

John Martinis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2373371/publications.pdf>

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15
papers

3,135
citations

566801

15
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

3467
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Entanglement of Two Superconducting Qubits via State Tomography. Science, 2006, 313, 1423-1425.	6.0	426
2	Defining and detecting quantum speedup. Science, 2014, 345, 420-424.	6.0	405
3	Spectroscopic signatures of localization with interacting photons in superconducting qubits. Science, 2017, 358, 1175-1179.	6.0	315
4	A blueprint for demonstrating quantum supremacy with superconducting qubits. Science, 2018, 360, 195-199.	6.0	307
5	Implementing the Quantum von Neumann Architecture with Superconducting Circuits. Science, 2011, 334, 61-65.	6.0	246
6	Emulation of a Quantum Spin with a Superconducting Phase Qudit. Science, 2009, 325, 722-725.	6.0	237
7	What is the Computational Value of Finite-Range Tunneling?. Physical Review X, 2016, 6, .	2.8	227
8	Microwave dielectric loss at single photon energies and millikelvin temperatures. Applied Physics Letters, 2008, 92, .	1.5	211
9	Ergodic dynamics and thermalization in an isolated quantum system. Nature Physics, 2016, 12, 1037-1041.	6.5	208
10	Quantum process tomography of a universal entangling gate implemented with Josephson phase qubits. Nature Physics, 2010, 6, 409-413.	6.5	186
11	Observation of topological transitions in interacting quantum circuits. Nature, 2014, 515, 241-244.	13.7	162
12	Demonstrating a Continuous Set of Two-qubit Gates for Near-term Quantum Algorithms. Physical Review Letters, 2020, 125, 120504.	2.9	146
13	Reducing the impact of intrinsic dissipation in a superconducting circuit by quantum error detection. Nature Communications, 2014, 5, 3135.	5.8	23
14	Demonstration of gate control of spin splitting in a high-mobility InAs/AlSb two-dimensional electron gas. Physical Review B, 2016, 93, .	1.1	20
15	Direct measurement of nonlocal interactions in the many-body localized phase. Physical Review Research, 2022, 4, .	1.3	16