	Exotic Attractors of the Nonequilibrium Rabi-Hubbard Model. Physical Review Letters, 2016, 116, 143603.	7.8	50
94	Realization of Fully Frustrated Josephson-Junction Arrays with Cold Atoms. Physical Review Letters, 2005, 95, 010401.	7.8	49
95	Controlled Coupling of Spin-Resolved Quantum Hall Edge States. Physical Review Letters, 2011, 107, 236804.	7.8	49
96	Synthetic gauge fields in synthetic dimensions: interactions and chiral edge modes. New Journal of Physics, 2016, 18, 035010.	2.9	49
97	Absorption refrigerators based on Coulomb-coupled single-electron systems. Physical Review B, 2018, 98, .	3.2	49
98	Unconstrained tree tensor network: An adaptive gauge picture for enhanced performance. Physical Review B, 2014, 90, .	3.2	48
99	Dissipative Floquet Dynamics: from Steady State to Measurement Induced Criticality in Trapped-ion Chains. Quantum - the Open Journal for Quantum Science, 0, 6, 638.	0.0	48
100	Luther-Emery Phase and Atomic-Density Waves in a Trapped Fermion Gas. Physical Review Letters, 2007, 98, 030404.	7.8	47
101	Simulation and detection of photonic Chern insulators in a one-dimensional circuit-QED lattice. Physical Review A, 2015, 92, .	2.5	47
102	Stabilizing strongly correlated photon fluids with non-Markovian reservoirs. Physical Review A, 2017, 96, .	2.5	47
103	Phase transitions in dissipative Josephson chains: Monte Carlo results and response functions. Physical Review B, 1992, 45, 2294-2304.	3.2	46
104	Photon transport in a dissipative chain of nonlinear cavities. Physical Review A, 2015, 91, .	2.5	46
105	Separation of heat and charge currents for boosted thermoelectric conversion. Physical Review B, 2015, 91, .	3.2	45
106	Dissipation in adiabatic quantum computers: lessons from an exactly solvable model. New Journal of Physics, 2017, 19, 113029.	2.9	45
107	Counting statistics for entangled electrons. Physical Review B, 2002, 65, .	3.2	44
108	The Bose-Hubbard model: from Josephson junction arrays to optical lattices. Annalen Der Physik, 2005, 14, 566-577.	2.4	44

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109	Local density of states in metal-topological superconductor hybrid systems. Physical Review B, 2012, 85, .	3.2	44
110	Measurement-induced criticality in extended and long-range unitary circuits. SciPost Physics Core, 2022, 5, .	2.8	44
111	Re-Entrant Spin Susceptibility of a Superconducting Grain. Physical Review Letters, 2000, 84, 550-553.	7.8	42
112	dc and ac Josephson effect in a superconductorâ€“Luttinger-liquidâ€“superconductor system. Physical Review B, 1996, 53, 6653-6664.	3.2	41
113	Electronic Hong-Ou-Mandel interferometer for multimode entanglement detection. Physical Review B, 2006, 74, .	3.2	41
114	Local density of states in superconductor-ferromagnetic hybrid systems. Europhysics Letters, 1999, 45, 707-713.	2.0	40
115	Anomalous suppression of the shot noise in a nanoelectromechanical system. Physical Review B, 2006, 74, .	3.2	40
116	Topological order following a quantum quench. Physical Review A, 2009, 80, .	2.5	40
117	Homogeneous binary trees as ground states of quantum critical Hamiltonians. Physical Review A, 2010, 81, .	2.5	40
118	Signatures of many-body localization in the dynamics of two-site entanglement. Physical Review B, 2016, 94, .	3.2	40
119	Phase diagram of the dissipative quantum Ising model on a square lattice. Physical Review B, 2018, 98, .	3.2	40
120	Clauser-Horne inequality for electron-counting statistics in multiterminal mesoscopic conductors. Physical Review B, 2004, 69, .	3.2	39
121	Bang-bang control of a qubit coupled to a quantum critical spin bath. Physical Review A, 2008, 77, .	2.5	39
122	Geometric properties of adiabatic quantum thermal machines. Physical Review B, 2020, 102, .	3.2	38
123	Thermodynamics of Gambling Demons. Physical Review Letters, 2021, 126, 080603.	7.8	38
124	Dynamics of Entanglement in Quantum Computers with Imperfections. Physical Review Letters, 2003, 91, 187901.	7.8	37
125	Quantum Breathing of an Impurity in a One-Dimensional Bath of Interacting Bosons. Physical Review Letters, 2013, 110, 015302.	7.8	37
126	Dissipative topological superconductors in number-conserving systems. Physical Review B, 2016, 93, .	3.2	37

