

Mauro Paternostro

List of Publications by Year in descending order

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291
papers

11,198
citations

26567

56
h-index

42291

92
g-index

293
all docs

293
docs citations

293
times ranked

5344
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-cooling of a micromirror by radiation pressure. <i>Nature</i> , 2006, 444, 67-70.	13.7	819
2	Spin Entanglement Witness for Quantum Gravity. <i>Physical Review Letters</i> , 2017, 119, 240401.	2.9	415
3	Experimental Reconstruction of Work Distribution and Study of Fluctuation Relations in a Closed Quantum System. <i>Physical Review Letters</i> , 2014, 113, 140601.	2.9	288
4	Creating and Probing Multipartite Macroscopic Entanglement with Light. <i>Physical Review Letters</i> , 2007, 99, 250401.	2.9	267
5	More bang for your buck: Super-adiabatic quantum engines. <i>Scientific Reports</i> , 2014, 4, 6208.	1.6	232
6	Geometrical characterization of non-Markovianity. <i>Physical Review A</i> , 2013, 88, .	1.0	212
7	Experimental Realization of Dicke States of up to Six Qubits for Multiparty Quantum Networking. <i>Physical Review Letters</i> , 2009, 103, 020503.	2.9	211
8	Non-Markovian quantum processes: Complete framework and efficient characterization. <i>Physical Review A</i> , 2018, 97, .	1.0	202
9	Measuring the Characteristic Function of the Work Distribution. <i>Physical Review Letters</i> , 2013, 110, 230602.	2.9	200
10	AEDGE: Atomic Experiment for Dark Matter and Gravity Exploration in Space. <i>EPJ Quantum Technology</i> , 2020, 7, .	2.9	190
11	Generation of entangled coherent states via cross-phase-modulation in a double electromagnetically induced transparency regime. <i>Physical Review A</i> , 2003, 67, .	1.0	165
12	Operational Markov Condition for Quantum Processes. <i>Physical Review Letters</i> , 2018, 120, 040405.	2.9	157
13	Irreversible entropy production: From classical to quantum. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	157
14	Quantum Discord Bounds the Amount of Distributed Entanglement. <i>Physical Review Letters</i> , 2012, 109, 070501.	2.9	156
15	Perfect State Transfer on a Spin Chain without State Initialization. <i>Physical Review Letters</i> , 2008, 101, 230502.	2.9	131
16	Emergent Thermodynamics in a Quenched Quantum Many-Body System. <i>Physical Review Letters</i> , 2012, 109, 160601.	2.9	119
17	The role of quantum coherence in non-equilibrium entropy production. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	115
18	Experimental Realization of Deutsch's Algorithm in a One-Way Quantum Computer. <i>Physical Review Letters</i> , 2007, 98, 140501.	2.9	112

