

Norbert Linke

List of Publications by Year in descending order

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32
papers

2,787
citations

361413

20
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

2687
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed quantum repeaters based on dual-species trapped-ion systems. <i>Physical Review A</i> , 2022, 105, .	2.5	13
2	Experimental Measurement of Out-of-Time-Ordered Correlators at Finite Temperature. <i>Physical Review Letters</i> , 2022, 128, 140601.	7.8	18
3	Digital Quantum Simulation of the Schwinger Model and Symmetry Protection with Trapped Ions. <i>PRX Quantum</i> , 2022, 3, .	9.2	35
4	Probing many-body localization on a noisy quantum computer. <i>Physical Review A</i> , 2021, 103, .	2.5	17
5	Efficient Stabilized Two-Qubit Gates on a Trapped-Ion Quantum Computer. <i>Physical Review Letters</i> , 2021, 126, 220503.	7.8	20
6	Demonstration of Shor Encoding on a Trapped-Ion Quantum Computer. <i>Physical Review Applied</i> , 2021, 16, .	3.8	8
7	Many-body thermodynamics on quantum computers via partition function zeros. <i>Science Advances</i> , 2021, 7, .	10.3	22
8	Real-time quantum calculations of phase shifts using wave packet time delays. <i>Physical Review D</i> , 2021, 104, .	4.7	15
9	Toward simulating quantum field theories with controlled phonon-ion dynamics: A hybrid analog-digital approach. <i>Physical Review Research</i> , 2021, 3, .	3.6	42
10	Quantum circuits for the realization of equivalent forms of one-dimensional discrete-time quantum walks on near-term quantum hardware. <i>Physical Review A</i> , 2021, 104, .	2.5	5
11	Generation of thermofield double states and critical ground states with a quantum computer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25402-25406.	7.1	66
12	Quantum walks and Dirac cellular automata on a programmable trapped-ion quantum computer. <i>Nature Communications</i> , 2020, 11, 3720.	12.8	28
13	Parallel entangling operations on a universal ion-trap quantum computer. <i>Nature</i> , 2019, 572, 368-372.	27.8	115
14	Training of quantum circuits on a hybrid quantum computer. <i>Science Advances</i> , 2019, 5, eaaw9918.	10.3	134
15	Two-qubit entangling gates within arbitrarily long chains of trapped ions. <i>Physical Review A</i> , 2019, 100, .	2.5	59
16	Validating and certifying stabilizer states. <i>Physical Review A</i> , 2019, 99, .	2.5	8
17	Verified quantum information scrambling. <i>Nature</i> , 2019, 567, 61-65.	27.8	219
18	Toward convergence of effective-field-theory simulations on digital quantum computers. <i>Physical Review A</i> , 2019, 100, .	2.5	28

#	ARTICLE	IF	CITATIONS
19	Observation of Hopping and Blockade of Bosons in a Trapped Ion Spin Chain. <i>Physical Review Letters</i> , 2018, 120, 073001.	7.8	35
20	Robust 2-Qubit Gates in a Linear Ion Crystal Using a Frequency-Modulated Driving Force. <i>Physical Review Letters</i> , 2018, 120, 020501.	7.8	86
21	Measuring the Rényi entropy of a two-site Fermi-Hubbard model on a trapped ion quantum computer. <i>Physical Review A</i> , 2018, 98, .	2.5	77
22	Demonstration of a Bayesian quantum game on an ion-trap quantum computer. <i>Quantum Science and Technology</i> , 2018, 3, 045002.	5.8	6
23	Machine learning assisted readout of trapped-ion qubits. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 174006.	1.5	38
24	Experimental comparison of two quantum computing architectures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3305-3310.	7.1	326
25	Fault-tolerant quantum error detection. <i>Science Advances</i> , 2017, 3, e1701074.	10.3	113
26	Comparing the architectures of the first programmable quantum computers. , 2017, , .		1
27	Complete 3-Qubit Grover search on a programmable quantum computer. <i>Nature Communications</i> , 2017, 8, 1918.	12.8	153
28	Demonstration of a small programmable quantum computer with atomic qubits. <i>Nature</i> , 2016, 536, 63-66.	27.8	549
29	Hybrid quantum logic and a test of Bell's inequality using two different atomic isotopes. <i>Nature</i> , 2015, 528, 384-386.	27.8	81
30	High-Fidelity Preparation, Gates, Memory, and Readout of a Trapped-Ion Quantum Bit. <i>Physical Review Letters</i> , 2014, 113, 220501.	7.8	426
31	Heating rate and electrode charging measurements in a scalable, microfabricated, surface-electrode ion trap. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 913-919.	2.2	40
32	Bounds on the recurrence probability in periodically-driven quantum systems. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 682.	0.0	0