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127	Linked cluster expansions for open quantum systems on a lattice. Physical Review B, 2018, 97, .	3.2	37
128	From localization to anomalous diffusion in the dynamics of coupled kicked rotors. Physical Review E, 2018, 97, 022202.	2.1	36
129	Homogeneous Floquet time crystal protected by gauge invariance. Physical Review Research, 2020, 2, .	3.6	36
130	The BCS model and the off-shell Bethe ansatz for vertex models. Journal of Physics A, 2001, 34, 6425-6434.	1.6	35
131	Quantum Algorithms for Josephson Networks. Physical Review Letters, 2001, 87, 257905.	7.8	35
132	Decoherence by engineered quantum baths. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 8033-8040.	2.1	35
133	Quantum Vortex Dynamics in Josephson Junction Arrays. Ballistic Motion, Dissipation, and Tunnelling. Europhysics Letters, 1994, 25, 453-458.	2.0	34
134	Anomalous Density of States of a Luttinger Liquid in Contact with a Superconductor. Physical Review Letters, 1996, 77, 3200-3203.	7.8	34
135	Positive cross-correlations induced by ferromagnetic contacts. Physical Review B, 2002, 65, .	3.2	34
136	Floquet theory of Cooper pair pumping. Physical Review B, 2011, 83, .	3.2	33
137	Thermalization in a periodically driven fully connected quantum Ising ferromagnet. Europhysics Letters, 2015, 110, 37005.	2.0	33
138	Coupled qubits as a quantum heat switch. Quantum Science and Technology, 2017, 2, 044007.	5.8	33
139	Quantum synchronization in nanoscale heat engines. Physical Review E, 2020, 101, 020201.	2.1	33
140	Phase transitions in dissipative Josephson chains. Physical Review B, 1990, 41, 4009-4016.	3.2	32
141	Shot Noise for Resonant Cooper Pair Tunneling. Physical Review Letters, 2001, 87, 116601.	7.8	32
142	Optimized single-qubit gates for Josephson phase qubits. Physical Review B, 2009, 79, .	3.2	32
143	Efficiency of quantum controlled non-Markovian thermalization. New Journal of Physics, 2015, 17, 063031.	2.9	32
144	Dissipative Landau-Zener problem and thermally assisted Quantum Annealing. Physical Review B, 2017, 96, .	3.2	32

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145	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.	2.3	31
146	Feedback-controlled heat transport in quantum devices: theory and solid-state experimental proposal. New Journal of Physics, 2017, 19, 053027.	2.9	31
147	Aspects of Qubit Dynamics in the Presence of Leakage. Journal of Low Temperature Physics, 2000, 118, 795-804.	1.4	30
148	Coherent oscillations in a Cooper-pair box. Europhysics Letters, 2001, 53, 251-256.	2.0	30
149	Ultraefficient cooling in ferromagnetâ€“superconductor microrefrigerators. Applied Physics Letters, 2002, 80, 3784-3786.	3.3	30
150	Charge and current fluctuations in a superconducting single-electron transistor near a Cooper pair resonance. Physical Review B, 2003, 67, .	3.2	30
151	Crossed Andreev Reflection-Induced Magnetoresistance. Physical Review Letters, 2006, 97, 087001.	7.8	30
152	Optimizing autonomous thermal machines powered by energetic coherence. New Journal of Physics, 2021, 23, 043024.	2.9	30
153	Synchronization along quantum trajectories. Physical Review Research, 2020, 2, .	3.6	29
154	Non-Abelian Superconducting Pumps. Physical Review Letters, 2008, 100, 027002.	7.8	28
155	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. Physical Review A, 2014, 89, .	2.5	28
156	Complexity of controlling quantum many-body dynamics. Physical Review A, 2014, 89, .	2.5	28
157	Superfluid density and quasi-long-range order in the one-dimensional disordered Boseâ€“Hubbard model. New Journal of Physics, 2016, 18, 015015.	2.9	28
158	Boosting the performance of small autonomous refrigerators via common environmental effects. New Journal of Physics, 2019, 21, 123026.	2.9	28
159	Pumping through a quantum dot in the proximity of a superconductor. Physical Review B, 2007, 75, .	3.2	27
160	Blockade and Counterflow Supercurrent in Exciton-Condensate Josephson Junctions. Physical Review Letters, 2010, 104, 027004.	7.8	27
161	Spatially resolved analysis of edge-channel equilibration in quantum Hall circuits. Physical Review B, 2011, 83, .	3.2	27
162	Quantum correlations and limit cycles in the driven-dissipative Heisenberg lattice. New Journal of Physics, 2018, 20, 045004.	2.9	27

