

Jens Eisert

List of Publications by Year in descending order

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283
papers

22,996
citations

12322

69
h-index

9579

142
g-index

290
all docs

290
docs citations

290
times ranked

9552
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Colloquium</i>: Area laws for the entanglement entropy. Reviews of Modern Physics, 2010, 82, 277-306.	16.4	1,945
2	Quantum many-body systems out of equilibrium. Nature Physics, 2015, 11, 124-130.	6.5	880
3	Probing the relaxation towards equilibrium in an isolated strongly correlated one-dimensional Bose gas. Nature Physics, 2012, 8, 325-330.	6.5	762
4	Quantum Games and Quantum Strategies. Physical Review Letters, 1999, 83, 3077-3080.	2.9	751
5	Multipartite entanglement in graph states. Physical Review A, 2004, 69, .	1.0	709
6	Quantum State Tomography via Compressed Sensing. Physical Review Letters, 2010, 105, 150401.	2.9	708
7	Equilibration, thermalisation, and the emergence of statistical mechanics in closed quantum systems. Reports on Progress in Physics, 2016, 79, 056001.	8.1	633
8	Advances in quantum teleportation. Nature Photonics, 2015, 9, 641-652.	15.6	511
9	Distilling Gaussian States with Gaussian Operations is Impossible. Physical Review Letters, 2002, 89, 137903.	2.9	490
10	Assessing Non-Markovian Quantum Dynamics. Physical Review Letters, 2008, 101, 150402.	2.9	477
11	Exact Relaxation in a Class of Nonequilibrium Quantum Lattice Systems. Physical Review Letters, 2008, 100, 030602.	2.9	363
12	The quantum technologies roadmap: a European community view. New Journal of Physics, 2018, 20, 080201.	1.2	358
13	Entanglement properties of the harmonic chain. Physical Review A, 2002, 66, .	1.0	318
14	Entropy, Entanglement, and Area: Analytical Results for Harmonic Lattice Systems. Physical Review Letters, 2005, 94, 060503.	2.9	303
15	INTRODUCTION TO THE BASICS OF ENTANGLEMENT THEORY IN CONTINUOUS-VARIABLE SYSTEMS. International Journal of Quantum Information, 2003, 01, 479-506.	0.6	283
16	Optimal local implementation of nonlocal quantum gates. Physical Review A, 2000, 62, .	1.0	273
17	Quantum information processing and communication. European Physical Journal D, 2005, 36, 203-228.	0.6	272
18	Gently Modulating Optomechanical Systems. Physical Review Letters, 2009, 103, 213603.	2.9	271

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19	Creating and Probing Multipartite Macroscopic Entanglement with Light. Physical Review Letters, 2007, 99, 250401.	2.9	267
20	Tomography of quantum detectors. Nature Physics, 2009, 5, 27-30.	6.5	267
21	Positive Wigner Functions Render Classical Simulation of Quantum Computation Efficient. Physical Review Letters, 2012, 109, 230503.	2.9	267
22	A comparison of entanglement measures. Journal of Modern Optics, 1999, 46, 145-154.	0.6	246
23	Dynamics and manipulation of entanglement in coupled harmonic systems with many degrees of freedom. New Journal of Physics, 2004, 6, 36-36.	1.2	235
24	Quantum tomography via compressed sensing: error bounds, sample complexity and efficient estimators. New Journal of Physics, 2012, 14, 095022.	1.2	226
25	Most Quantum States Are Too Entangled To Be Useful As Computational Resources. Physical Review Letters, 2009, 102, 190501.	2.9	203
26	Entanglement Cost under Positive-Partial-Transpose-Preserving Operations. Physical Review Letters, 2003, 90, 027901.	2.9	199
27	Novel Schemes for Measurement-Based Quantum Computation. Physical Review Letters, 2007, 98, 220503.	2.9	197
28	Evenly distributed unitaries: On the structure of unitary designs. Journal of Mathematical Physics, 2007, 48, 052104.	0.5	193
29	Absence of Thermalization in Nonintegrable Systems. Physical Review Letters, 2011, 106, 040401.	2.9	188
30	Schmidt measure as a tool for quantifying multiparticle entanglement. Physical Review A, 2001, 64, .	1.0	178
31	Quantitative entanglement witnesses. New Journal of Physics, 2007, 9, 46-46.	1.2	176
32	Quantum games. Journal of Modern Optics, 2000, 47, 2543-2556.	0.6	174
33	Towards Quantum Entanglement in Nanoelectromechanical Devices. Physical Review Letters, 2004, 93, 190402.	2.9	174
34	Entanglement-area law for general bosonic harmonic lattice systems. Physical Review A, 2006, 73, .	1.0	173
35	Driving non-Gaussian to Gaussian states with linear optics. Physical Review A, 2003, 67, .	1.0	165
36	Quantum certification and benchmarking. Nature Reviews Physics, 2020, 2, 382-390.	11.9	162