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19	Complete Conditions for Entanglement Transfer. <i>Physical Review Letters</i> , 2004, 92, 197901.	2.9	111
20	Reconstructing the dynamics of a movable mirror in a detuned optical cavity. <i>New Journal of Physics</i> , 2006, 8, 107-107.	1.2	105
21	Irreversibility and the Arrow of Time in a Quenched Quantum System. <i>Physical Review Letters</i> , 2015, 115, 190601.	2.9	105
22	Linear Optics Simulation of Quantum Non-Markovian Dynamics. <i>Scientific Reports</i> , 2012, 2, 968.	1.6	103
23	Shortcut to Adiabaticity in the Lipkin-Meshkov-Glick Model. <i>Physical Review Letters</i> , 2015, 114, 177206.	2.9	101
24	Observable quantum entanglement due to gravity. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	100
25	Optomechanics for quantum technologies. <i>Nature Physics</i> , 2022, 18, 15-24.	6.5	100
26	Orthogonality catastrophe as a consequence of qubit embedding in an ultracold Fermi gas. <i>Physical Review A</i> , 2011, 84, .	1.0	99
27	Proposal for a Noninterferometric Test of Collapse Models in Optomechanical Systems. <i>Physical Review Letters</i> , 2014, 112, .	2.9	97
28	Parametric feedback cooling of levitated optomechanics in a parabolic mirror trap. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1421.	0.9	95
29	Nonequilibrium Quantum Landauer Principle. <i>Physical Review Letters</i> , 2015, 114, 060602.	2.9	94
30	Daemonic ergotropy: enhanced work extraction from quantum correlations. <i>Npj Quantum Information</i> , 2017, 3, .	2.8	89
31	Entanglement detection in hybrid optomechanical systems. <i>Physical Review A</i> , 2011, 83, .	1.0	88
32	Memory-keeping effects and forgetfulness in the dynamics of a qubit coupled to a spin chain. <i>Physical Review A</i> , 2011, 83, .	1.0	88
33	Machine Learning-Based Classification of Vector Vortex Beams. <i>Physical Review Letters</i> , 2020, 124, 160401.	2.9	88
34	Landauer's Principle in Multipartite Open Quantum System Dynamics. <i>Physical Review Letters</i> , 2015, 115, 120403.	2.9	85
35	Single-Photon Excitation of Surface Plasmon Polaritons. <i>Physical Review Letters</i> , 2008, 101, 190504.	2.9	81
36	Simulation of quantum random walks using the interference of a classical field. <i>Physical Review A</i> , 2004, 69, .	1.0	79

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37	Non-Markovianity and system-environment correlations in a microscopic collision model. <i>Physical Review A</i> , 2014, 89, .	1.0	79
38	Macroscopic Quantum Resonators (MAQRO): 2015 update. <i>EPJ Quantum Technology</i> , 2016, 3, .	2.9	77
39	Entanglement between two superconducting qubits via interaction with nonclassical radiation. <i>Physical Review B</i> , 2004, 69, .	1.1	74
40	Faithful nonclassicality indicators and extremal quantum correlations in two-qubit states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 352002.	0.7	73
41	Entanglement Reciprocation between Qubits and Continuous Variables. <i>Physical Review Letters</i> , 2006, 96, 080501.	2.9	71
42	Hamiltonian Tomography in an Access-Limited Setting without State Initialization. <i>Physical Review Letters</i> , 2009, 102, 187203.	2.9	70
43	Assessing the Nonequilibrium Thermodynamics in a Quenched Quantum Many-Body System via Single Projective Measurements. <i>Physical Review X</i> , 2014, 4, .	2.8	68
44	Implications of non-Markovian quantum dynamics for the Landauer bound. <i>New Journal of Physics</i> , 2016, 18, 123018.	1.2	68
45	Wigner Entropy Production Rate. <i>Physical Review Letters</i> , 2017, 118, 220601.	2.9	68
46	Experimental Engineering of Arbitrary Qudit States with Discrete-Time Quantum Walks. <i>Physical Review Letters</i> , 2019, 122, 020503.	2.9	68
47	Programmable linear quantum networks with a multimode fibre. <i>Nature Photonics</i> , 2020, 14, 139-142.	15.6	67
48	Dynamical entanglement transfer for quantum-information networks. <i>Physical Review A</i> , 2004, 70, .	1.0	66
49	Dynamical role of system-environment correlations in non-Markovian dynamics. <i>Physical Review A</i> , 2012, 86, .	1.0	66
50	Reconfigurable Long-Range Phonon Dynamics in Optomechanical Arrays. <i>Physical Review Letters</i> , 2014, 112, 133604.	2.9	66
51	Thermodynamics of Weakly Coherent Collisional Models. <i>Physical Review Letters</i> , 2019, 123, 140601.	2.9	66
52	Qubit-assisted thermometry of a quantum harmonic oscillator. <i>Physical Review A</i> , 2012, 86, .	1.0	64
53	Revealing Nonclassicality of Inaccessible Objects. <i>Physical Review Letters</i> , 2017, 119, 120402.	2.9	64
54	Experimental Distribution of Entanglement with Separable Carriers. <i>Physical Review Letters</i> , 2013, 111, 230504.	2.9	62

