Anmer Daskin

List of Publications by Year
in descending order

19 papers	**254** citations	1163117 **8** h-index	940533 **16** g-index
19 all docs	**19** docs citations	**19** times ranked	**260** citing authors

#	Article	IF	Citations
1	Decomposition of unitary matrices for finding quantum circuits: Application to molecular Hamiltonians. Journal of Chemical Physics, 2011, 134, 144112.	3.0	45
2	Quantum circuit design for solving linear systems of equations. Molecular Physics, 2012, 110, 1675-1680.	1.7	38
3	Group leaders optimization algorithm. Molecular Physics, 2011, 109, 761-772.	1.7	34
4	Quantum computing methods for electronic states of the water molecule. Molecular Physics, 2019, 117, 2069-2082.	1.7	33
5	Universal programmable quantum circuit schemes to emulate an operator. Journal of Chemical Physics, 2012, 137, 234112.	3.0	24
6	A universal quantum circuit scheme for finding complex eigenvalues. Quantum Information Processing, 2014, 13, 333-353.	2.2	18
7	A Simple Quantum Neural Net with a Periodic Activation Function. , 2018, , .		13
8	Direct application of the phase estimation algorithm to find the eigenvalues of the Hamiltonians. Chemical Physics, 2018, 514, 87-94.	1.9	11
9	Obtaining a linear combination of the principal components of a matrix on quantum computers. Quantum Information Processing, 2016, 15, 4013-4027.	2.2	10
10	An ancilla-based quantum simulation framework for non-unitary matrices. Quantum Information Processing, 2017, 16, 1.	2.2	9
11	A Quantum Implementation Model for Artificial Neural Networks. Quanta, 2018, 7, 7.	0.9	5
12	Multiple network alignment on quantum computers. Quantum Information Processing, 2014, 13, 2653-2666.	2.2	4
13	Quantum random state generation with predefined entanglement constraint. International Journal of Quantum Information, 2014, 12, 1450030.	1.1	2
14	Reducing the number of ancilla qubits and the gate count required for creating large controlled operations. Quantum Information Processing, 2015, 14, 891-899.	2.2	2
15	A generalized circuit for the Hamiltonian dynamics through the truncated series. Quantum Information Processing, 2018, 17, 1.	2.2	2
16	Context-aware quantum simulation of a matrix stored in quantum memory. Quantum Information Processing, 2019, 18, 1.	2.2	2
17	Combinatorial optimization through variational quantum power method. Quantum Information Processing, 2021, 20, 1.	2.2	1
18	The quantum version of the shifted power method and its application in quadratic binary optimization. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 2088-2095.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Quantum eigenvalue estimation for irreducible non-negative matrices. International Journal of Quantum Information, 2016, 14, 1650005.	1.1	0