

# Luigi Frunzio

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166  
papers

16,867  
citations

61  
h-index

129  
g-index

173  
ext. papers

19,564  
ext. citations

10.9  
avg, IF

6.16  
L-index

#	Paper	IF	Citations
166	Frequency-tunable Kerr-free three-wave mixing with a gradiometric SNAIL. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 184002	3.4	1
165	Single-shot number-resolved detection of microwave photons with error mitigation. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
164	Error-Detected State Transfer and Entanglement in a Superconducting Quantum Network. <i>PRX Quantum</i> , <b>2021</b> , 2,	6.1	4
163	High coherence superconducting microwave cavities with indium bump bonding. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 154002	3.4	11
162	Efficient Multiphoton Sampling of Molecular Vibronic Spectra on a Superconducting Bosonic Processor. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	28
161	Error-corrected gates on an encoded qubit. <i>Nature Physics</i> , <b>2020</b> , 16, 822-826	16.2	20
160	Free-standing silicon shadow masks for transmon qubit fabrication. <i>AIP Advances</i> , <b>2020</b> , 10, 065120	1.5	7
159	High-Fidelity Measurement of Qubits Encoded in Multilevel Superconducting Circuits. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	21
158	Quantum error correction of a qubit encoded in grid states of an oscillator. <i>Nature</i> , <b>2020</b> , 584, 368-372	50.4	86
157	Gated Conditional Displacement Readout of Superconducting Qubits. <i>Physical Review Letters</i> , <b>2019</b> , 122, 080502	7.4	37
156	Direct Dispersive Monitoring of Charge Parity in Offset-Charge-Sensitive Transmons. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	33
155	Entanglement of bosonic modes through an engineered exchange interaction. <i>Nature</i> , <b>2019</b> , 566, 509-512	50.4	47
154	On-demand quantum state transfer and entanglement between remote microwave cavity memories. <i>Nature Physics</i> , <b>2018</b> , 14, 705-710	16.2	82
153	A CNOT gate between multiphoton qubits encoded in two cavities. <i>Nature Communications</i> , <b>2018</b> , 9, 652	17.4	61
152	Coherent Oscillations inside a Quantum Manifold Stabilized by Dissipation. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	39
151	Fault-tolerant detection of a quantum error. <i>Science</i> , <b>2018</b> , 361, 266-270	33.3	65
150	RETICULA: Real-time code quality assessment <b>2018</b> ,		1

149	Creation and control of multi-phonon Fock states in a bulk acoustic-wave resonator. <i>Nature</i> , <b>2018</b> , 563, 666-670	50.4	100
148	Hot Nonequilibrium Quasiparticles in Transmon Qubits. <i>Physical Review Letters</i> , <b>2018</b> , 121, 157701	7.4	62
147	Deterministic teleportation of a quantum gate between two logical qubits. <i>Nature</i> , <b>2018</b> , 561, 368-373	50.4	86
146	Deterministic Remote Entanglement of Superconducting Circuits through Microwave Two-Photon Transitions. <i>Physical Review Letters</i> , <b>2018</b> , 120, 200501	7.4	62
145	Driving Forbidden Transitions in the Fluxonium Artificial Atom. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	14
144	Simultaneous Monitoring of Fluxonium Qubits in a Waveguide. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	19
143	Programmable Interference between Two Microwave Quantum Memories. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	27
142	Fluxonium-Based Artificial Molecule with a Tunable Magnetic Moment. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	22
141	Quantum acoustics with superconducting qubits. <i>Science</i> , <b>2017</b> , 358, 199-202	33.3	176
140	Implementing a universal gate set on a logical qubit encoded in an oscillator. <i>Nature Communications</i> , <b>2017</b> , 8, 94	17.4	110
139	Micromachined Integrated Quantum Circuit Containing a Superconducting Qubit. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	16
138	Controlled release of multiphoton quantum states from a microwave cavity memory. <i>Nature Physics</i> , <b>2017</b> , 13, 882-887	16.2	67
137	Continuous Quantum Nondemolition Measurement of the Transverse Component of a Qubit. <i>Physical Review Letters</i> , <b>2016</b> , 117, 133601	7.4	23
136	Extending the lifetime of a quantum bit with error correction in superconducting circuits. <i>Nature</i> , <b>2016</b> , 536, 441-5	50.4	379
135	Quantum memory with millisecond coherence in circuit QED. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	146
134	Comparing and Combining Measurement-Based and Driven-Dissipative Entanglement Stabilization*. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	40
133	Planar Multilayer Circuit Quantum Electrodynamics. <i>Physical Review Applied</i> , <b>2016</b> , 5,	4.3	27
132	Multilayer microwave integrated quantum circuits for scalable quantum computing. <i>Npj Quantum Information</i> , <b>2016</b> , 2,	8.6	92