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37	Mixtures of bosonic and fermionic atoms in optical lattices. <i>Physical Review A</i> , 2003, 68, .	1.0	160
38	Emergence of coherence and the dynamics of quantum phase transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3641-3646.	3.3	152
39	General Entanglement Scaling Laws from Time Evolution. <i>Physical Review Letters</i> , 2006, 97, 150404.	2.9	148
40	A quantum central limit theorem for non-equilibrium systems: exact local relaxation of correlated states. <i>New Journal of Physics</i> , 2010, 12, 055020.	1.2	144
41	Complexity and entanglement for thermofield double states. <i>SciPost Physics</i> , 2019, 6, .	1.5	142
42	Observation of non-Markovian micromechanical Brownian motion. <i>Nature Communications</i> , 2015, 6, 7606.	5.8	141
43	Measurement-based quantum computation beyond the one-way model. <i>Physical Review A</i> , 2007, 76, .	1.0	140
44	Thermalization in Nature and on a Quantum Computer. <i>Physical Review Letters</i> , 2012, 108, 080402.	2.9	136
45	Covariance Matrices and the Separability Problem. <i>Physical Review Letters</i> , 2007, 99, 130504.	2.9	130
46	Stochastic gradient descent for hybrid quantum-classical optimization. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 314.	0.0	130
47	Breakdown of Quasilocality in Long-Range Quantum Lattice Models. <i>Physical Review Letters</i> , 2013, 111, 260401.	2.9	125
48	Entangling Power of Passive Optical Elements. <i>Physical Review Letters</i> , 2003, 90, 047904.	2.9	120
49	Optimal entanglement witnesses for continuous-variable systems. <i>New Journal of Physics</i> , 2006, 8, 51-51.	1.2	118
50	Cooling by Heating: Very Hot Thermal Light Can Significantly Cool Quantum Systems. <i>Physical Review Letters</i> , 2012, 108, 120602.	2.9	115
51	Exploring Local Quantum Many-Body Relaxation by Atoms in Optical Superlattices. <i>Physical Review Letters</i> , 2008, 101, 063001.	2.9	114
52	Contraction of fermionic operator circuits and the simulation of strongly correlated fermions. <i>Physical Review A</i> , 2009, 80, .	1.0	108
53	Locality of Temperature. <i>Physical Review X</i> , 2014, 4, .	2.8	107
54	On the quantification of entanglement in infinite-dimensional quantum systems. <i>Journal of Physics A</i> , 2002, 35, 3911-3923.	1.6	101

