

Tyler Volkoff

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

725
citations

1478505

6
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Cost function dependent barren plateaus in shallow parametrized quantum circuits. Nature Communications, 2021, 12, 1791.	12.8	412
2	Nonclassicality as a Quantifiable Resource for Quantum Metrology. Physical Review Letters, 2019, 122, 040503.	7.8	106
3	Absence of Barren Plateaus in Quantum Convolutional Neural Networks. Physical Review X, 2021, 11, .	8.9	85
4	Large gradients via correlation in random parameterized quantum circuits. Quantum Science and Technology, 2021, 6, 025008.	5.8	72
5	Universal Compiling and (No-)Free-Lunch Theorems for Continuous-Variable Quantum Learning. PRX Quantum, 2021, 2, .	9.2	12
6	Optimal and near-optimal probe states for quantum metrology of number-conserving two-mode bosonic Hamiltonians. Physical Review A, 2016, 94, .	2.5	11
7	Variational quantum algorithms to estimate rank, quantum entropies, fidelity, and Fisher information via purity minimization. Physical Review Research, 2021, 3, .	3.6	7
8	Nonclassical properties and quantum resources of hierarchical photonic superposition states. Journal of Experimental and Theoretical Physics, 2015, 121, 770-784.	0.9	6
9	Asymptotic optimality of twist-untwist protocols for Heisenberg scaling in atom-based sensing. Physical Review Research, 2022, 4, .	3.6	6
10	Generating accessible entanglement in bosons via pair-correlated tunneling. Physical Review A, 2019, 100, .	2.5	5
11	Two-dimensional superfluidity in ^4He clusters intercalated into graphite. Physical Review B, 2020, 102, .	3.2	2
12	Optimality of Gaussian receivers for practical Gaussian distributed sensing. Physical Review A, 2018, 98, .	2.5	1