

Christopher Axline

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,720
citations

567281

15
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1664
citing authors

#	ARTICLE	IF	CITATIONS
1	A Schrödinger cat living in two boxes. <i>Science</i> , 2016, 352, 1087-1091.	12.6	244
2	Quantum memory with millisecond coherence in circuit QED. <i>Physical Review B</i> , 2016, 94, .	3.2	237
3	Surface participation and dielectric loss in superconducting qubits. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	170
4	Reaching 10 ⁶ ms single photon lifetimes for superconducting aluminum cavities. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	168
5	Deterministic teleportation of a quantum gate between two logical qubits. <i>Nature</i> , 2018, 561, 368-373.	27.8	154
6	On-demand quantum state transfer and entanglement between remote microwave cavity memories. <i>Nature Physics</i> , 2018, 14, 705-710.	16.7	143
7	Measurement and control of quasiparticle dynamics in a superconducting qubit. <i>Nature Communications</i> , 2014, 5, 5836.	12.8	130
8	Deterministic Remote Entanglement of Superconducting Circuits through Microwave Two-Photon Transitions. <i>Physical Review Letters</i> , 2018, 120, 200501.	7.8	105
9	Controlled release of multiphoton quantum states from a microwave cavity memory. <i>Nature Physics</i> , 2017, 13, 882-887.	16.7	101
10	Coherent Oscillations inside a Quantum Manifold Stabilized by Dissipation. <i>Physical Review X</i> , 2018, 8, .	8.9	73
11	An architecture for integrating planar and 3D cQED devices. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	55
12	Suspending superconducting qubits by silicon micromachining. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	34
13	Error-Detected State Transfer and Entanglement in a Superconducting Quantum Network. <i>PRX Quantum</i> , 2021, 2, .	9.2	34
14	Implementing and Characterizing Precise Multiqubit Measurements. <i>Physical Review X</i> , 2016, 6, .	8.9	27
15	Micromachined Integrated Quantum Circuit Containing a Superconducting Qubit. <i>Physical Review Applied</i> , 2017, 7, .	3.8	21
16	High-Speed Discrimination and Sorting of Submicron Particles Using a Microfluidic Device. <i>Nano Letters</i> , 2015, 15, 469-475.	9.1	12
17	Design, fabrication and characterization of a micro-fabricated stacked-wafer segmented ion trap with two X-junctions. <i>Quantum Science and Technology</i> , 2021, 6, 044001.	5.8	12