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55	Experimental quantum compressed sensing for a seven-qubit system. Nature Communications, 2017, 8, 15305.	5.8	97
56	Positive Tensor Network Approach for Simulating Open Quantum Many-Body Systems. Physical Review Letters, 2016, 116, 237201.	2.9	95
57	Distillation of continuous-variable entanglement with optical means. Annals of Physics, 2004, 311, 431-458.	1.0	92
58	Dissipative Quantum Church-Turing Theorem. Physical Review Letters, 2011, 107, 120501.	2.9	90
59	Probing local relaxation of cold atoms in optical superlattices. Physical Review A, 2008, 78, .	1.0	88
60	Many-Body Localization Implies that Eigenvectors are Matrix-Product States. Physical Review Letters, 2015, 114, 170505.	2.9	88
61	Single-copy entanglement in critical quantum spin chains. Physical Review A, 2005, 72, .	1.0	85
62	Percolation, Renormalization, and Quantum Computing with Nondeterministic Gates. Physical Review Letters, 2007, 99, 130501.	2.9	84
63	Strong Coupling Corrections in Quantum Thermodynamics. Physical Review Letters, 2018, 120, 120602.	2.9	84
64	Oxidative phenol coupling with cupric-amine complexes. Tetrahedron Letters, 1977, 18, 4447-4450.	0.7	82
65	Unitary circuits for strongly correlated fermions. Physical Review A, 2010, 81, .	1.0	78
66	Complete hierarchies of efficient approximations to problems in entanglement theory. Physical Review A, 2004, 70, .	1.0	76
67	Correlations, spectral gap and entanglement in harmonic quantum systems on generic lattices. New Journal of Physics, 2006, 8, 71-71.	1.2	75
68	Directly Estimating Nonclassicality. Physical Review Letters, 2011, 106, 010403.	2.9	75
69	Structure of the Resource Theory of Quantum Coherence. Physical Review Letters, 2017, 119, 140402.	2.9	75
70	Limitations of quantum computing with Gaussian cluster states. Physical Review A, 2010, 82, .	1.0	74
71	Measuring measurement: theory and practice. New Journal of Physics, 2009, 11, 093038.	1.2	73
72	Asymptotic Relative Entropy of Entanglement. Physical Review Letters, 2001, 87, 217902.	2.9	72

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73	Reliable quantum certification of photonic state preparations. Nature Communications, 2015, 6, 8498.	5.8	71
74	Multi-mode bosonic Gaussian channels. New Journal of Physics, 2008, 10, 083030.	1.2	70
75	Unifying several separability conditions using the covariance matrix criterion. Physical Review A, 2008, 78, .	1.0	67
76	Quantum and Classical Correlations in Quantum Brownian Motion. Physical Review Letters, 2002, 89, 137902.	2.9	65
77	Total correlations of the diagonal ensemble herald the many-body localization transition. Physical Review B, 2015, 92, .	1.1	64
78	Statistics Dependence of the Entanglement Entropy. Physical Review Letters, 2007, 98, 220603.	2.9	63
79	Continuity bounds on the quantum relative entropy. Journal of Mathematical Physics, 2005, 46, 102104.	0.5	62
80	Thermodynamic work from operational principles. New Journal of Physics, 2016, 18, 103017.	1.2	60
81	Half the entanglement in critical systems is distillable from a single specimen. Physical Review A, 2006, 73, .	1.0	58
82	Opto- and electro-mechanical entanglement improved by modulation. New Journal of Physics, 2012, 14, 075014.	1.2	56
83	Quantum network routing and local complementation. Npj Quantum Information, 2019, 5, .	2.8	56
84	Integral Equation Method for the Continuous Spectrum Radial Schrödinger Equation. Journal of Computational Physics, 1997, 134, 134-149.	1.9	55
85	Multiplicativity of maximal output purities of Gaussian channels under Gaussian inputs. Physical Review A, 2005, 71, .	1.0	54
86	Limits to catalysis in quantum thermodynamics. New Journal of Physics, 2015, 17, 085004.	1.2	54
87	Combining Topological Hardware and Topological Software: Color-Code Quantum Computing with Topological Superconductor Networks. Physical Review X, 2017, 7, .	2.8	54
88	Architectures for Quantum Simulation Showing a Quantum Speedup. Physical Review X, 2018, 8, .	2.8	54
89	Potential and limits to cluster-state quantum computing using probabilistic gates. Physical Review A, 2006, 74, .	1.0	53
90	Thermal machines beyond the weak coupling regime. New Journal of Physics, 2014, 16, 125009.	1.2	53

