

Ravi K Naik

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,102
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1167
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Qubit Characterization and Gate Optimization with <i>QubiC</i> . ACM Transactions on Quantum Computing, 2023, 4, 1-12.	4.3	4
2	High-fidelity three-qubit iToffoli gate for fixed-frequency superconducting qubits. Nature Physics, 2022, 18, 783-788.	16.7	32
3	Multimode photon blockade. Nature Physics, 2022, 18, 879-884.	16.7	14
4	Optimized SWAP networks with equivalent circuit averaging for QAOA. Physical Review Research, 2022, 4, .	3.6	9
5	QubiC: An Open-Source FPGA-Based Control and Measurement System for Superconducting Quantum Information Processors. IEEE Transactions on Quantum Engineering, 2021, 2, 1-11.	4.9	21
6	Searching for Dark Matter with a Superconducting Qubit. Physical Review Letters, 2021, 126, 141302.	7.8	73
7	Qutrit Randomized Benchmarking. Physical Review Letters, 2021, 126, 210504.	7.8	59
8	Seamless High- Q Microwave Cavities for Multimode Circuit Quantum Electrodynamics. Physical Review Letters, 2021, 127, 107701.	7.8	30
9	Hardware-Efficient Microwave-Activated Tunable Coupling between Superconducting Qubits. Physical Review Letters, 2021, 127, 200502.	7.8	38
10	Experimental Characterization of Crosstalk Errors with Simultaneous Gate Set Tomography. PRX Quantum, 2021, 2, .	9.2	22
11	Randomized Compiling for Scalable Quantum Computing on a Noisy Superconducting Quantum Processor. Physical Review X, 2021, 11, .	8.9	41
12	A tunable high- Q millimeter wave cavity for hybrid circuit and cavity QED experiments. Applied Physics Letters, 2020, 116, .	3.3	14
13	Deterministic bidirectional communication and remote entanglement generation between superconducting qubits. Npj Quantum Information, 2019, 5, .	6.7	44
14	Realization of a \hat{b}^\dagger System with Metastable States of a Capacitively Shunted Fluxonium. Physical Review Letters, 2018, 120, 150504.	7.8	74
15	Universal Stabilization of a Parametrically Coupled Qubit. Physical Review Letters, 2017, 119, 150502.	7.8	87
16	Random access quantum information processors using multimode circuit quantum electrodynamics. Nature Communications, 2017, 8, 1904.	12.8	91
17	High-Contrast Qubit Interactions Using Multimode Cavity QED. Physical Review Letters, 2015, 114, 080501.	7.8	55
18	In-plane magnetic field tolerance of a dispersive aluminum nanobridge SQUID magnetometer. Applied Physics Letters, 2013, 102, 232602.	3.3	14

#	ARTICLE	IF	CITATIONS
19	Stabilizing Rabi oscillations in a superconducting qubit using quantum feedback. Nature, 2012, 490, 77-80.	27.8	377