Mollie E Schwartz

List of Publications by Year
in descending order

21 papers	2,555 citations	567144 15 h-index	839398 18 g-index
22 all docs	22 docs citations	22 times ranked	2688 citing authors

#	Article	IF	Citations
1	Superconducting Qubits: Current State of Play. Annual Review of Condensed Matter Physics, 2020, 11, 369-395.	5.2	728
2	Infrared Spectroscopy of Landau Levels of Graphene. Physical Review Letters, 2007, 98, 197403.	2.9	501
3	A nearâ€“quantum-limited Josephson traveling-wave parametric amplifier. Science, 2015, 350, 307-310.	6.0	483
4	Observation of Measurement-Induced Entanglement and Quantum Trajectories of Remote Superconducting Qubits. Physical Review Letters, 2014, 112, 170501.	2.9	206
5	Cyclotron Resonance in Bilayer Graphene. Physical Review Letters, 2008, 100, 087403.	2.9	178
6	Realization of High-Fidelity CZ and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mi>Z</mml:mi></mml:math> -Free iSWAP Gates with a Tunable Coupler. Physical Review X, 2021, 11, .	2.8	103
7	Interaction-Induced Shift of the Cyclotron Resonance of Graphene Using Infrared Spectroscopy. Physical Review Letters, 2010, 104, 067404.	2.9	91
8	Solid-state qubits integrated with superconducting through-silicon vias. Npj Quantum Information, 2020, 6, .	2.8	64
9	Chemical Reaction Fronts in Ordered and Disordered Cellular Flows with Opposing Winds. Physical Review Letters, 2008, 100, 028302.	2.9	35
10	Hexagonal boron nitride as a low-loss dielectric for superconducting quantum circuits and qubits. Nature Materials, 2022, 21, 398-403.	13.3	34
11	Solid-State Qubits: 3D Integration and Packaging. IEEE Microwave Magazine, 2020, 21, 72-85.	0.7	33
12	Quantum Trajectories and Their Statistics for Remotely Entangled Quantum Bits. Physical Review X, 2016, 6, .	2.8	32
13	Quantum transport and localization in 1d and 2d tight-binding lattices. Npj Quantum Information, 2022, 8, .	2.8	20
14	Quantum trajectories of superconducting qubits. Comptes Rendus Physique, 2016, 17, 766-777.	0.3	17
15	Multi-level quantum noise spectroscopy. Nature Communications, 2021, 12, 967.	5.8	16
16	Silicon Hard-Stop Spacers for 3D Integration of Superconducting Qubits. , 2019, , .		4
17	Demonstration of Density Matrix Exponentiation Using a Superconducting Quantum Processor. Physical Review X, 2022, 12, .	2.8	4
18	Pinning and mode-locking of reaction fronts by vortices. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 4558-4563.	1.7	3

#	Article	IF	Citations
19	Towards quantum-noise limited multiplexed microwave readout of qubits. , 2016, , .		2
20	Connecting Qubits with a Topological Waveguide. Physics Magazine, 0, 14, .	0.1	0
21	EXPERIMENTAL STUDIES OF ADVECTION-REACTION-DIFFUSION SYSTEMS. , 2008, , .		0