

# Yudong Cao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12090413/publications.pdf>

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11  
papers

1,056  
citations

1040056

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1101  
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#	ARTICLE	IF	CITATIONS
1	Quantum Chemistry in the Age of Quantum Computing. <i>Chemical Reviews</i> , 2019, 119, 10856-10915.	47.7	748
2	Experimental realization of quantum algorithm for solving linear systems of equations. <i>Physical Review A</i> , 2014, 89, .	2.5	82
3	Variational Quantum Factoring. <i>Lecture Notes in Computer Science</i> , 2019, , 74-85.	1.3	52
4	Infrared-dressed entanglement of cold open-shell polar molecules for universal matchgate quantum computing. <i>New Journal of Physics</i> , 2014, 16, 075001.	2.9	44
5	Quantum circuit design for solving linear systems of equations. <i>Molecular Physics</i> , 2012, 110, 1675-1680.	1.7	38
6	qTorch: The quantum tensor contraction handler. <i>PLoS ONE</i> , 2018, 13, e0208510.	2.5	31
7	Quantum Computation using Arrays of $N$ Polar Molecules in Pendular States. <i>ChemPhysChem</i> , 2016, 17, 3714-3722.	2.1	22
8	Hamiltonian gadgets with reduced resource requirements. <i>Physical Review A</i> , 2015, 91, .	2.5	19
9	Solving Set Cover with Pairs Problem using Quantum Annealing. <i>Scientific Reports</i> , 2016, 6, 33957.	3.3	10
10	A molecular computing approach to solving optimization problems via programmable microdroplet arrays. <i>Matter</i> , 2021, 4, 1107-1124.	10.0	7
11	Quasi-reliable estimates of effective sample size. <i>IMA Journal of Numerical Analysis</i> , 2022, 42, 680-697.	2.9	3