

Shantanu Debnath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9412200/publications.pdf>

Version: 2024-02-01

16
papers

1,864
citations

687363

13
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a small programmable quantum computer with atomic qubits. Nature, 2016, 536, 63-66.	27.8	549
2	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
3	Modular entanglement of atomic qubits using photons and phonons. Nature Physics, 2015, 11, 37-42.	16.7	225
4	Ground-state energy estimation of the water molecule on a trapped-ion quantum computer. Npj Quantum Information, 2020, 6, .	6.7	184
5	Optimal Quantum Control of Multimode Couplings between Trapped Ion Qubits for Scalable Entanglement. Physical Review Letters, 2014, 112, 190502.	7.8	122
6	Fault-tolerant quantum error detection. Science Advances, 2017, 3, e1701074.	10.3	113
7	Tripartite Entanglement versus Tripartite Nonlocality in Three-Qubit Greenberger-Horne-Zeilinger-Class States. Physical Review Letters, 2009, 102, 250404.	7.8	83
8	Coherent Error Suppression in Multiqubit Entangling Gates. Physical Review Letters, 2012, 109, 020503.	7.8	74
9	Efficient arbitrary simultaneously entangling gates on a trapped-ion quantum computer. Nature Communications, 2020, 11, 2963.	12.8	53
10	Nearest centroid classification on a trapped ion quantum computer. Npj Quantum Information, 2021, 7, .	6.7	44
11	Observation of Hopping and Blockade of Bosons in a Trapped Ion Spin Chain. Physical Review Letters, 2018, 120, 073001.	7.8	35
12	Beat note stabilization of mode-locked lasers for quantum information processing. Optics Letters, 2014, 39, 3238.	3.3	26
13	An analytical approach for predicting fin performance of triangular fins subject to simultaneous heat and mass transfer. International Journal of Refrigeration, 2008, 31, 1113-1120.	3.4	18
14	Multiqubit nonlocality in families of 3- and 4-qubit entangled states. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 445301.	2.1	9
15	Quantum Networks with Atoms and Photons. Journal of Physics: Conference Series, 2013, 467, 012008.	0.4	2
16	Comparing the architectures of the first programmable quantum computers. , 2017, , .		1