

# Simone Gasparinetti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5859832/publications.pdf>

Version: 2024-02-01

41  
papers

2,030  
citations

279487

23  
h-index

264894

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steady-State Heat Transport and Work With a Single Artificial Atom Coupled to a Waveguide: Emission Without External Driving. PRX Quantum, 2022, 3, .	3.5	7
2	Robust Preparation of Wigner-Negative States with Optimized SNAP-Displacement Sequences. PRX Quantum, 2022, 3, .	3.5	19
3	Characterizing decoherence rates of a superconducting qubit by direct microwave scattering. Npj Quantum Information, 2021, 7, .	2.8	20
4	Propagating Wigner-Negative States Generated from the Steady-State Emission of a Superconducting Qubit. Physical Review Letters, 2021, 126, 253602.	2.9	12
5	Universal Gate Set for Continuous-Variable Quantum Computation with Microwave Circuits. Physical Review Letters, 2020, 125, 160501.	2.9	33
6	High quality three-dimensional aluminum microwave cavities. Applied Physics Letters, 2020, 117, .	1.5	27
7	Primary Thermometry of Propagating Microwaves in the Quantum Regime. Physical Review X, 2020, 10, .	2.8	18
8	Parity Detection of Propagating Microwave Fields. Physical Review X, 2020, 10, .	2.8	20
9	Coherent microwave-photon-mediated coupling between a semiconductor and a superconducting qubit. Nature Communications, 2019, 10, 3011.	5.8	40
10	Quantum Communication with Time-Bin Encoded Microwave Photons. Physical Review Applied, 2019, 12, .	1.5	29
11	Two-photon resonance fluorescence of a ladder-type atomic system. Physical Review A, 2019, 100, .	1.0	10
12	All-Microwave Control and Dispersive Readout of Gate-Defined Quantum Dot Qubits in Circuit Quantum Electrodynamics. Physical Review Letters, 2019, 122, 206802.	2.9	44
13	Observation of the Crossover from Photon Ordering to Delocalization in Tunably Coupled Resonators. Physical Review Letters, 2019, 122, 183601.	2.9	35
14	Studying light-harvesting models with superconducting circuits. Nature Communications, 2018, 9, 904.	5.8	74
15	Single-Shot Quantum Nondemolition Detection of Individual Itinerant Microwave Photons. Physical Review X, 2018, 8, .	2.8	69
16	Observation of topological Uhlmann phases with superconducting qubits. Npj Quantum Information, 2018, 4, .	2.8	59
17	Rapid High-fidelity Multiplexed Readout of Superconducting Qubits. Physical Review Applied, 2018, 10, .	1.5	145
18	Fast and Unconditional All-Microwave Reset of a Superconducting Qubit. Physical Review Letters, 2018, 121, 060502.	2.9	96

#	ARTICLE	IF	CITATIONS
19	Challenging local realism with human choices. <i>Nature</i> , 2018, 557, 212-216.	13.7	136
20	Deterministic quantum state transfer and remote entanglement using microwave photons. <i>Nature</i> , 2018, 558, 264-267.	13.7	175
21	Markovian heat sources with the smallest heat capacity. <i>New Journal of Physics</i> , 2018, 20, 063030.	1.2	6
22	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
23	Correlations and Entanglement of Microwave Photons Emitted in a Cascade Decay. <i>Physical Review Letters</i> , 2017, 119, 140504.	2.9	28
24	Rapid High-Fidelity Single-Shot Dispersive Readout of Superconducting Qubits. <i>Physical Review Applied</i> , 2017, 7, .	1.5	200
25	Probing quantum interference effects in the work distribution. <i>Physical Review A</i> , 2016, 94, .	1.0	38
26	Superconducting Switch for Fast On-Chip Routing of Quantum Microwave Fields. <i>Physical Review Applied</i> , 2016, 6, .	1.5	53
27	Measurement of a vacuum-induced geometric phase. <i>Science Advances</i> , 2016, 2, e1501732.	4.7	20
28	Full distribution of work done on a quantum system for arbitrary initial states. <i>Physical Review E</i> , 2015, 92, 042150.	0.8	75
29	Fast Electron Thermometry for Ultrasensitive Calorimetric Detection. <i>Physical Review Applied</i> , 2015, 3, .	1.5	105
30	A Josephson radiation comb generator. <i>Scientific Reports</i> , 2015, 5, 12260.	1.6	20
31	Incomplete measurement of work in a dissipative two level system. <i>New Journal of Physics</i> , 2015, 17, 055014.	1.2	33
32	Heat-exchange statistics in driven open quantum systems. <i>New Journal of Physics</i> , 2014, 16, 115001.	1.2	54
33	Lamb-Shift Enhancement and Detection in Strongly Driven Superconducting Circuits. <i>Physical Review Letters</i> , 2014, 113, 027001.	2.9	13
34	Nongalvanic primary thermometry of a two-dimensional electron gas. <i>Physical Review B</i> , 2013, 88, .	1.1	10
35	Environment-Governed Dynamics in Driven Quantum Systems. <i>Physical Review Letters</i> , 2013, 110, 150403.	2.9	23
36	Coherent Cooper-pair pumping by magnetic flux control. <i>Physical Review B</i> , 2012, 86, .	1.1	5

#	ARTICLE	IF	CITATIONS
37	Nongalvanic thermometry for ultracold two-dimensional electron domains. Applied Physics Letters, 2012, 100, 253502.	1.5	15
38	Single Cooper-pair pumping in the adiabatic limit and beyond. Physical Review B, 2012, 86, .	1.1	16
39	Geometric Landau-Zener Interferometry. Physical Review Letters, 2011, 107, 207002.	2.9	43
40	Capacitively Enhanced Thermal Escape in Underdamped Josephson Junctions. Journal of Low Temperature Physics, 2011, 163, 164-169.	0.6	9
41	Probing the local temperature of a two-dimensional electron gas microdomain with a quantum dot: Measurement of electron-phonon interaction. Physical Review B, 2011, 83, .	1.1	24