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163	Thermal drag in electronic conductors. Physical Review B, 2018, 98, .	3.2	27
164	Generalized measure of quantum synchronization. Physical Review Research, 2020, 2, .	3.6	27
165	Macroscopic entanglement in Josephson nanocircuits. Physical Review B, 2001, 64, .	3.2	26
166	Phase-dependent electronic specific heat of mesoscopic Josephson junctions. Physical Review B, 2008, 78, .	3.2	26
167	Many-body localization and thermalization in the full probability distribution function of observables. New Journal of Physics, 2012, 14, 095020.	2.9	26
168	Dissipation, correlation and lags in heat engines. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 345002.	2.1	26
169	μ expansion of the conductivity at the superconductor-Mott-insulator transition. Physical Review B, 1996, 53, R8883-R8886.	3.2	25
170	Josephson Current in Nb/InAs/Nb Highly Transmissive Ballistic Junctions. Journal of Superconductivity and Novel Magnetism, 2004, 17, 317-321.	0.5	25
171	Cloning transformations in spin networks without external control. Physical Review A, 2005, 72, .	2.5	25
172	Adiabatic Pumping in a Superconductor-Normal-Superconductor Weak Link. Physical Review Letters, 2005, 95, 256801.	7.8	25
173	Bound entanglement in the XY model. New Journal of Physics, 2007, 9, 322-322.	2.9	25
174	Multichannel architecture for electronic quantum Hall interferometry. Physical Review B, 2008, 77, .	3.2	25
175	Andreev interference in adiabatic pumping. Physical Review B, 2004, 70, .	3.2	24
176	Geometric-phase backaction in a mesoscopic qubit-oscillator system. Physical Review A, 2012, 85, .	2.5	24
177	Magnetic thermal switch for heat management at the nanoscale. Physical Review B, 2015, 91, .	3.2	24
178	Duality in Josephson junction arrays. Nuclear Physics, Section B, Proceedings Supplements, 1997, 58, 79-90.	0.4	23
179	Tailoring Josephson Coupling through Superconductivity-Induced Nonequilibrium. Physical Review Letters, 2004, 92, 137001.	7.8	23
180	Thermal transport in granular metals. Europhysics Letters, 2005, 69, 435-441.	2.0	23

