

Jonas Helsen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1061625/publications.pdf>

Version: 2024-02-01

10
papers

335
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	A crossbar network for silicon quantum dot qubits. <i>Science Advances</i> , 2018, 4, eaar3960.	10.3	181
2	A new class of efficient randomized benchmarking protocols. <i>Npj Quantum Information</i> , 2019, 5, .	6.7	47
3	General Framework for Randomized Benchmarking. <i>PRX Quantum</i> , 2022, 3, .	9.2	26
4	Multiqubit randomized benchmarking using few samples. <i>Physical Review A</i> , 2019, 100, .	2.5	21
5	Efficient unitarity randomized benchmarking of few-qubit Clifford gates. <i>Physical Review A</i> , 2019, 99, .	2.5	14
6	Spectral quantum tomography. <i>Npj Quantum Information</i> , 2019, 5, .	6.7	13
7	Representations of the multi-qubit Clifford group. <i>Journal of Mathematical Physics</i> , 2018, 59, 072201.	1.1	11
8	Quantum error correction in crossbar architectures. <i>Quantum Science and Technology</i> , 2018, 3, 035005.	5.8	10
9	Matchgate benchmarking: Scalable benchmarking of a continuous family of many-qubit gates. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 6, 657.	0.0	10
10	Counting single-qubit Clifford equivalent graph states is #P-complete. <i>Journal of Mathematical Physics</i> , 2020, 61, .	1.1	2