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55	Global quantum correlations in finite-size spin chains. <i>New Journal of Physics</i> , 2013, 15, 043033.	1.2	59
56	Failure of Local Realism Revealed by Extremely-Coarse-Grained Measurements. <i>Physical Review Letters</i> , 2009, 102, 060403.	2.9	58
57	Experimental Determination of Irreversible Entropy Production in out-of-Equilibrium Mesoscopic Quantum Systems. <i>Physical Review Letters</i> , 2018, 121, 160604.	2.9	58
58	Quantum-state transfer in imperfect artificial spin networks. <i>Physical Review A</i> , 2005, 71, .	1.0	56
59	Cold-Atom-Induced Control of an Optomechanical Device. <i>Physical Review Letters</i> , 2010, 104, 243602.	2.9	56
60	Distributing fully optomechanical quantum correlations. <i>Physical Review A</i> , 2011, 83, .	1.0	56
61	Testing wave-function-collapse models using parametric heating of a trapped nanosphere. <i>Physical Review A</i> , 2016, 94, .	1.0	56
62	Non-Markovianity, coherence, and system-environment correlations in a long-range collision model. <i>Physical Review A</i> , 2017, 96, .	1.0	56
63	Testing the gravitational field generated by a quantum superposition. <i>New Journal of Physics</i> , 2019, 21, 093052.	1.2	55
64	Transitionless quantum driving in open quantum systems. <i>New Journal of Physics</i> , 2014, 16, 053017.	1.2	54
65	Entanglement control in hybrid optomechanical systems. <i>Physical Review A</i> , 2012, 86, .	1.0	52
66	An out-of-equilibrium non-Markovian quantum heat engine. <i>Quantum Science and Technology</i> , 2019, 4, 025002.	2.6	51
67	Propagation of nonclassical correlations across a quantum spin chain. <i>Physical Review A</i> , 2011, 84, .	1.0	49
68	Shortcut-to-adiabaticity Otto engine: A twist to finite-time thermodynamics. <i>Physical Review E</i> , 2019, 99, 022110.	0.8	48
69	Engineering Nonclassicality in a Mechanical System through Photon Subtraction. <i>Physical Review Letters</i> , 2011, 106, 183601.	2.9	46
70	Enhanced dynamical entanglement transfer with multiple qubits. <i>Physical Review A</i> , 2006, 73, .	1.0	45
71	A photonic Carnot engine powered by a spin-star network. <i>Europhysics Letters</i> , 2017, 117, 50002.	0.7	41
72	Non-interferometric test of the continuous spontaneous localization model based on rotational optomechanics. <i>New Journal of Physics</i> , 2018, 20, 083022.	1.2	41

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73	Multipartite optomechanical entanglement from competing nonlinearities. <i>Physical Review A</i> , 2012, 86, .	1.0	40
74	Out-of-equilibrium thermodynamics of quantum optomechanical systems. <i>New Journal of Physics</i> , 2015, 17, 035016.	1.2	40
75	Present status and future challenges of non-interferometric tests of collapse models. <i>Nature Physics</i> , 2022, 18, 243-250.	6.5	40
76	Multipartite nonlocality in a thermalized Ising spin chain. <i>Physical Review A</i> , 2010, 82, .	1.0	38
77	Role of environmental correlations in the non-Markovian dynamics of a spin system. <i>Physical Review A</i> , 2011, 84, .	1.0	38
78	Experimental Quantum Networking Protocols via Four-Qubit Hyperentangled Dicke States. <i>Physical Review Letters</i> , 2012, 109, 173604.	2.9	38
79	Quantum physics in space. <i>Physics Reports</i> , 2022, 951, 1-70.	10.3	38
80	Interaction-induced correlations and non-Markovianity of quantum dynamics. <i>Physical Review A</i> , 2013, 87, .	1.0	37
81	Work extraction and energy storage in the Dicke model. <i>Physical Review E</i> , 2016, 94, 052122.	0.8	37
82	Vibrational coherent quantum computation. <i>Physical Review A</i> , 2005, 71, .	1.0	36
83	Experimental Demonstration of Decoherence-Free One-Way Information Transfer. <i>Physical Review Letters</i> , 2007, 99, 250503.	2.9	35
84	Selectable linear or quadratic coupling in an optomechanical system. <i>Physical Review A</i> , 2013, 87, .	1.0	35
85	Experimental signature of quantum Darwinism in photonic cluster states. <i>Physical Review A</i> , 2018, 98, .	1.0	35
86	Unconditional preparation of nonclassical states via linear-and-quadratic optomechanics. <i>Physical Review A</i> , 2018, 98, .	1.0	34
87	Optomechanical to mechanical entanglement transformation. <i>New Journal of Physics</i> , 2008, 10, 095014.	1.2	33
88	Quantum-information processing with noisy cluster states. <i>Physical Review A</i> , 2005, 72, .	1.0	32
89	Thermal transport in out-of-equilibrium quantum harmonic chains. <i>Physical Review E</i> , 2015, 91, 042116.	0.8	32
90	Energetic cost of quantum control protocols. <i>New Journal of Physics</i> , 2019, 21, 103048.	1.2	32

