

Simone Gasparinetti

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,030
citations

279487

23
h-index

264894

42
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docs citations

42
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid High-Fidelity Single-Shot Dispersive Readout of Superconducting Qubits. <i>Physical Review Applied</i> , 2017, 7, .	1.5	200
2	Deterministic quantum state transfer and remote entanglement using microwave photons. <i>Nature</i> , 2018, 558, 264-267.	13.7	175
3	Strong Coupling Cavity QED with Gate-Defined Double Quantum Dots Enabled by a High Impedance Resonator. <i>Physical Review X</i> , 2017, 7, .	2.8	168
4	Rapid High-fidelity Multiplexed Readout of Superconducting Qubits. <i>Physical Review Applied</i> , 2018, 10, .	1.5	145
5	Challenging local realism with human choices. <i>Nature</i> , 2018, 557, 212-216.	13.7	136
6	Fast Electron Thermometry for Ultrasensitive Calorimetric Detection. <i>Physical Review Applied</i> , 2015, 3, .	1.5	105
7	Fast and Unconditional All-Microwave Reset of a Superconducting Qubit. <i>Physical Review Letters</i> , 2018, 121, 060502.	2.9	96
8	Full distribution of work done on a quantum system for arbitrary initial states. <i>Physical Review E</i> , 2015, 92, 042150.	0.8	75
9	Studying light-harvesting models with superconducting circuits. <i>Nature Communications</i> , 2018, 9, 904.	5.8	74
10	Single-Shot Quantum Nondemolition Detection of Individual Itinerant Microwave Photons. <i>Physical Review X</i> , 2018, 8, .	2.8	69
11	Observation of topological Uhlmann phases with superconducting qubits. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	59
12	Heat-exchange statistics in driven open quantum systems. <i>New Journal of Physics</i> , 2014, 16, 115001.	1.2	54
13	Superconducting Switch for Fast On-Chip Routing of Quantum Microwave Fields. <i>Physical Review Applied</i> , 2016, 6, .	1.5	53
14	All-Microwave Control and Dispersive Readout of Gate-Defined Quantum Dot Qubits in Circuit Quantum Electrodynamics. <i>Physical Review Letters</i> , 2019, 122, 206802.	2.9	44
15	Geometric Landau-Zener Interferometry. <i>Physical Review Letters</i> , 2011, 107, 207002.	2.9	43
16	Coherent microwave-photon-mediated coupling between a semiconductor and a superconducting qubit. <i>Nature Communications</i> , 2019, 10, 3011.	5.8	40
17	Probing quantum interference effects in the work distribution. <i>Physical Review A</i> , 2016, 94, .	1.0	38
18	Observation of the Crossover from Photon Ordering to Delocalization in Tunably Coupled Resonators. <i>Physical Review Letters</i> , 2019, 122, 183601.	2.9	35

#	ARTICLE	IF	CITATIONS
19	Incomplete measurement of work in a dissipative two level system. <i>New Journal of Physics</i> , 2015, 17, 055014.	1.2	33
20	Universal Gate Set for Continuous-Variable Quantum Computation with Microwave Circuits. <i>Physical Review Letters</i> , 2020, 125, 160501.	2.9	33
21	Quantum Communication with Time-Bin Encoded Microwave Photons. <i>Physical Review Applied</i> , 2019, 12, .	1.5	29
22	Correlations and Entanglement of Microwave Photons Emitted in a Cascade Decay. <i>Physical Review Letters</i> , 2017, 119, 140504.	2.9	28
23	High quality three-dimensional aluminum microwave cavities. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	27
24	Probing the local temperature of a two-dimensional electron gas microdomain with a quantum dot: Measurement of electron-phonon interaction. <i>Physical Review B</i> , 2011, 83, .	1.1	24
25	Environment-Governed Dynamics in Driven Quantum Systems. <i>Physical Review Letters</i> , 2013, 110, 150403.	2.9	23
26	A Josephson radiation comb generator. <i>Scientific Reports</i> , 2015, 5, 12260.	1.6	20
27	Measurement of a vacuum-induced geometric phase. <i>Science Advances</i> , 2016, 2, e1501732.	4.7	20
28	Parity Detection of Propagating Microwave Fields. <i>Physical Review X</i> , 2020, 10, .	2.8	20
29	Characterizing decoherence rates of a superconducting qubit by direct microwave scattering. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	20
30	Robust Preparation of Wigner-Negative States with Optimized SNAP-Displacement Sequences. <i>PRX Quantum</i> , 2022, 3, .	3.5	19
31	Primary Thermometry of Propagating Microwaves in the Quantum Regime. <i>Physical Review X</i> , 2020, 10, .	2.8	18
32	Single Cooper-pair pumping in the adiabatic limit and beyond. <i>Physical Review B</i> , 2012, 86, .	1.1	16
33	Nongalvanic thermometry for ultracold two-dimensional electron domains. <i>Applied Physics Letters</i> , 2012, 100, 253502.	1.5	15
34	Lamb-Shift Enhancement and Detection in Strongly Driven Superconducting Circuits. <i>Physical Review Letters</i> , 2014, 113, 027001.	2.9	13
35	Propagating Wigner-Negative States Generated from the Steady-State Emission of a Superconducting Qubit. <i>Physical Review Letters</i> , 2021, 126, 253602.	2.9	12
36	Nongalvanic primary thermometry of a two-dimensional electron gas. <i>Physical Review B</i> , 2013, 88, .	1.1	10

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37	Two-photon resonance fluorescence of a ladder-type atomic system. <i>Physical Review A</i> , 2019, 100, .	1.0	10
38	Capacitively Enhanced Thermal Escape in Underdamped Josephson Junctions. <i>Journal of Low Temperature Physics</i> , 2011, 163, 164-169.	0.6	9
39	Steady-State Heat Transport and Work With a Single Artificial Atom Coupled to a Waveguide: Emission Without External Driving. <i>PRX Quantum</i> , 2022, 3, .	3.5	7
40	Markovian heat sources with the smallest heat capacity. <i>New Journal of Physics</i> , 2018, 20, 063030.	1.2	6
41	Coherent Cooper-pair pumping by magnetic flux control. <i>Physical Review B</i> , 2012, 86, .	1.1	5