

Marcello Benedetti

List of Publications by Year in descending order

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Version: 2024-02-01

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