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91	Robust multipartite entanglement generation via a collision model. <i>Physical Review A</i> , 2019, 99, .	1.0	32
92	Shortcut-to-adiabaticity quantum Otto refrigerator. <i>Physical Review Research</i> , 2020, 2, .	1.3	32
93	Extraction of Singlet States from Noninteracting High-Dimensional Spins. <i>Physical Review Letters</i> , 2008, 100, 150501.	2.9	31
94	Hybrid optomechanics for Quantum Technologies. <i>Quantum Measurements and Quantum Metrology</i> , 2014, 2, .	3.3	31
95	Entanglement classification via neural network quantum states. <i>New Journal of Physics</i> , 2020, 22, 045001.	1.2	31
96	Non-local quantum gates: A cavity-quantum-electrodynamics implementation. <i>Journal of Modern Optics</i> , 2003, 50, 2075-2094.	0.6	30
97	Non-equilibrium thermodynamics of harmonically trapped bosons. <i>New Journal of Physics</i> , 2016, 18, 103035.	1.2	30
98	Nonlinearity as a resource for nonclassicality in anharmonic systems. <i>Physical Review A</i> , 2016, 93, .	1.0	29
99	Global and local thermometry schemes in coupled quantum systems. <i>New Journal of Physics</i> , 2017, 19, 103003.	1.2	29
100	Quantum state engineering using one-dimensional discrete-time quantum walks. <i>Physical Review A</i> , 2017, 96, .	1.0	29
101	Reinforcement Learning Approach to Nonequilibrium Quantum Thermodynamics. <i>Physical Review Letters</i> , 2021, 126, 020601.	2.9	29
102	Natural three-qubit interactions in one-way quantum computing. <i>Physical Review A</i> , 2006, 73, .	1.0	28
103	Tuning non-Markovianity by spin-dynamics control. <i>Physical Review A</i> , 2013, 87, .	1.0	28
104	Entanglement Replication in Driven Dissipative Many-Body systems. <i>Physical Review Letters</i> , 2013, 110, 040503.	2.9	28
105	Testing the foundation of quantum physics in space via Interferometric and non-interferometric experiments with mesoscopic nanoparticles. <i>Communications Physics</i> , 2021, 4, .	2.0	28
106	GLOBAL QUANTUM CORRELATIONS IN THE ISING MODEL. <i>International Journal of Quantum Information</i> , 2011, 09, 1685-1699.	0.6	27
107	Long-range multipartite entanglement close to a first-order quantum phase transition. <i>Physical Review A</i> , 2014, 89, .	1.0	27
108	Nested entangled states for distributed quantum channels. <i>Physical Review A</i> , 2008, 77, .	1.0	26

