

Tobias Haug

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8477575/publications.pdf>

Version: 2024-02-01

21
papers

920
citations

687363

13
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Noisy intermediate-scale quantum algorithms. <i>Reviews of Modern Physics</i> , 2022, 94, .	45.6	521
2	Roadmap on Atomtronics: State of the art and perspective. <i>AVS Quantum Science</i> , 2021, 3, .	4.9	87
3	Capacity and Quantum Geometry of Parametrized Quantum Circuits. <i>PRX Quantum</i> , 2021, 2, .	9.2	40
4	Quantum-assisted simulator. <i>Physical Review A</i> , 2021, 104, .	2.5	31
5	Machine learning meets quantum foundations: A brief survey. <i>AVS Quantum Science</i> , 2020, 2, 034101.	4.9	30
6	Readout of the atomtronic quantum interference device. <i>Physical Review A</i> , 2018, 97, .	2.5	25
7	Classifying global state preparation via deep reinforcement learning. <i>Machine Learning: Science and Technology</i> , 2021, 2, 01LT02.	5.0	25
8	Topological pumping in Aharonov-Bohm rings. <i>Communications Physics</i> , 2019, 2, .	5.3	18
9	Iterative quantum-assisted eigensolver. <i>Physical Review A</i> , 2021, 104, .	2.5	18
10	Mesoscopic Vortex-Meissner currents in ring ladders. <i>Quantum Science and Technology</i> , 2018, 3, 035006.	5.8	17
11	Aharonov-Bohm effect in mesoscopic Bose-Einstein condensates. <i>Physical Review A</i> , 2019, 100, .	2.5	16
12	Machine-learning engineering of quantum currents. <i>Physical Review Research</i> , 2021, 3, .	3.6	14
13	Long-distance dissipation-assisted transport of entangled states via a chiral waveguide. <i>Physical Review Research</i> , 2020, 2, .	3.6	13
14	Persistent current of SU(N) fermions. <i>SciPost Physics</i> , 2022, 12, .	4.9	13
15	Topological pumping of quantum correlations. <i>Physical Review Research</i> , 2020, 2, .	3.6	12
16	Andreev-reflection and Aharonov-Bohm dynamics in atomtronic circuits. <i>Quantum Science and Technology</i> , 2019, 4, 045001.	5.8	10
17	NISQ Algorithm for Hamiltonian simulation via truncated Taylor series. <i>SciPost Physics</i> , 2022, 12, .	4.9	8
18	Noisy intermediate-scale quantum algorithm for semidefinite programming. <i>Physical Review A</i> , 2022, 105, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	Fast-forwarding with NISQ processors without feedback loop. Quantum Science and Technology, 2022, 7, 015001.	5.8	6
20	Nonclassical states in strongly correlated bosonic ring ladders. Physical Review A, 2019, 99, .	2.5	5
21	Stroboscopic Hamiltonian engineering in the low-frequency regime with a one-dimensional quantum processor. Physical Review B, 2022, 105, .	3.2	3