

Ian D Kivlichan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8483016/publications.pdf>

Version: 2024-02-01

8
papers

1,521
citations

1307594

7
h-index

1720034

7
g-index

8
all docs

8
docs citations

8
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Chemistry in the Age of Quantum Computing. <i>Chemical Reviews</i> , 2019, 119, 10856-10915.	47.7	748
2	Quantum Simulation of Electronic Structure with Linear Depth and Connectivity. <i>Physical Review Letters</i> , 2018, 120, 110501.	7.8	243
3	OpenFermion: the electronic structure package for quantum computers. <i>Quantum Science and Technology</i> , 2020, 5, 034014.	5.8	214
4	Exponentially more precise quantum simulation of fermions in second quantization. <i>New Journal of Physics</i> , 2016, 18, 033032.	2.9	100
5	Improved Fault-Tolerant Quantum Simulation of Condensed-Phase Correlated Electrons via Trotterization. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 4, 296.	0.0	85
6	Exponentially more precise quantum simulation of fermions in the configuration interaction representation. <i>Quantum Science and Technology</i> , 2018, 3, 015006.	5.8	53
7	Bounding the costs of quantum simulation of many-body physics in real space. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 305301.	2.1	47
8	qTorch: The quantum tensor contraction handler. <i>PLoS ONE</i> , 2018, 13, e0208510.	2.5	31