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109	Testing nonlocal realism with entangled coherent states. <i>Physical Review A</i> , 2010, 81, .	1.0	26
110	Control-limited perfect state transfer, quantum stochastic resonance, and many-body entangling gate in imperfect qubit registers. <i>Physical Review A</i> , 2008, 77, .	1.0	25
111	Experimental extractable work-based multipartite separability criteria. <i>Npj Quantum Information</i> , 2017, 3, .	2.8	25
112	Probing quantum features of photosynthetic organisms. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	25
113	Experimental Assessment of Entropy Production in a Continuously Measured Mechanical Resonator. <i>Physical Review Letters</i> , 2020, 125, 080601.	2.9	25
114	Concentration and purification of entanglement for qubit systems with ancillary cavity fields. <i>Physical Review A</i> , 2007, 75, .	1.0	24
115	Characterizing multipartite symmetric Dicke states under the effects of noise. <i>New Journal of Physics</i> , 2009, 11, 073039.	1.2	24
116	Faithful test of nonlocal realism with entangled coherent states. <i>Physical Review A</i> , 2011, 83, .	1.0	24
117	Geometric-phase backaction in a mesoscopic qubit-oscillator system. <i>Physical Review A</i> , 2012, 85, .	1.0	24
118	Competition between memory-keeping and memory-erasing decoherence channels. <i>Physical Review A</i> , 2014, 90, .	1.0	24
119	Collisional unfolding of quantum Darwinism. <i>Physical Review A</i> , 2019, 99, .	1.0	24
120	Experimental characterization of the energetics of quantum logic gates. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
121	Entropy production in continuously measured Gaussian quantum systems. <i>Npj Quantum Information</i> , 2020, 6, .	2.8	24
122	Hybrid methods for witnessing entanglement in a microscopic-macroscopic system. <i>Physical Review A</i> , 2011, 84, .	1.0	23
123	Role of information backflow in the emergence of quantum Darwinism. <i>Physical Review A</i> , 2019, 100, .	1.0	23
124	Quantum technologies in space. <i>Experimental Astronomy</i> , 2021, 51, 1677-1694.	1.6	23
125	Entanglement generation and protection by detuning modulation. <i>Physical Review A</i> , 2006, 74, .	1.0	22
126	Information-flux approach to multiple-spin dynamics. <i>Physical Review A</i> , 2007, 76, .	1.0	22

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127	Extremal quantum correlations: Experimental study with two-qubit states. <i>Physical Review A</i> , 2011, 84, .	1.0	22
128	Activating optomechanical entanglement. <i>Scientific Reports</i> , 2011, 1, 199.	1.6	22
129	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
130	Einstein-Podolsky-Rosen steering and quantum steering ellipsoids: Optimal two-qubit states and projective measurements. <i>Physical Review A</i> , 2017, 95, .	1.0	22
131	Ultra-cold single-atom quantum heat engines. <i>New Journal of Physics</i> , 2019, 21, 063019.	1.2	22
132	Work extraction from coherently activated maps via quantum switch. <i>Physical Review A</i> , 2022, 105, .	1.0	22
133	A tutorial on optimal control and reinforcement learning methods for quantum technologies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 434, 128054.	0.9	22
134	Cross-Kerr-based information transfer processes. <i>New Journal of Physics</i> , 2006, 8, 23-23.	1.2	21
135	Solitonic behaviour in coupled multi atomâ€“cavity systems. <i>New Journal of Physics</i> , 2009, 11, 013059.	1.2	20
136	Manipulating and protecting entanglement by means of spin environments. <i>New Journal of Physics</i> , 2010, 12, 083046.	1.2	20
137	Nonlinearity and nonclassicality in a nanomechanical resonator. <i>EPJ Quantum Technology</i> , 2015, 2, .	2.9	20
138	Nonclassicality of optomechanical devices in experimentally realistic operating regimes. <i>Physical Review A</i> , 2013, 88, .	1.0	19
139	Characterization of Bose-Hubbard models with quantum nondemolition measurements. <i>Physical Review A</i> , 2014, 90, .	1.0	19
140	Multisplitter Interaction for Entanglement Distribution. <i>Physical Review Letters</i> , 2005, 94, 070501.	2.9	18
141	Critical assessment of two-qubit post-Markovian master equations. <i>Physical Review A</i> , 2012, 85, .	1.0	18
142	Determining stationary-state quantum properties directly from system-environment interactions. <i>Physical Review A</i> , 2016, 94, .	1.0	18
143	Unitary unraveling for the dissipative continuous spontaneous localization model: Application to optomechanical experiments. <i>Physical Review A</i> , 2018, 98, .	1.0	18
144	End-point measurement approach to assess quantum coherence in energy fluctuations. <i>Physical Review A</i> , 2021, 104, .	1.0	18