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91	Holographic Quantum States. <i>Physical Review Letters</i> , 2010, 105, 260401.	2.9	52
92	Efficient and feasible state tomography of quantum many-body systems. <i>New Journal of Physics</i> , 2013, 15, 015024.	1.2	52
93	Entanglement transformations of pure Gaussian states. <i>Quantum Information and Computation</i> , 2003, 3, 211-233.	0.1	51
94	Inhomogeneous Atomic Bose-Fermi Mixtures in Cubic Lattices. <i>Physical Review Letters</i> , 2004, 93, 190405.	2.9	50
95	Optical generation of matter qubit graph states. <i>New Journal of Physics</i> , 2005, 7, 194-194.	1.2	50
96	Tensor Network Annealing Algorithm for Two-Dimensional Thermal States. <i>Physical Review Letters</i> , 2019, 122, 070502.	2.9	50
97	Quantum computational advantage via high-dimensional Gaussian boson sampling. <i>Science Advances</i> , 2022, 8, eabi7894.	4.7	50
98	Linear growth of quantum circuit complexity. <i>Nature Physics</i> , 2022, 18, 528-532.	6.5	50
99	Classical Information and Distillable Entanglement. <i>Physical Review Letters</i> , 2000, 84, 1611-1614.	2.9	49
100	Direct certification of a class of quantum simulations. <i>Quantum Science and Technology</i> , 2017, 2, 015004.	2.6	49
101	Gaussian Quantum Channels. , 2007, , 23-42.		48
102	Subsystem symmetries, quantum cellular automata, and computational phases of quantum matter. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 3, 142.	0.0	48
103	Precisely Timing Dissipative Quantum Information Processing. <i>Physical Review Letters</i> , 2013, 110, 110501.	2.9	47
104	Fermionic Orbital Optimization in Tensor Network States. <i>Physical Review Letters</i> , 2016, 117, 210402.	2.9	47
105	Experimental Implementation of the Optimal Linear-Optical Controlled Phase Gate. <i>Physical Review Letters</i> , 2011, 106, 013602.	2.9	46
106	Easing the Monte Carlo sign problem. <i>Science Advances</i> , 2020, 6, eabb8341.	4.7	45
107	Entanglement negativity bounds for fermionic Gaussian states. <i>Physical Review B</i> , 2018, 97, .	1.1	43
108	Equilibration via Gaussification in Fermionic Lattice Systems. <i>Physical Review Letters</i> , 2016, 117, 190602.	2.9	42

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109	A variational toolbox for quantum multi-parameter estimation. Npj Quantum Information, 2021, 7, .	2.8	42
110	Optimizing Linear Optics Quantum Gates. Physical Review Letters, 2005, 95, 040502.	2.9	41
111	Information propagation through quantum chains with fluctuating disorder. Physical Review A, 2009, 80, .	1.0	41
112	Matrix-Product Operators and States: NP-Hardness and Undecidability. Physical Review Letters, 2014, 113, 160503.	2.9	40
113	Unifying Variational Methods for Simulating Quantum Many-Body Systems. Physical Review Letters, 2008, 100, 130501.	2.9	39
114	Supersonic Quantum Communication. Physical Review Letters, 2009, 102, 240501.	2.9	39
115	Extracting Dynamical Equations from Experimental Data is NP Hard. Physical Review Letters, 2012, 108, 120503.	2.9	39
116	Rapid mixing implies exponential decay of correlations. Journal of Mathematical Physics, 2013, 54, .	0.5	39
117	Second law of thermodynamics under control restrictions. Physical Review E, 2016, 93, 042126.	0.8	39
118	Von Neumann Entropy from Unitarity. Physical Review Letters, 2019, 122, 210402.	2.9	39
119	Quantum computational webs. Physical Review A, 2010, 82, .	1.0	38
120	Recursive quantum detector tomography. New Journal of Physics, 2012, 14, 115005.	1.2	38
121	Multimodal urgency coding: auditory, visual, and tactile parameters and their impact on perceived urgency. Work, 2012, 41, 3586-3591.	0.6	38
122	Cellular-automaton decoders for topological quantum memories. Npj Quantum Information, 2015, 1, .	2.8	38
123	The boundaries and twist defects of the color code and their applications to topological quantum computation. Quantum - the Open Journal for Quantum Science, 0, 2, 101.	0.0	38
124	Recovering Quantum Gates from Few Average Gate Fidelities. Physical Review Letters, 2018, 121, 170502.	2.9	37
125	Hot entanglement in a simple dynamical model. Journal of Modern Optics, 2003, 50, 881-889.	0.6	36
126	Do Mixtures of Bosonic and Fermionic Atoms Adiabatically Heat Up in Optical Lattices?. Physical Review Letters, 2008, 100, 140409.	2.9	36

