

Ming Gong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5045279/publications.pdf>

Version: 2024-02-01

30
papers

1,668
citations

471509

17
h-index

526287

27
g-index

33
all docs

33
docs citations

33
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Quantum Computational Advantage Using a Superconducting Quantum Processor. Physical Review Letters, 2021, 127, 180501.	7.8	491
2	Quantum walks on a programmable two-dimensional 62-qubit superconducting processor. Science, 2021, 372, 948-952.	12.6	202
3	Strongly correlated quantum walks with a 12-qubit superconducting processor. Science, 2019, 364, 753-756.	12.6	169
4	Genuine 12-Qubit Entanglement on a Superconducting Quantum Processor. Physical Review Letters, 2019, 122, 110501.	7.8	136
5	Quantum computational advantage via 60-qubit 24-cycle random circuit sampling. Science Bulletin, 2022, 67, 240-245.	9.0	114
6	Propagation and Localization of Collective Excitations on a 24-Qubit Superconducting Processor. Physical Review Letters, 2019, 123, 050502.	7.8	87
7	Experimental Quantum Generative Adversarial Networks for Image Generation. Physical Review Applied, 2021, 16, .	3.8	87
8	An efficient and compact switch for quantum circuits. Npj Quantum Information, 2018, 4, .	6.7	39
9	Simulating the Kibble-Zurek mechanism of the Ising model with a superconducting qubit system. Scientific Reports, 2016, 6, 22667.	3.3	37
10	Atomically Thin AlO_3 Films for Tunnel Junctions. Physical Review Applied, 2017, 7, .	3.8	35
11	Demonstration of Adiabatic Variational Quantum Computing with a Superconducting Quantum Coprocessor. Physical Review Letters, 2020, 125, 180501.	7.8	33
12	Emulating Quantum Teleportation of a Majorana Zero Mode Qubit. Physical Review Letters, 2021, 126, 090502.	7.8	30
13	Experimental characterization of the quantum many-body localization transition. Physical Review Research, 2021, 3, .	3.6	27
14	Observation of Thermalization and Information Scrambling in a Superconducting Quantum Processor. Physical Review Letters, 2022, 128, 160502.	7.8	26
15	Realisation of high-fidelity nonadiabatic CZ gates with superconducting qubits. Npj Quantum Information, 2019, 5, .	6.7	23
16	Experimental exploration of five-qubit quantum error-correcting code with superconducting qubits. National Science Review, 2022, 9, nwab011.	9.5	22
17	Observation of coherent oscillation in single-passage Landau-Zener transitions. Scientific Reports, 2015, 5, 8463.	3.3	18
18	Ergodic-Localized Junctions in a Periodically Driven Spin Chain. Physical Review Letters, 2020, 125, 170503.	7.8	18

#	ARTICLE	IF	CITATIONS
19	Observation of Strong and Weak Thermalization in a Superconducting Quantum Processor. <i>Physical Review Letters</i> , 2021, 127, 020602.	7.8	16
20	Realization of High-Fidelity Controlled-Phase Gates in Extensible Superconducting Qubits Design with a Tunable Coupler. <i>Chinese Physics Letters</i> , 2021, 38, 100301.	3.3	13
21	Landau-Zener-Stückelberg-Majorana interference in a 3D transmon driven by a chirped microwave. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	10
22	Emergent phases in a compass chain with multisite interactions. <i>Physical Review B</i> , 2017, 95, .	3.2	9
23	Observation of quantum stochastic synchronization in a dissipative quantum system. <i>Physical Review B</i> , 2014, 90, .	3.2	8
24	Floquet prethermal phase protected by U(1) symmetry on a superconducting quantum processor. <i>Physical Review A</i> , 2022, 105, .	2.5	8
25	Fundamental Intrinsic Lifetimes in Semiconductor Self-Assembled Quantum Dots. <i>Physical Review Applied</i> , 2018, 10, .	3.8	3
26	Verification of a resetting protocol for an uncontrolled superconducting qubit. <i>Npj Quantum Information</i> , 2020, 6, .	6.7	2
27	Innenrücktitelbild: One-Pot Controlled Synthesis of Hexagonal-Prismatic Cu _{1.94} S-ZnS, Cu _{1.94} S-ZnS-Cu _{1.94} S, and Cu _{1.94} S-ZnS-Cu _{1.94} S-ZnS-Cu _{1.94} S Heteronanostructures (<i>Angew. Chem.</i>) Tj ETQq1 1x0784314rgBT /O		
28	Inside Back Cover: One-Pot Controlled Synthesis of Hexagonal-Prismatic Cu _{1.94} S-ZnS, Cu _{1.94} S-ZnS-Cu _{1.94} S, and Cu _{1.94} S-ZnS-Cu _{1.94} S-ZnS-Cu _{1.94} S Heteronanostructures (<i>Angew. Chem. Int. Ed.</i>) Tj ETQq1 1x0784314rgBT /Over		
29	Nutation dynamics and multifrequency resonance in a many-body seesaw. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 045001.	1.5	0
30	Perspective on witnessing entanglement in hybrid quantum systems. <i>Applied Physics Letters</i> , 2021, 119, 110501.	3.3	0