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145	Probing the environment of an inaccessible system by a qubit ancilla. <i>Physical Review A</i> , 2010, 81, .	1.0	17
146	Vortex entanglement in Bose-Einstein condensates coupled to Laguerre-Gauss beams. <i>Physical Review A</i> , 2010, 81, .	1.0	17
147	Enhancing non-classicality in mechanical systems. <i>New Journal of Physics</i> , 2013, 15, 033023.	1.2	17
148	Spin-phase-space-entropy production. <i>Physical Review A</i> , 2018, 97, .	1.0	17
149	Anti-Zeno-based dynamical control of the unfolding of quantum Darwinism. <i>Physical Review Research</i> , 2020, 2, .	1.3	17
150	Accumulation of Entanglement in a Continuous Variable Memory. <i>Physical Review Letters</i> , 2007, 98, 140504.	2.9	16
151	Reducing quantum control for spin-entangled spin entanglement distribution. <i>New Journal of Physics</i> , 2009, 11, 113053.	1.2	16
152	Controllable Gaussian-Qubit Interface for Extremal Quantum State Engineering. <i>Physical Review Letters</i> , 2010, 104, 240501.	2.9	15
153	Tripartite nonlocality and continuous-variable entanglement in thermal states of trapped ions. <i>Physical Review A</i> , 2011, 84, .	1.0	15
154	Work statistics, irreversible heat and correlations build-up in joining two spin chains. <i>Physica Scripta</i> , 2015, T165, 014023.	1.2	15
155	Quantum-limited estimation of continuous spontaneous localization. <i>Physical Review A</i> , 2017, 95, .	1.0	15
156	Phase-space interference in extensive and nonextensive quantum heat engines. <i>Physical Review E</i> , 2018, 97, 042127.	0.8	15
157	Nonequilibrium thermodynamics of continuously measured quantum systems: A circuit QED implementation. <i>Physical Review B</i> , 2018, 98, .	1.1	15
158	Talbot-Lau effect beyond the point-particle approximation. <i>Physical Review A</i> , 2019, 100, .	1.0	15
159	Supervised learning of time-independent Hamiltonians for gate design. <i>New Journal of Physics</i> , 2020, 22, 065001.	1.2	15
160	Hybrid cluster state proposal for a quantum game. <i>New Journal of Physics</i> , 2005, 7, 226-226.	1.2	14
161	One-way quantum computing in a decoherence-free subspace. <i>New Journal of Physics</i> , 2007, 9, 201-201.	1.2	14
162	Dissipative scheme to approach the boundary of two-qubit entangled mixed states. <i>Physical Review A</i> , 2009, 79, .	1.0	14

