

John Martinis

List of Publications by Year in descending order

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