

Kai Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6116703/publications.pdf>

Version: 2024-02-01

20
papers

1,330
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	10-Qubit Entanglement and Parallel Logic Operations with a Superconducting Circuit. Physical Review Letters, 2017, 119, 180511.	7.8	313
2	Generation of multicomponent atomic Schrödinger cat states of up to 20 qubits. Science, 2019, 365, 574-577.	12.6	235
3	Emulating Many-Body Localization with a Superconducting Quantum Processor. Physical Review Letters, 2018, 120, 050507.	7.8	189
4	Experimental Realization of Nonadiabatic Shortcut to Non-Abelian Geometric Gates. Physical Review Letters, 2019, 122, 080501.	7.8	118
5	Possible charge-density wave, superconductivity, and f -electron valence instability in $\text{F}_{1-x}\text{Bi}_x\text{S}_2$. Physical Review B, 2014, 90, .	3.2	112
6	Probing dynamical phase transitions with a superconducting quantum simulator. Science Advances, 2020, 6, eaba4935.	10.3	80
7	Continuous-variable geometric phase and its manipulation for quantum computation in a superconducting circuit. Nature Communications, 2017, 8, 1061.	12.8	64
8	Demonstration of Topological Robustness of Anyonic Braiding Statistics with a Superconducting Quantum Circuit. Physical Review Letters, 2018, 121, 030502.	7.8	40
9	Deterministic Entanglement Swapping in a Superconducting Circuit. Physical Review Letters, 2019, 123, 060502.	7.8	39
10	Quantum Delayed-Choice Experiment with a Beam Splitter in a Quantum Superposition. Physical Review Letters, 2015, 115, 260403.	7.8	32
11	Observation of Bloch oscillations and Wannier-Stark localization on a superconducting quantum processor. Npj Quantum Information, 2021, 7, .	6.7	25
12	Metrological Characterization of Non-Gaussian Entangled States of Superconducting Qubits. Physical Review Letters, 2022, 128, 150501.	7.8	20
13	Demonstration of a non-Abelian geometric controlled-NOT gate in a superconducting circuit. Optica, 2021, 8, 972.	9.3	17
14	Quantum generative adversarial networks with multiple superconducting qubits. Npj Quantum Information, 2021, 7, .	6.7	14
15	Experimental demonstration of entanglement-enabled universal quantum cloning in a circuit. Npj Quantum Information, 2021, 7, .	6.7	12
16	Observation of emergent \mathbb{Z}_2 gauge invariance in a superconducting circuit. Physical Review Research, 2022, 4, .	3.6	11
17	Engineering Interlayer Electron-Phonon Coupling in WS_2/BN Heterostructures. Nano Letters, 2022, 22, 2725-2733.	9.1	7
18	Discrete time crystal in a driven-dissipative Bose-Hubbard model with two-photon processes. Physical Review A, 2022, 105, .	2.5	1

#	ARTICLE	IF	CITATIONS
19	Measuring Loschmidt echo via Floquet engineering in superconducting circuits. Chinese Physics B, 2022, 31, 030307.	1.4	1
20	Recalculation and Reevaluation of the Complete Sets of Neutron Data for ^{63}Cu and ^{65}Cu below 20 MeV. Nuclear Science and Engineering, 2010, 164, 304-317.	1.1	0