

Fabio Altomare

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,535
citations

516561

16
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	Architectural Considerations in the Design of a Superconducting Quantum Annealing Processor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-10.	1.1	265
2	Thermally assisted quantum annealing of a 16-qubit problem. Nature Communications, 2013, 4, 1903.	5.8	178
3	Phase transitions in a programmable quantum spin glass simulator. Science, 2018, 361, 162-165.	6.0	174
4	Entanglement in a Quantum Annealing Processor. Physical Review X, 2014, 4, .	2.8	164
5	Autler-Townes Effect in a Superconducting Three-Level System. Physical Review Letters, 2009, 103, 193601.	2.9	135
6	Evidence for Macroscopic Quantum Tunneling of Phase Slips in Long One-Dimensional Superconducting Al Wires. Physical Review Letters, 2006, 97, 017001.	2.9	133
7	rf-SQUID-Mediated Coherent Tunable Coupling between a Superconducting Phase Qubit and a Lumped-Element Resonator. Physical Review Letters, 2010, 104, 177004.	2.9	81
8	Scaling advantage over path-integral Monte Carlo in quantum simulation of geometrically frustrated magnets. Nature Communications, 2021, 12, 1113.	5.8	74
9	Low-loss superconducting resonant circuits using vacuum-gap-based microwave components. Applied Physics Letters, 2010, 96, .	1.5	50
10	Decoherence, Autler-Townes effect, and dark states in two-tone driving of a three-level superconducting system. Physical Review B, 2011, 84, .	1.1	48
11	Dynamical Autler-Townes control of a phase qubit. Scientific Reports, 2012, 2, 645.	1.6	42
12	Demonstration of a Nonstoquastic Hamiltonian in Coupled Superconducting Flux Qubits. Physical Review Applied, 2020, 13, .	1.5	37
13	Tripartite interactions between two phase qubits and a resonant cavity. Nature Physics, 2010, 6, 777-781.	6.5	35
14	Tunneling spectroscopy using a probe qubit. Physical Review B, 2013, 87, .	1.1	32
15	Ultranarrow AuPd and Al wires. Applied Physics Letters, 2005, 86, 172501.	1.5	21
16	Probing high-frequency noise with macroscopic resonant tunneling. Physical Review B, 2011, 83, .	1.1	18
17	A frequency and sensitivity tunable microresonator array for high-speed quantum processor readout. Journal of Applied Physics, 2016, 119, .	1.1	10
18	Measurement crosstalk between two phase qubits coupled by a coplanar waveguide. Physical Review B, 2010, 82, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Silicon interface layers at GaAs/AlGaAs heterojunctions. Journal of Applied Physics, 1998, 84, 4637-4639.	1.1	1