Marcello Benedetti

List of Publications by Year
in descending order

16 papers	**1,815** citations	759233 **12** h-index	1058476 **14** g-index
17 all docs	**17** docs citations	**17** times ranked	**1036** citing authors

#	Article	IF	Citations
1	Filtering variational quantum algorithms for combinatorial optimization. Quantum Science and Technology, 2022, 7, 015021.	5.8	51
2	Hardware-efficient variational quantum algorithms for time evolution. Physical Review Research, 2021, 3, .	3.6	79
3	F-Divergences and Cost Function Locality in Generative Modelling with Quantum Circuits. Entropy, 2021, 23, 1281.	2.2	1
4	Variational Inference with a Quantum Computer. Physical Review Applied, 2021, 16, .	3.8	15
5	Adversarial quantum circuit learning for pure state approximation. New Journal of Physics, 2019, 21, 043023.	2.9	47
6	Training of quantum circuits on a hybrid quantum computer. Science Advances, 2019, 5, eaaw9918.	10.3	134
7	A generative modeling approach for benchmarking and training shallow quantum circuits. Npj Quantum Information, 2019, 5, .	6.7	178
8	Parameterized quantum circuits as machine learning models. Quantum Science and Technology, 2019, 4, 043001.	5.8	409
9	Quantum-assisted Helmholtz machines: A quantumâ€"classical deep learning framework for industrial datasets in near-term devices. Quantum Science and Technology, 2018, 3, 034007.	5.8	58
10	Hierarchical quantum classifiers. Npj Quantum Information, 2018, 4, .	6.7	184
11	Opportunities and challenges for quantum-assisted machine learning in near-term quantum computers. Quantum Science and Technology, 2018, 3, 030502.	5.8	121
12	Quantum-Assisted Learning of Hardware-Embedded Probabilistic Graphical Models. Physical Review X, 2017, 7, .	8.9	86
13	Estimation of effective temperatures in quantum annealers for sampling applications: A case study with possible applications in deep learning. Physical Review A, 2016, 94, .	2.5	147
14	Tracing the Paths between Concepts in Large Bio-Medical Corpora. , 2015, , .		0
15	Structure optimization for parameterized quantum circuits. Quantum - the Open Journal for Quantum Science, 0, 5, 391.	0.0	89
16	An initialization strategy for addressing barren plateaus in parametrized quantum circuits. Quantum - the Open Journal for Quantum Science, 0, 3, 214.	0.0	206