Kevin A Landsman

List of Publications by Year
in descending order

19	2,021	567281 15	888059 17
papers	citations	h-index	g-index

19	19	19	2258
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probing many-body localization on a noisy quantum computer. Physical Review A, 2021, 103, .	2.5	17
2	Efficient-sideband-cooling protocol for long trapped-ion chains. Physical Review A, 2020, 102, .	2.5	13
3	Parallel entangling operations on a universal ion-trap quantum computer. Nature, 2019, 572, 368-372.	27.8	115
4	Training of quantum circuits on a hybrid quantum computer. Science Advances, 2019, 5, eaaw9918.	10.3	134
5	Two-qubit entangling gates within arbitrarily long chains of trapped ions. Physical Review A, 2019, 100, .	2.5	59
6	Verified quantum information scrambling. Nature, 2019, 567, 61-65.	27.8	219
7	Toward convergence of effective-field-theory simulations on digital quantum computers. Physical Review A, 2019, 100, .	2.5	28
8	Quantum Computing and Simulation with Trapped Atomic Ions. , 2019, , .		0
9	Observation of Hopping and Blockade of Bosons in a Trapped Ion Spin Chain. Physical Review Letters, 2018, 120, 073001.	7.8	35
10	Robust 2-Qubit Gates in a Linear Ion Crystal Using a Frequency-Modulated Driving Force. Physical Review Letters, 2018, 120, 020501.	7.8	86
11	Measuring the RÃ©nyi entropy of a two-site Fermi-Hubbard model on a trapped ion quantum computer. Physical Review A, 2018, 98, .	2.5	77
12	Demonstration of a Bayesian quantum game on an ion-trap quantum computer. Quantum Science and Technology, 2018, 3, 045002.	5.8	6
13	Machine learning assisted readout of trapped-ion qubits. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 174006.	1.5	38
14	Experimental comparison of two quantum computing architectures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3305-3310.	7.1	326
15	Fault-tolerant quantum error detection. Science Advances, 2017, 3, e1701074.	10.3	113
16	Comparing the architectures of the first programmable quantum computers. , 2017, , .		1
17	Complete 3-Qubit Grover search on a programmable quantum computer. Nature Communications, 2017, 8, 1918.	12.8	153
18	Active stabilization of ion trap radiofrequency potentials. Review of Scientific Instruments, 2016, 87, 053110.	1.3	52

#	Article	IF	Citations
19	Demonstration of a small programmable quantum computer with atomic qubits. Nature, 2016, 536, 63-66.	27.8	549