Ming Gong

List of Publications by Year
in descending order

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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	Experimental exploration of five-qubit quantum error-correcting code with superconducting qubits. National Science Review, 2022, 9, nwab011.	9.5	22
2	Quantum computational advantage via 60-qubit 24-cycle random circuit sampling. Science Bulletin, 2022, 67, 240-245.	9.0	114
3	Floquet prethermal phase protected by U(1) symmetry on a superconducting quantum processor. Physical Review A, 2022, 105, .	2.5	8
4	Observation of Thermalization and Information Scrambling in a Superconducting Quantum Processor. Physical Review Letters, 2022, 128, 160502.	7.8	26
5	Nutation dynamics and multifrequency resonance in a many-body seesaw. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 045001.	1.5	0
6	Emulating Quantum Teleportation of a Majorana Zero Mode Qubit. Physical Review Letters, 2021, 126, 090502.	7.8	30
7	Quantum walks on a programmable two-dimensional 62-qubit superconducting processor. Science, 2021, 372, 948-952.	12.6	202
8	Observation of Strong and Weak Thermalization in a Superconducting Quantum Processor. Physical Review Letters, 2021, 127, 020602.	7.8	16
9	Experimental characterization of the quantum many-body localization transition. Physical Review Research, 2021, 3, .	3.6	27
10	Experimental Quantum Generative Adversarial Networks for Image Generation. Physical Review Applied, 2021, 16, .	3.8	87
11	Perspective on witnessing entanglement in hybrid quantum systems. Applied Physics Letters, 2021, 119, 110501.	3.3	0
12	Strong Quantum Computational Advantage Using a Superconducting Quantum Processor. Physical Review Letters, 2021, 127, 180501.	7.8	491
13	Realization of High-Fidelity Controlled-Phase Gates in Extensible Superconducting Qubits Design with a Tunable Coupler. Chinese Physics Letters, 2021, 38, 100301.	3.3	13
14	Ergodic-Localized Junctions in a Periodically Driven Spin Chain. Physical Review Letters, 2020, 125, 170503.	7.8	18
15	Demonstration of Adiabatic Variational Quantum Computing with a Superconducting Quantum Coprocessor. Physical Review Letters, 2020, 125, 180501.	7.8	33
16	Verification of a resetting protocol for an uncontrolled superconducting qubit. Npj Quantum Information, 2020, 6, .	6.7	2
17	Propagation and Localization of Collective Excitations on a 24-Qubit Superconducting Processor. Physical Review Letters, 2019, 123, 050502.	7.8	87
18	Realisation of high-fidelity nonadiabatic CZ gates with superconducting qubits. Npj Quantum Information, 2019, 5, .	6.7	23

#	Article	IF	Citations
19	Strongly correlated quantum walks with a 12-qubit superconducting processor. Science, 2019, 364, 753-756.	12.6	169
20	Genuine 12-Qubit Entanglement on a Superconducting Quantum Processor. Physical Review Letters, 2019, 122, 110501.	7.8	136
21	An efficient and compact switch for quantum circuits. Npj Quantum Information, 2018, 4, .	6.7	39
22	Fundamental Intrinsic Lifetimes in Semiconductor Self-Assembled Quantum Dots. Physical Review Applied, 2018, 10, .	3.8	3
23	Emergent phases in a compass chain with multisite interactions. Physical Review B, 2017, 95, .	3.2	9
24	Atomically Thin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Al</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mm mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Films for Tunnel Junctions. Physical Review Applied, 2017, 7, .	3.8	35
25	Landau-Zener-StÃ¼ckelberg-Majorana interference in a 3D transmon driven by a chirped microwave. Applied Physics Letters, 2016, 108, .	3.3	10
26	Simulating the Kibble-Zurek mechanism of the Ising model with a superconducting qubit system. Scientific Reports, 2016, 6, 22667.	3.3	37
27	Observation of coherent oscillation in single-passage Landau-Zener transitions. Scientific Reports, 2015, 5, 8463.	3.3	18
28	Observation of quantum stochastic synchronization in a dissipative quantum system. Physical Review B, 2014, 90, .	3.2	8
29	InnenrÃ¼cktitelbild: One-Pot Controlled Synthesis of Hexagonal-Prismatic Cu1.94S-ZnS, Cu1.94S-ZnS-Cu1.94S, and Cu1.94S-ZnS-Cu1.94S-ZnS-Cu1.94S Heteronanostructures (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ove	[illegible]	[illegible]
30	Inside Back Cover: One-Pot Controlled Synthesis of Hexagonal-Prismatic Cu1.94S-ZnS, Cu1.94S-ZnS-Cu1.94S, and Cu1.94S-ZnS-Cu1.94S-ZnS-Cu1.94S Heteronanostructures (Angew. Chem. Int. Ed.) Tj ETQq0 0 0 rgBT /Overl	13.8	0