

Christian Gogolin

List of Publications by Year in descending order

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33
papers

3,242
citations

331670

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414414

32
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33
all docs

33
docs citations

33
times ranked

2638
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating quantum chemistry in the seniority-zero space on qubit-based quantum computers. Physical Review A, 2021, 103, .	2.5	23
2	Constructions of k -uniform and absolutely maximally entangled states beyond maximum distance codes. Physical Review Research, 2020, 2, .	3.6	14
3	Verifying the output of quantum optimizers with ground-state energy lower bounds. Physical Review Research, 2020, 2, .	3.6	3
4	Sample Complexity of Device-Independently Certified "Quantum Supremacy". Physical Review Letters, 2019, 122, 210502.	7.8	23
5	Automated discovery of characteristic features of phase transitions in many-body localization. Physical Review B, 2019, 99, .	3.2	30
6	Evaluating analytic gradients on quantum hardware. Physical Review A, 2019, 99, .	2.5	447
7	Eigenstate Thermalization for Degenerate Observables. Physical Review Letters, 2018, 120, 150603.	7.8	25
8	Optimal quantum error correcting codes from absolutely maximally entangled states. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 075301.	2.1	27
9	What it takes to avoid equilibration. Physical Review A, 2018, 98, .	2.5	8
10	Quantum Enhanced Inference in Markov Logic Networks. Scientific Reports, 2017, 7, 45672.	3.3	25
11	Total correlations of the diagonal ensemble as a generic indicator for ergodicity breaking in quantum systems. Physical Review B, 2017, 95, .	3.2	8
12	Correlation Decay in Fermionic Lattice Systems with Power-Law Interactions at Nonzero Temperature. Physical Review Letters, 2017, 119, 110601.	7.8	15
13	Random Bosonic States for Robust Quantum Metrology. Physical Review X, 2016, 6, .	8.9	62
14	Quantum annealing for the number-partitioning problem using a tunable spin glass of ions. Nature Communications, 2016, 7, 11524.	12.8	30
15	Equilibration, thermalisation, and the emergence of statistical mechanics in closed quantum systems. Reports on Progress in Physics, 2016, 79, 056001.	20.1	633
16	Equilibration via Gaussification in Fermionic Lattice Systems. Physical Review Letters, 2016, 117, 190602.	7.8	42
17	Total correlations of the diagonal ensemble herald the many-body localization transition. Physical Review B, 2015, 92, .	3.2	64
18	Reliable quantum certification of photonic state preparations. Nature Communications, 2015, 6, 8498.	12.8	71

#	ARTICLE	IF	CITATIONS
19	Quantum many-body systems out of equilibrium. <i>Nature Physics</i> , 2015, 11, 124-130.	16.7	880
20	Pushing the Limits of the Eigenstate Thermalization Hypothesis towards Mesoscopic Quantum Systems. <i>Physical Review Letters</i> , 2014, 112, 130403.	7.8	123
21	Locality of Temperature. <i>Physical Review X</i> , 2014, 4, .	8.9	107
22	Lieb-Robinson Bounds and the Simulation of Time-Evolution of Local Observables in Lattice Systems. <i>Letters in Mathematical Physics</i> , 2014, , 301-318.	0.6	23
23	Thermalization in Nature and on a Quantum Computer. <i>Physical Review Letters</i> , 2012, 108, 080402.	7.8	136
24	Quantum measurement occurrence is undecidable. <i>Physical Review Letters</i> , 2012, 108, 260501.	7.8	29
25	Absence of Thermalization in Nonintegrable Systems. <i>Physical Review Letters</i> , 2011, 106, 040401.	7.8	188
26	Non-equilibrium Dynamics, Thermalization and Entropy Production. <i>Journal of Physics: Conference Series</i> , 2011, 297, 012011.	0.4	12
27	Limits on nonlocal correlations from the structure of the local state space. <i>New Journal of Physics</i> , 2011, 13, 063024.	2.9	58
28	Dissipative Quantum Church-Turing Theorem. <i>Physical Review Letters</i> , 2011, 107, 120501.	7.8	90
29	Inference-proof view update transactions with forwarded refreshments. <i>Journal of Computer Security</i> , 2011, 19, 487-529.	0.8	15
30	Environment-induced super selection without pointer states. <i>Physical Review E</i> , 2010, 81, 051127.	2.1	20
31	Dynamic wetting with two competing adsorbates. <i>Physical Review E</i> , 2009, 79, 041111.	2.1	4
32	Requirements and Protocols for Inference-Proof Interactions in Information Systems. <i>Lecture Notes in Computer Science</i> , 2009, , 285-302.	1.3	7
33	Peer-review at Quantum - analyzing the data. , 0, 2, 5.		0