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127	Information propagation for interacting-particle systems. <i>Physical Review A</i> , 2011, 84, .	1.0	36
128	Classical information capacity of a class of quantum channels. <i>New Journal of Physics</i> , 2005, 7, 93-93.	1.2	35
129	Entanglement-Ergodic Quantum Systems Equilibrate Exponentially Well. <i>Physical Review Letters</i> , 2019, 123, 200604.	2.9	35
130	Time evolution of many-body localized systems in two spatial dimensions. <i>Physical Review B</i> , 2020, 102, .	1.1	35
131	Conditions for the Local Manipulation of Gaussian States. <i>Physical Review Letters</i> , 2002, 89, 097901.	2.9	34
132	Experimental Unconditional Preparation and Detection of a Continuous Bound Entangled State of Light. <i>Physical Review Letters</i> , 2011, 107, 240503.	2.9	34
133	On the Quantum versus Classical Learnability of Discrete Distributions. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 417.	0.0	34
134	Catalysis of Entanglement Manipulation for Mixed States. <i>Physical Review Letters</i> , 2000, 85, 437-440.	2.9	33
135	Work and entropy production in generalised Gibbs ensembles. <i>New Journal of Physics</i> , 2016, 18, 123035.	1.2	33
136	Eisert, Wilkens, and Lewenstein Reply:. <i>Physical Review Letters</i> , 2001, 87, .	2.9	32
137	General linear-optical quantum state generation scheme: Applications to maximally path-entangled states. <i>Physical Review A</i> , 2007, 76, .	1.0	32
138	Gaussian Quantum Marginal Problem. <i>Communications in Mathematical Physics</i> , 2008, 280, 263-280.	1.0	32
139	Holographic tensor network models and quantum error correction: a topical review. <i>Quantum Science and Technology</i> , 2021, 6, 033002.	2.6	32
140	Remarks on entanglement measures and non-local state distinguishability. <i>Journal of Physics A</i> , 2003, 36, 5605-5615.	1.6	31
141	A proposed testbed for detector tomography. <i>Journal of Modern Optics</i> , 2009, 56, 432-441.	0.6	31
142	Area laws and efficient descriptions of quantum many-body states. <i>New Journal of Physics</i> , 2016, 18, 083026.	1.2	31
143	Experimentally exploring compressed sensing quantum tomography. <i>Quantum Science and Technology</i> , 2017, 2, 025005.	2.6	31
144	Multidimensional Approximation of Nonlinear Dynamical Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	0.7	31

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145	Anticoncentration theorems for schemes showing a quantum speedup. Quantum - the Open Journal for Quantum Science, 0, 2, 65.	0.0	31
146	Concentration of Measure for Quantum States with a Fixed Expectation Value. Communications in Mathematical Physics, 2011, 303, 785-824.	1.0	30
147	Continuity bounds on the quantum relative entropy $\hat{\epsilon}^{\epsilon}$ II. Journal of Mathematical Physics, 2011, 52, .	0.5	30
148	Efficient measurement-based quantum computing with continuous-variable systems. Physical Review A, 2012, 85, .	1.0	30
149	The Complexity of Relating Quantum Channels to Master Equations. Communications in Mathematical Physics, 2012, 310, 383-418.	1.0	30
150	Construction of exact constants of motion and effective models for many-body localized systems. Physical Review B, 2018, 97, .	1.1	30
151	Exploration of the stability of many-body localized systems in the presence of a small bath. Physical Review B, 2019, 99, .	1.1	30
152	Reinforcement learning decoders for fault-tolerant quantum computation. Machine Learning: Science and Technology, 2021, 2, 025005.	2.4	30
153	Encoding-dependent generalization bounds for parametrized quantum circuits. Quantum - the Open Journal for Quantum Science, 0, 5, 582.	0.0	30
154	Quantum measurement occurrence is undecidable. Physical Review Letters, 2012, 108, 260501.	2.9	29
155	Axiomatic Characterization of the Quantum Relative Entropy and Free Energy. Entropy, 2017, 19, 241.	1.1	29
156	Quantum Field Thermal Machines. PRX Quantum, 2021, 2, .	3.5	29
157	Exact Decoherence to Pointer States in Free Open Quantum Systems is Universal. Physical Review Letters, 2004, 92, 210401.	2.9	28
158	Mixing Properties of Stochastic Quantum Hamiltonians. Communications in Mathematical Physics, 2017, 355, 905-947.	1.0	28
159	Fidelity Witnesses for Fermionic Quantum Simulations. Physical Review Letters, 2018, 120, 190501.	2.9	28
160	Contracting projected entangled pair states is average-case hard. Physical Review Research, 2020, 2, .	1.3	28
161	Computational Difficulty of Global Variations in the Density Matrix Renormalization Group. Physical Review Letters, 2006, 97, 260501.	2.9	27
162	On photonic controlled phase gates. New Journal of Physics, 2010, 12, 013003.	1.2	26

