

Nicole Yunger Halpern

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,027
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	How to build Hamiltonians that transport noncommuting charges in quantum thermodynamics. Npj Quantum Information, 2022, 8, .	6.7	10
2	Linear growth of quantum circuit complexity. Nature Physics, 2022, 18, 528-532.	16.7	50
3	Negative Quasiprobabilities Enhance Phase Estimation in Quantum-Optics Experiment. Physical Review Letters, 2022, 128, .	7.8	19
4	Nonlinear Bell inequality for macroscopic measurements. Physical Review A, 2021, 103, .	2.5	4
5	Weak Measurement of a Superconducting Qubit Reconciles Incompatible Operators. Physical Review Letters, 2021, 126, 100403.	7.8	18
6	Machine learning outperforms thermodynamics in measuring how well a many-body system learns a drive. Scientific Reports, 2021, 11, 9333.	3.3	8
7	Conditions tighter than noncommutation needed for nonclassicality. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 284001.	2.1	19
8	Entangled quantum cellular automata, physical complexity, and Goldilocks rules. Quantum Science and Technology, 2021, 6, 045017.	5.8	22
9	Quantum advantage in postselected metrology. Nature Communications, 2020, 11, 3775.	12.8	59
10	Fundamental limitations on photoisomerization from thermodynamic resource theories. Physical Review A, 2020, 101, .	2.5	16
11	Noncommuting conserved charges in quantum many-body thermalization. Physical Review E, 2020, 101, 042117.	2.1	23
12	Entropic uncertainty relations for quantum information scrambling. Communications Physics, 2019, 2, .	5.3	20
13	Quantum information in the Posner model of quantum cognition. Annals of Physics, 2019, 407, 92-147.	2.8	15
14	Beyond heat baths II: framework for generalized thermodynamic resource theories. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 094001.	2.1	28
15	Resilience of scrambling measurements. Physical Review A, 2018, 97, .	2.5	40
16	Jarzynski-like equality for the out-of-time-ordered correlator. Physical Review A, 2017, 95, .	2.5	88
17	Entropic equality for worst-case work at any protocol speed. New Journal of Physics, 2017, 19, 043013.	2.9	12
18	Quantum voting and violation of Arrow's impossibility theorem. Physical Review A, 2017, 95, .	2.5	23

#	ARTICLE	IF	CITATIONS
19	Microcanonical and resource-theoretic derivations of the thermal state of a quantum system with noncommuting charges. <i>Nature Communications</i> , 2016, 7, 12051.	12.8	87
20	Beyond heat baths: Generalized resource theories for small-scale thermodynamics. <i>Physical Review E</i> , 2016, 93, 022126.	2.1	57
21	Number of trials required to estimate a free-energy difference, using fluctuation relations. <i>Physical Review E</i> , 2016, 93, 052144.	2.1	26
22	Introducing one-shot work into fluctuation relations. <i>New Journal of Physics</i> , 2015, 17, 095003.	2.9	48
23	The resource theory of informational nonequilibrium in thermodynamics. <i>Physics Reports</i> , 2015, 583, 1-58.	25.6	269
24	Parity Anomaly and Landau-Level Lasing in Strained Photonic Honeycomb Lattices. <i>Physical Review Letters</i> , 2013, 110, 013903.	7.8	62