Daniel H Slichter

List of Publications by Year
in descending order

30	1,946	331670 21	526287 27
papers	citations	h-index	g-index

31	31	31	1980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resource-Efficient Dissipative Entanglement of Two Trapped-Ion Qubits. Physical Review Letters, 2022, 128, 080502.	7.8	13
2	High-Fidelity Indirect Readout of Trapped-Ion Hyperfine Qubits. Physical Review Letters, 2022, 128, 160503.	7.8	7
3	Microwaves in Quantum Computing. IEEE Journal of Microwaves, 2021, 1, 403-427.	6.5	59
4	Quantum amplification of boson-mediated interactions. Nature Physics, 2021, 17, 898-902.	16.7	39
5	Motional Squeezing for Trapped Ion Transport and Separation. Physical Review Letters, 2021, 127, 083201.	7.8	6
6	High-fidelity laser-free universal control of trapped ion qubits. Nature, 2021, 597, 209-213.	27.8	85
7	State Readout of a Trapped Ion Qubit Using a Trap-Integrated Superconducting Photon Detector. Physical Review Letters, 2021, 126, 010501.	7.8	52
8	Measurement of electric-field noise from interchangeable samples with a trapped-ion sensor. Physical Review A, 2021, 104, .	2.5	2
9	Laser-free trapped-ion entangling gates with simultaneous insensitivity to qubit and motional decoherence. Physical Review A, 2020, 101, .	2.5	18
10	ARTIQ and Sinara: Open Software and Hardware Stacks for Quantum Physics. , 2020, , .		10
11	Versatile laser-free trapped-ion entangling gates. New Journal of Physics, 2019, 21, 033033.	2.9	31
12	Quantum amplification of mechanical oscillator motion. Science, 2019, 364, 1163-1165.	12.6	103
13	Trapped-Ion Spin-Motion Coupling with Microwaves and a Near-Motional Oscillating Magnetic Field Gradient. Physical Review Letters, 2019, 122, 163201.	7.8	36
14	Evidence for multiple mechanisms underlying surface electric-field noise in ion traps. Physical Review A, 2018, 98, .	2.5	31
15	UV-sensitive superconducting nanowire single photon detectors for integration in an ion trap. Optics Express, 2017, 25, 8705.	3.4	40
16	VECSEL systems for the generation and manipulation of trapped magnesium ions. Optica, 2016, 3, 1294.	9.3	22
17	Quantum Zeno effect in the strong measurement regime of circuit quantum electrodynamics. New Journal of Physics, 2016, 18, 053031.	2.9	40
18	Single-frequency 571nm VECSEL for photo-ionization of magnesium. , 2016, , .		1

#	Article	IF	Citations
19	Single-mode optical fiber for high-power, low-loss UV transmission. Optics Express, 2014, 22, 19783.	3.4	52
20	Measurement-Induced Qubit State Mixing in Circuit QED from Up-Converted Dephasing Noise. Physical Review Letters, 2012, 109, 153601.	7.8	88
21	Stabilizing Rabi oscillations in a superconducting qubit using quantum feedback. Nature, 2012, 490, 77-80.	27.8	377
22	Heralded State Preparation in a Superconducting Qubit. Physical Review Letters, 2012, 109, 050506.	7.8	113
23	Dispersive microwave readout for quantum electrical circuits. , 2011, , .		3
24	Dispersive readout of a flux qubit at the single-photon level. Physical Review B, 2011, 84, .	3.2	15
25	Dispersive magnetometry with a quantum limited SQUID parametric amplifier. Physical Review B, 2011, 83, .	3.2	217
26	Observation of Quantum Jumps in a Superconducting Artificial Atom. Physical Review Letters, 2011, 106, 110502.	7.8	293
27	Single crystal silicon capacitors with low microwave loss in the single photon regime. Applied Physics Letters, 2011, 98, .	3.3	41
28	Approaching ideal weak link behavior with three dimensional aluminum nanobridges. Applied Physics Letters, 2010, 96, .	3.3	56
29	Millikelvin thermal and electrical performance of lossy transmission line filters. Applied Physics Letters, 2009, 94, .	3.3	28
30	Calculated signal-to-noise ratio of MRI detected with SQUIDs and Faraday detectors in fields from 10Î¼T to 1.5T. Journal of Magnetic Resonance, 2007, 186, 182-192.	2.1	68