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163	Randomized Benchmarking for Individual Quantum Gates. <i>Physical Review Letters</i> , 2019, 123, 060501.	2.9	26
164	Holography and criticality in matchgate tensor networks. <i>Science Advances</i> , 2019, 5, eaaw0092.	4.7	26
165	Decay and recurrence of non-Gaussian correlations in a quantum many-body system. <i>Nature Physics</i> , 2021, 17, 559-563.	6.5	26
166	A comparison of entanglement measures. <i>Journal of Modern Optics</i> , 1999, 46, 145-154.	0.6	26
167	General Framework for Randomized Benchmarking. <i>PRX Quantum</i> , 2022, 3, .	3.5	26
168	Optimal unitary dilation for bosonic Gaussian channels. <i>Physical Review A</i> , 2011, 84, .	1.0	24
169	Floquet Engineering Topological Many-Body Localized Systems. <i>Physical Review Letters</i> , 2020, 124, 190601.	2.9	24
170	Quantum games. , 0, .		24
171	Drude weight fluctuations in many-body localized systems. <i>Physical Review B</i> , 2016, 94, .	1.1	23
172	Sample Complexity of Device-Independently Certified "Quantum Supremacy" <i>Physical Review Letters</i> , 2019, 122, 210502.	2.9	23
173	Lieb-Robinson Bounds and the Simulation of Time-Evolution of Local Observables in Lattice Systems. <i>Letters in Mathematical Physics</i> , 2014, , 301-318.	0.4	23
174	Equilibration towards generalized Gibbs ensembles in non-interacting theories. <i>SciPost Physics</i> , 2019, 7, .	1.5	23
175	Resilience of multiphoton entanglement under losses. <i>Physical Review A</i> , 2004, 70, .	1.0	22
176	Minimal resources for linear optical one-way computing. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 184.	0.9	22
177	Real-Space Renormalization Yields Finite Correlations. <i>Physical Review Letters</i> , 2010, 105, 010502.	2.9	22
178	Solving Frustration-Free Spin Systems. <i>Physical Review Letters</i> , 2010, 105, 060504.	2.9	22
179	Cellular automaton decoders of topological quantum memories in the fault tolerant setting. <i>New Journal of Physics</i> , 2017, 19, 063012.	1.2	22
180	Quantum thermodynamics with local control. <i>Physical Review E</i> , 2018, 97, 022142.	0.8	22

