

Francesco Tacchino

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

694
citations

759233

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g-index

20
all docs

20
docs citations

20
times ranked

571
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum neural networks force fields generation. Machine Learning: Science and Technology, 2022, 3, 035004.	5.0	5
2	Ancilla-free implementation of generalized measurements for qubits embedded in a qudit space. Physical Review Research, 2022, 4, .	3.6	14
3	A proposal for using molecular spin qudits as quantum simulators of light-matter interactions. Journal of Materials Chemistry C, 2021, 9, 10266-10275.	5.5	23
4	Variational Learning for Quantum Artificial Neural Networks. IEEE Transactions on Quantum Engineering, 2021, 2, 1-10.	4.9	19
5	Quantum computing models for artificial neural networks. Europhysics Letters, 2021, 134, 10002.	2.0	57
6	Maximally efficient quantum thermal machines fueled by nonequilibrium steady states. Physical Review A, 2021, 103, .	2.5	4
7	Simulating Static and Dynamic Properties of Magnetic Molecules with Prototype Quantum Computers. Magnetochemistry, 2021, 7, 117.	2.4	14
8	Learning to Measure: Adaptive Informationally Complete Generalized Measurements for Quantum Algorithms. PRX Quantum, 2021, 2, .	9.2	37
9	Quantum Computers as Universal Quantum Simulators: State-of-the-Art and Perspectives. Advanced Quantum Technologies, 2020, 3, 1900052.	3.9	80
10	Charging a quantum battery via nonequilibrium heat current. Physical Review E, 2020, 102, 062133.	2.1	19
11	Quantum implementation of an artificial feed-forward neural network. Quantum Science and Technology, 2020, 5, 044010.	5.8	46
12	Quantum computing model of an artificial neuron with continuously valued input data. Machine Learning: Science and Technology, 2020, 1, 045008.	5.0	21
13	Variational learning for quantum artificial neural networks. , 2020, , .		12
14	Quantum hardware simulating four-dimensional inelastic neutron scattering. Nature Physics, 2019, 15, 455-459.	16.7	89
15	An artificial neuron implemented on an actual quantum processor. Npj Quantum Information, 2019, 5, .	6.7	160
16	Optimal efficiency of the Q-cycle mechanism around physiological temperatures from an open quantum systems approach. Scientific Reports, 2019, 9, 16657.	3.3	7
17	Steady State Entanglement beyond Thermal Limits. Physical Review Letters, 2018, 120, 063604.	7.8	48
18	Electromechanical quantum simulators. Physical Review B, 2018, 97, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Algorithmic Error Mitigation Scheme for Current Quantum Processors. Quantum - the Open Journal for Quantum Science, 0, 5, 492.	0.0	24
20	Improving readout in quantum simulations with repetition codes. Quantum Science and Technology, 0, , .	5.8	9