

Matthew Neeley

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

7,564
citations

448610

19
h-index

889612

19
g-index

19
all docs

19
docs citations

19
times ranked

6668
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-crystalline eigenstate order on a quantum processor. Nature, 2022, 601, 531-536.	13.7	138
2	Resolving catastrophic error bursts from cosmic rays in large arrays of superconducting qubits. Nature Physics, 2022, 18, 107-111.	6.5	56
3	Quantum approximate optimization of non-planar graph problems on a planar superconducting processor. Nature Physics, 2021, 17, 332-336.	6.5	262
4	Exponential suppression of bit or phase errors with cyclic error correction. Nature, 2021, 595, 383-387.	13.7	172
5	Information scrambling in quantum circuits. Science, 2021, 374, 1479-1483.	6.0	127
6	Hartree-Fock on a superconducting qubit quantum computer. Science, 2020, 369, 1084-1089.	6.0	453
7	Quantum supremacy using a programmable superconducting processor. Nature, 2019, 574, 505-510.	13.7	4,148
8	Reduced phase error through optimized control of a superconducting qubit. Physical Review A, 2010, 82, .	1.0	76
9	Generation of three-qubit entangled states using superconducting phase qubits. Nature, 2010, 467, 570-573.	13.7	342
10	Lifetime and Coherence of Two-Level Defects in a Josephson Junction. Physical Review Letters, 2010, 105, 177001.	2.9	77
11	Emulation of a Quantum Spin with a Superconducting Phase Qudit. Science, 2009, 325, 722-725.	6.0	237
12	Process tomography of quantum memory in a Josephson-phase qubit coupled to a two-level state. Nature Physics, 2008, 4, 523-526.	6.5	222
13	High-Fidelity Gates in a Single Josephson Qubit. Physical Review Letters, 2008, 100, 247001.	2.9	99
14	Reversal of the Weak Measurement of a Quantum State in a Superconducting Phase Qubit. Physical Review Letters, 2008, 101, 200401.	2.9	217
15	Transformed dissipation in superconducting quantum circuits. Physical Review B, 2008, 77, .	1.1	38
16	1 Flux Noise in Josephson Phase Qubits. Physical Review Letters, 2007, 99, 187006.	2.9	157
17	Coherent State Evolution in a Superconducting Qubit from Partial-Collapse Measurement. Science, 2006, 312, 1498-1500.	6.0	150
18	State Tomography of Capacitively Shunted Phase Qubits with High Fidelity. Physical Review Letters, 2006, 97, 050502.	2.9	167

#	ARTICLE	IF	CITATIONS
19	Measurement of the Entanglement of Two Superconducting Qubits via State Tomography. Science, 2006, 313, 1423-1425.	6.0	426