

Kevin A Landsman

List of Publications by Year in descending order

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19
papers

2,021
citations

567281

15
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

2258
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a small programmable quantum computer with atomic qubits. <i>Nature</i> , 2016, 536, 63-66.	27.8	549
2	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
3	Verified quantum information scrambling. <i>Nature</i> , 2019, 567, 61-65.	27.8	219
4	Complete 3-Qubit Grover search on a programmable quantum computer. <i>Nature Communications</i> , 2017, 8, 1918.	12.8	153
5	Training of quantum circuits on a hybrid quantum computer. <i>Science Advances</i> , 2019, 5, eaaw9918.	10.3	134
6	Parallel entangling operations on a universal ion-trap quantum computer. <i>Nature</i> , 2019, 572, 368-372.	27.8	115
7	Fault-tolerant quantum error detection. <i>Science Advances</i> , 2017, 3, e1701074.	10.3	113
8	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
9	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
10	Two-qubit entangling gates within arbitrarily long chains of trapped ions. <i>Physical Review A</i> , 2019, 100, .	2.5	59
11	Active stabilization of ion trap radiofrequency potentials. <i>Review of Scientific Instruments</i> , 2016, 87, 053110.	1.3	52
12	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
13	Observation of Hopping and Blockade of Bosons in a Trapped Ion Spin Chain. <i>Physical Review Letters</i> , 2018, 120, 073001.	7.8	35
14	Toward convergence of effective-field-theory simulations on digital quantum computers. <i>Physical Review A</i> , 2019, 100, .	2.5	28
15	Probing many-body localization on a noisy quantum computer. <i>Physical Review A</i> , 2021, 103, .	2.5	17
16	Efficient-sideband-cooling protocol for long trapped-ion chains. <i>Physical Review A</i> , 2020, 102, .	2.5	13
17	Demonstration of a Bayesian quantum game on an ion-trap quantum computer. <i>Quantum Science and Technology</i> , 2018, 3, 045002.	5.8	6
18	Comparing the architectures of the first programmable quantum computers. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Quantum Computing and Simulation with Trapped Atomic Ions. , 2019, , .		0