

# 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	Discrete time crystal in a driven-dissipative Bose-Hubbard model with two-photon processes. <i>Physical Review A</i> , 2022, 105, .	2.5	1
2	Engineering Interlayer Electron-Phonon Coupling in WS <sub>2</sub> /BN Heterostructures. <i>Nano Letters</i> , 2022, 22, 2725-2733.	9.1	7
3	Measuring Loschmidt echo via Floquet engineering in superconducting circuits. <i>Chinese Physics B</i> , 2022, 31, 030307.	1.4	1
4	Metrological Characterization of Non-Gaussian Entangled States of Superconducting Qubits. <i>Physical Review Letters</i> , 2022, 128, 150501.	7.8	20
5	Observation of emergent $\mathbb{Z}_2$ gauge invariance in a superconducting circuit. <i>Physical Review Research</i> , 2022, 4, .	3.6	11
6	Experimental demonstration of entanglement-enabled universal quantum cloning in a circuit. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	12
7	Observation of Bloch oscillations and Wannier-Stark localization on a superconducting quantum processor. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	25
8	Demonstration of a non-Abelian geometric controlled-NOT gate in a superconducting circuit. <i>Optica</i> , 2021, 8, 972.	9.3	17
9	Quantum generative adversarial networks with multiple superconducting qubits. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	14
10	Probing dynamical phase transitions with a superconducting quantum simulator. <i>Science Advances</i> , 2020, 6, eaba4935.	10.3	80
11	Generation of multicomponent atomic Schrödinger cat states of up to 20 qubits. <i>Science</i> , 2019, 365, 574-577.	12.6	235
12	Deterministic Entanglement Swapping in a Superconducting Circuit. <i>Physical Review Letters</i> , 2019, 123, 060502.	7.8	39
13	Experimental Realization of Nonadiabatic Shortcut to Non-Abelian Geometric Gates. <i>Physical Review Letters</i> , 2019, 122, 080501.	7.8	118
14	Emulating Many-Body Localization with a Superconducting Quantum Processor. <i>Physical Review Letters</i> , 2018, 120, 050507.	7.8	189
15	Demonstration of Topological Robustness of Anyonic Braiding Statistics with a Superconducting Quantum Circuit. <i>Physical Review Letters</i> , 2018, 121, 030502.	7.8	40
16	Continuous-variable geometric phase and its manipulation for quantum computation in a superconducting circuit. <i>Nature Communications</i> , 2017, 8, 1061.	12.8	64
17	10-Qubit Entanglement and Parallel Logic Operations with a Superconducting Circuit. <i>Physical Review Letters</i> , 2017, 119, 180511.	7.8	313
18	Quantum Delayed-Choice Experiment with a Beam Splitter in a Quantum Superposition. <i>Physical Review Letters</i> , 2015, 115, 260403.	7.8	32

#	ARTICLE	IF	CITATIONS
19	<p>Possible charge density wave, superconductivity, and <math>f</math>-electron valence instability in <math>\text{EuBiS}_2</math>.</p> <p>Physical Review B, 2014, 90, .</p>	3.2	112
20	<p>Recalculation and Reevaluation of the Complete Sets of Neutron Data for <math>^{63}\text{Cu}</math> and <math>^{65}\text{Cu}</math> below 20 MeV.</p> <p>Nuclear Science and Engineering, 2010, 164, 304-317.</p>	1.1	0