

# Ravi K Naik

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8300187/publications.pdf>

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	Stabilizing Rabi oscillations in a superconducting qubit using quantum feedback. Nature, 2012, 490, 77-80.	27.8	377
2	Random access quantum information processors using multimode circuit quantum electrodynamics. Nature Communications, 2017, 8, 1904.	12.8	91
3	Universal Stabilization of a Parametrically Coupled Qubit. Physical Review Letters, 2017, 119, 150502.	7.8	87
4	Realization of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi mathvariant="normal"} \rangle \text{b} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ System with Metastable States of a Capacitively Shunted Fluxonium. Physical Review Letters, 2018, 120, 150504.	7.8	74
5	Searching for Dark Matter with a Superconducting Qubit. Physical Review Letters, 2021, 126, 141302.	7.8	73
6	Qutrit Randomized Benchmarking. Physical Review Letters, 2021, 126, 210504.	7.8	59
7	High-Contrast Qubit Interactions Using Multimode Cavity QED. Physical Review Letters, 2015, 114, 080501.	7.8	55
8	Deterministic bidirectional communication and remote entanglement generation between superconducting qubits. Npj Quantum Information, 2019, 5, .	6.7	44
9	Randomized Compiling for Scalable Quantum Computing on a Noisy Superconducting Quantum Processor. Physical Review X, 2021, 11, .	8.9	41
10	Hardware-Efficient Microwave-Activated Tunable Coupling between Superconducting Qubits. Physical Review Letters, 2021, 127, 200502.	7.8	38
11	High-fidelity three-qubit iToffoli gate for fixed-frequency superconducting qubits. Nature Physics, 2022, 18, 783-788.	16.7	32
12	Seamless High- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{Q} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Microwave Cavities for Multimode Circuit Quantum Electrodynamics. Physical Review Letters, 2021, 127, 107701.	7.8	30
13	Experimental Characterization of Crosstalk Errors with Simultaneous Gate Set Tomography. PRX Quantum, 2021, 2, .	9.2	22
14	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
15	In-plane magnetic field tolerance of a dispersive aluminum nanobridge SQUID magnetometer. Applied Physics Letters, 2013, 102, 232602.	3.3	14
16	A tunable high-Q millimeter wave cavity for hybrid circuit and cavity QED experiments. Applied Physics Letters, 2020, 116, .	3.3	14
17	Multimode photon blockade. Nature Physics, 2022, 18, 879-884.	16.7	14
18	Optimized SWAP networks with equivalent circuit averaging for QAOA. Physical Review Research, 2022, 4, .	3.6	9

#	ARTICLE	IF	CITATIONS
19	Automatic Qubit Characterization and Gate Optimization with <i>QubiC</i> . ACM Transactions on Quantum Computing, 2023, 4, 1-12.	4.3	4