Giacomo Torlai

List of Publications by Year
in descending order

15	1,528	623574	940416
papers	citations	14 h-index	16 g-index

16	16	16	1214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural-network quantum state tomography. Nature Physics, 2018, 14, 447-450.	6.5	521
2	Learning thermodynamics with Boltzmann machines. Physical Review B, 2016, 94, .	1.1	201
3	Reconstructing quantum states with generative models. Nature Machine Intelligence, 2019, 1, 155-161.	8.3	181
4	Neural Decoder for Topological Codes. Physical Review Letters, 2017, 119, 030501.	2.9	121
5	Latent Space Purification via Neural Density Operators. Physical Review Letters, 2018, 120, 240503.	2.9	92
6	Integrating Neural Networks with a Quantum Simulator for State Reconstruction. Physical Review Letters, 2019, 123, 230504.	2.9	90
7	NetKet: A machine learning toolkit for many-body quantum systems. SoftwareX, 2019, 10, 100311.	1.2	65
8	Machine-Learning Quantum States in the NISQ Era. Annual Review of Condensed Matter Physics, 2020, 11, 325-344.	5.2	55
9	Precise measurement of quantum observables with neural-network estimators. Physical Review Research, 2020, 2, .	1.3	53
10	Dynamics of the entanglement spectrum in spin chains. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P06001.	0.9	47
11	Learnability scaling of quantum states: Restricted Boltzmann machines. Physical Review B, 2019, 100, .	1.1	30
12	How To Use Neural Networks To Investigate Quantum Many-Body Physics. PRX Quantum, 2021, 2, .	3.5	25
13	Wave-function positivization via automatic differentiation. Physical Review Research, 2020, 2, .	1.3	21
14	QuCumber: wavefunction reconstruction with neural networks. SciPost Physics, 2019, 7, .	1.5	19
15	Schmidt gap in random spin chains. Physical Review B, 2018, 98, .	1.1	6