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181	Coulomb-interaction effects in full counting statistics of a quantum-dot Aharonov-Bohm interferometer. Physical Review B, 2008, 78, .	3.2	23
182	Environment-Governed Dynamics in Driven Quantum Systems. Physical Review Letters, 2013, 110, 150403.	7.8	23
183	Entanglement entropy in a periodically driven Ising chain. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 073101.	2.3	23
184	Multipartite entanglement after a quantum quench. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053104.	2.3	23
185	Fully frustrated XY model with next-nearest-neighbor interaction. Physical Review B, 2000, 62, R9287-R9290.	3.2	22
186	Glassy dynamics of Josephson arrays on a dice lattice. Europhysics Letters, 2003, 61, 341-347.	2.0	22
187	A scheme for entanglement extraction from a solid. New Journal of Physics, 2006, 8, 95-95.	2.9	22
188	Critical exponents with a multiscale entanglement renormalization Ansatz channel. Physical Review B, 2009, 80, .	3.2	22
189	Photon Production from the Vacuum Close to the Superradiant Transition: Linking the Dynamical Casimir Effect to the Kibble-Zurek Mechanism. Physical Review Letters, 2012, 108, 093603.	7.8	22
190	Photon and polariton fluctuations in arrays of QED-cavities. Europhysics Letters, 2008, 83, 47011.	2.0	21
191	Steady-state entanglement activation in optomechanical cavities. Physical Review A, 2014, 89, .	2.5	21
192	Direct comparison of quantum and simulated annealing on a fully connected Ising ferromagnet. Physical Review A, 2017, 96, .	2.5	21
193	Non-Abelian Thouless pumping in a photonic lattice. Physical Review A, 2021, 103, .	2.5	21
194	Dipole oscillations of confined lattice bosons in one dimension. Physical Review A, 2009, 79, .	2.5	20
195	Probing a composite spin-boson environment. New Journal of Physics, 2009, 11, 063028.	2.9	20
196	Entanglement and magnetic order. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 504001.	2.1	20
197	Local shortcut to adiabaticity for quantum many-body systems. Physical Review A, 2016, 93, .	2.5	20
198	Majorana Quasiparticles Protected by Z2 Angular Momentum Conservation. Physical Review Letters, 2017, 118, 200404.	7.8	20

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199	Persistent currents by reservoir engineering. Physical Review A, 2018, 98, .	2.5	20
200	Many-Body Synchronization in a Classical Hamiltonian System. Physical Review Letters, 2019, 123, 184301.	7.8	20
201	Thermal rectification through a nonlinear quantum resonator. Physical Review B, 2021, 103, .	3.2	20
202	4e-condensation in a fully frustrated Josephson junction diamond chain. Physical Review B, 2006, 73, .	3.2	19
203	Homogeneous multiscale-entanglement-renormalization-ansatz states: An information theoretical analysis. Physical Review A, 2009, 79, .	2.5	19
204	Theory of integer quantum Hall polaritons in graphene. Physical Review B, 2014, 89, .	3.2	19
205	Out-of-equilibrium dynamics and thermalization of string order. Physical Review B, 2014, 90, .	3.2	19
206	Thermopower of three-terminal topological superconducting systems. Physical Review B, 2015, 91, .	3.2	19
207	Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. New Journal of Physics, 2015, 17, 013015.	2.9	19
208	Finite-frequency noise in a topological superconducting wire. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 75, 15-21.	2.7	19
209	Nonequilibrium spin-dependent phenomena in mesoscopic superconductorâ€“normal metal tunnel structures. Physical Review B, 2007, 76, .	3.2	18
210	Short-range order and phase diagram of a three-dimensional granular superconductor. Physical Review B, 1986, 34, 4909-4911.	3.2	17
211	Ferromagnetic resonant tunneling diodes as spin polarimeters. Applied Physics Letters, 2003, 82, 2449-2451.	3.3	17
212	Shot noise of a quantum dot with non-Fermi-liquid correlations. Physical Review B, 2003, 67, .	3.2	17
213	Dynamics and current fluctuations in an ac-driven charge shuttle. New Journal of Physics, 2006, 8, 113-113.	2.9	17
214	Josephson current in a four-terminal superconductor/exciton-condensate/superconductor system. Physical Review B, 2011, 84, .	3.2	17
215	Topological pumping in the one-dimensional Bose-Hubbard model. Physical Review B, 2013, 87, .	3.2	17
216	Emergent finite frequency criticality of driven-dissipative correlated lattice bosons. Physical Review B, 2019, 99, .	3.2	17

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217	Dynamical Mean-Field Theory for Markovian Open Quantum Many-Body Systems. Physical Review X, 2021, 11, .	8.9	17
218	Seeding Crystallization in Time. Physical Review Letters, 2022, 128, 080603.	7.8	17
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