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163	Using macroscopic entanglement to close the detection loophole in Bell-inequality tests. <i>Physical Review A</i> , 2012, 85, .	1.0	14
164	Testing genuine multipartite nonlocality in phase space. <i>Physical Review A</i> , 2013, 87, .	1.0	14
165	Detecting the work statistics through Ramsey-like interferometry. <i>International Journal of Quantum Information</i> , 2014, 12, 1461007.	0.6	14
166	Full counting statistics approach to the quantum non-equilibrium Landauer bound. <i>New Journal of Physics</i> , 2017, 19, 103038.	1.2	14
167	The entropic cost of quantum generalized measurements. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	14
168	Quantum work statistics and resource theories: Bridging the gap through Rényi divergences. <i>Physical Review E</i> , 2019, 99, 050101.	0.8	14
169	Quantum simulation of multiphoton and nonlinear dissipative spin-boson models. <i>Physical Review A</i> , 2019, 99, .	1.0	14
170	Quantum State Engineering by Shortcuts to Adiabaticity in Interacting Spin-Boson Systems. <i>Physical Review Letters</i> , 2020, 124, 180401.	2.9	14
171	Measurement-based cooling of a nonlinear mechanical resonator. <i>Physical Review B</i> , 2020, 101, .	1.1	14
172	Reinforcement learning-enhanced protocols for coherent population-transfer in three-level quantum systems. <i>New Journal of Physics</i> , 2021, 23, 093035.	1.2	14
173	Nonequilibrium readiness and precision of Gaussian quantum thermometers. <i>Physical Review Research</i> , 2020, 2, .	1.3	14
174	Qubit state guidance without feedback. <i>New Journal of Physics</i> , 2005, 7, 43-43.	1.2	13
175	Physical model for the generation of ideal resources in multipartite quantum networking. <i>Physical Review A</i> , 2010, 82, .	1.0	13
176	Quantum state transfer via temporal kicking of information. <i>Physical Review A</i> , 2010, 81, .	1.0	13
177	Dynamics of interacting Dicke model in a coupled-cavity array. <i>Physical Review A</i> , 2014, 90, .	1.0	13
178	Localizationlike effect in two-dimensional alternate quantum walks with periodic coin operations. <i>Physical Review A</i> , 2015, 91, .	1.0	13
179	Thermodynamics of trajectories and local fluctuation theorems for harmonic quantum networks. <i>New Journal of Physics</i> , 2016, 18, 013009.	1.2	13
180	Detecting Gaussian entanglement via extractable work. <i>Physical Review A</i> , 2017, 96, .	1.0	13

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181	Quantum Darwinism in a Composite System: Objectivity versus Classicality. Entropy, 2021, 23, 995.	1.1	13
182	Perspectives for quantum state engineering via high nonlinearity in a double-EIT regime. Journal of Modern Optics, 2003, 50, 2565-2582.	0.6	12
183	A DEEPER INSIGHT INTO QUANTUM STATE TRANSFER FROM AN INFORMATION FLUX VIEWPOINT. International Journal of Quantum Information, 2008, 06, 659-665.	0.6	12
184	Violations of Bell's inequality for Gaussian states with homodyne detection and nonlinear interactions. Physical Review A, 2009, 79, .	1.0	12
185	Passing quantum correlations to qubits using any two-mode state. Physical Review A, 2009, 80, .	1.0	12
186	Simple trapped-ion architecture for high-fidelity Toffoli gates. Physical Review A, 2011, 84, .	1.0	12
187	Structural change of vortex patterns in anisotropic Bose-Einstein condensates. Physical Review A, 2011, 83, .	1.0	12
188	Non-Markovian qubit dynamics in a circuit-QED setup. Physical Review A, 2015, 91, .	1.0	12
189	Equilibration and nonclassicality of a double-well potential. Scientific Reports, 2016, 6, 19730.	1.6	12
190	Information-reality complementarity in photonic weak measurements. Physical Review A, 2018, 97, .	1.0	12
191	Quantum Darwinism in a structured spin environment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 416, 127675.	0.9	12
192	Dynamical learning of a photonics quantum-state engineering process. Advanced Photonics, 2021, 3, .	6.2	12
193	Entanglement generation in harmonic chains: Tagging by squeezing. Physical Review A, 2005, 72, .	1.0	11
194	Entanglement of mixed macroscopic superpositions: An entangling-power study. Physical Review A, 2006, 73, .	1.0	11
195	Testing quantum contextuality of continuous-variable states. Physical Review A, 2011, 83, .	1.0	11
196	Cavity-aided quantum parameter estimation in a bosonic double-well Josephson junction. Physical Review A, 2015, 91, .	1.0	11
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