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181	Entanglement Combing. Physical Review Letters, 2009, 103, 220501.	2.9	21
182	Wick's Theorem for Matrix Product States. Physical Review Letters, 2013, 110, 040401.	2.9	21
183	Stationary optomechanical entanglement between a mechanical oscillator and its measurement apparatus. Physical Review Research, 2020, 2, .	1.3	21
184	Towards experimental quantum-field tomography with ultracold atoms. Nature Communications, 2015, 6, 7663.	5.8	20
185	Mutual information area laws for thermal free fermions. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P02008.	0.9	19
186	PLENARY DEBATE: QUANTUM EFFECTS IN BIOLOGY: TRIVIAL OR NOT?. Fluctuation and Noise Letters, 2008, 08, C5-C26.	1.0	18
187	Entanglement of nanoelectromechanical oscillators by Cooper-pair tunneling. Physical Review B, 2013, 88, .	1.1	18
188	Tensor network investigation of the double layer Kagome compound Ca ₁₀ Cr ₇ O ₂₈ . Annals of Physics, 2020, 421, 168292.	1.0	18
189	Majorana dimers and holographic quantum error-correcting codes. Physical Review Research, 2019, 1, .	1.3	18
190	Cluster state preparation using gates operating at arbitrary success probabilities. New Journal of Physics, 2007, 9, 200-200.	1.2	17
191	Ground states of unfrustrated spin Hamiltonians satisfy an area law. New Journal of Physics, 2010, 12, 095007.	1.2	17
192	Local constants of motion imply information propagation. New Journal of Physics, 2015, 17, 113054.	1.2	17
193	Towards Holography via Quantum Source-Channel Codes. Physical Review Letters, 2017, 119, 020501.	2.9	17
194	Guaranteed recovery of quantum processes from few measurements. Quantum - the Open Journal for Quantum Science, 0, 3, 171.	0.0	17
195	Gaussification and Entanglement Distillation of Continuous-Variable Systems: A Unifying Picture. Physical Review Letters, 2012, 108, 020501.	2.9	16
196	Continuous-variable entanglement distillation and noncommutative central limit theorems. Physical Review A, 2013, 87, .	1.0	16
197	Fermionic topological quantum states as tensor networks. Physical Review B, 2017, 95, .	1.1	16
198	Catalytic Quantum Randomness. Physical Review X, 2018, 8, .	2.8	16

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199	Simulating quantum repeater strategies for multiple satellites. <i>Communications Physics</i> , 2022, 5, .	2.0	16
200	Entangled Inputs Cannot Make Imperfect Quantum Channels Perfect. <i>Physical Review Letters</i> , 2011, 106, 230502.	2.9	15
201	Simulating topological tensor networks with Majorana qubits. <i>Physical Review B</i> , 2019, 99, .	1.1	15
202	Stark time crystals: Symmetry breaking in space and time. <i>Physical Review B</i> , 2020, 102, .	1.1	15
203	Entangling Power and Quantum Circuit Complexity. <i>Physical Review Letters</i> , 2021, 127, 020501.	2.9	15
204	Entangled families. <i>Nature</i> , 2008, 455, 180-181.	13.7	14
205	Renormalization algorithm with graph enhancement. <i>Physical Review A</i> , 2009, 79, .	1.0	14
206	Entanglement quantification from incomplete measurements: applications using photon-number-resolving weak homodyne detectors. <i>New Journal of Physics</i> , 2010, 12, 033042.	1.2	14
207	Search for localized Wannier functions of topological band structures via compressed sensing. <i>Physical Review B</i> , 2014, 90, .	1.1	14
208	Emergence of spontaneous symmetry breaking in dissipative lattice systems. <i>Journal of Mathematical Physics</i> , 2017, 58, .	0.5	14
209	Quantum work statistics and resource theories: Bridging the gap through Rényi divergences. <i>Physical Review E</i> , 2019, 99, 050101.	0.8	14
210	Dynamical structure factors of dynamical quantum simulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26123-26134.	3.3	14
211	Closing Gaps of a Quantum Advantage with Short-Time Hamiltonian Dynamics. <i>Physical Review Letters</i> , 2020, 125, 250501.	2.9	14
212	Improving Compressed Sensing With the Diamond Norm. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 7445-7463.	1.5	13
213	Diagnosing Topological Edge States via Entanglement Monogamy. <i>Physical Review Letters</i> , 2016, 116, 130501.	2.9	13
214	Lieb-Robinson bounds for open quantum systems with long-ranged interactions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 424003.	0.7	13
215	Quantum time crystals with programmable disorder in higher dimensions. <i>Physical Review B</i> , 2021, 103, .	1.1	13
216	Quantum margulis expanders. <i>Quantum Information and Computation</i> , 2008, 8, 722-733.	0.1	13

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217	Quantum field tomography. <i>New Journal of Physics</i> , 2014, 16, 123010.	1.2	12
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