

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