

# Saad Yalouz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6615314/publications.pdf>

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8  
papers

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citations

1937685

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1720034

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71  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Nonadiabatic Couplings and Gradients within the State-Averaged Orbital-Optimized Variational Quantum Eigensolver. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 776-794.	5.3	14
2	A state-averaged orbital-optimized hybrid quantum-classical algorithm for a democratic description of ground and excited states. <i>Quantum Science and Technology</i> , 2021, 6, 024004.	5.8	38
3	Orbital transformations to reduce the 1-norm of the electronic structure Hamiltonian for quantum computing applications. <i>Physical Review Research</i> , 2021, 3, .	3.6	19
4	Continuous-time quantum walk on an extended star graph: Disorder-enhanced trapping process. <i>Physical Review E</i> , 2020, 101, 012310.	2.1	3
5	Continuous-time quantum walk on an extended star graph: Trapping and superradiance transition. <i>Physical Review E</i> , 2018, 97, 022304.	2.1	8
6	Exciton-phonon dynamics on complex networks: Comparison between a perturbative approach and exact calculations. <i>Physical Review E</i> , 2017, 96, 022304.	2.1	1
7	Exciton-phonon system on a star graph: A perturbative approach. <i>Physical Review E</i> , 2016, 93, 052306.	2.1	3
8	Encoding strongly-correlated many-boson wavefunctions on a photonic quantum computer: application to the attractive Bose-Hubbard model. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 572.	0.0	4