131	An architecture for integrating planar and 3D cQED devices. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 042601	3.4	35
130	Quantization of inductively shunted superconducting circuits. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	20
129	Suspending superconducting qubits by silicon micromachining. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 112601	3.4	22
128	Implementing and Characterizing Precise Multiqubit Measurements. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	22
127	A Schrödinger cat living in two boxes. <i>Science</i> , <b>2016</b> , 352, 1087-91	33.3	160
126	Robust Concurrent Remote Entanglement Between Two Superconducting Qubits. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	61
125	Cavity State Manipulation Using Photon-Number Selective Phase Gates. <i>Physical Review Letters</i> , <b>2015</b> , 115, 137002	7.4	78
124	Single-Photon-Resolved Cross-Kerr Interaction for Autonomous Stabilization of Photon-Number States. <i>Physical Review Letters</i> , <b>2015</b> , 115, 180501	7.4	52
123	Surface participation and dielectric loss in superconducting qubits. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 162601	3.4	102
122	Characterizing entanglement of an artificial atom and a cavity cat state with Bell's inequality. <i>Nature Communications</i> , <b>2015</b> , 6, 8970	17.4	29
121	Demonstration of superconducting micromachined cavities. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 192603	3.4	31
120	Reconfigurable Josephson Circulator/Directional Amplifier. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	117
119	Quantum engineering. Confining the state of light to a quantum manifold by engineered two-photon loss. <i>Science</i> , <b>2015</b> , 347, 853-7	33.3	223
118	Josephson directional amplifier for quantum measurement of superconducting circuits. <i>Physical Review Letters</i> , <b>2014</b> , 112, 167701	7.4	61
117	Tracking photon jumps with repeated quantum non-demolition parity measurements. <i>Nature</i> , <b>2014</b> , 511, 444-8	50.4	151
116	Non-Poissonian quantum jumps of a fluxonium qubit due to quasiparticle excitations. <i>Physical Review Letters</i> , <b>2014</b> , 113, 247001	7.4	71
115	Wireless Josephson amplifier. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 232605	3.4	10
114	Measurement and control of quasiparticle dynamics in a superconducting qubit. <i>Nature Communications</i> , <b>2014</b> , 5, 5836	17.4	88

113	Deterministically encoding quantum information using 100-photon Schrödinger cat states. <i>Science</i> , <b>2013</b> , 342, 607-10	33.3	339
112	Autonomously stabilized entanglement between two superconducting quantum bits. <i>Nature</i> , <b>2013</b> , 504, 419-22	50.4	210
111	Reaching 10 ms single photon lifetimes for superconducting aluminum cavities. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 192604	3.4	126
110	Observation of quantum state collapse and revival due to the single-photon Kerr effect. <i>Nature</i> , <b>2013</b> , 495, 205-9	50.4	304
109	Directional Amplification with a Josephson Circuit. <i>Physical Review X</i> , <b>2013</b> , 3,	9.1	51
108	Quantum back-action of an individual variable-strength measurement. <i>Science</i> , <b>2013</b> , 339, 178-81	33.3	178
107	Full coherent frequency conversion between two propagating microwave modes. <i>Physical Review Letters</i> , <b>2013</b> , 110, 173902	7.4	47
106	Demonstrating a driven reset protocol for a superconducting qubit. <i>Physical Review Letters</i> , <b>2013</b> , 110, 120501	7.4	118
105	Realization of three-qubit quantum error correction with superconducting circuits. <i>Nature</i> , <b>2012</b> , 482, 382-5	50.4	404
104	Improving the quality factor of microwave compact resonators by optimizing their geometrical parameters. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 192601	3.4	65
103	Black-box superconducting circuit quantization. <i>Physical Review Letters</i> , <b>2012</b> , 108, 240502	7.4	166
102	Measurements of quasiparticle tunneling dynamics in a band-gap-engineered transmon qubit. <i>Physical Review Letters</i> , <b>2012</b> , 108, 230509	7.4	63
101	Photon shot noise dephasing in the strong-dispersive limit of circuit QED. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	78
100	Two-mode correlation of microwave quantum noise generated by parametric down-conversion. <i>Physical Review Letters</i> , <b>2012</b> , 108, 123902	7.4	31
99	Mesoscopic resistor as a self-calibrating quantum noise source. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 203503.	3.4	1
98	Observation of high coherence in Josephson junction qubits measured in a three-dimensional circuit QED architecture. <i>Physical Review Letters</i> , <b>2011</b> , 107, 240501	7.4	696
97	Quasiparticle relaxation of superconducting qubits in the presence of flux. <i>Physical Review Letters</i> , <b>2011</b> , 106, 077002	7.4	92
96	Phase-preserving amplification near the quantum limit with a Josephson ring modulator. <i>Nature</i> , <b>2010</b> , 465, 64-8	50.4	294

95	Preparation and measurement of three-qubit entanglement in a superconducting circuit. <i>Nature</i> , <b>2010</b> , 467, 574-8	50.4	418
94	Quantum non-demolition detection of single microwave photons in a circuit. <i>Nature Physics</i> , <b>2010</b> , 6, 663-667	16.2	191
93	High-fidelity readout in circuit quantum electrodynamics using the Jaynes-Cummings nonlinearity. <i>Physical Review Letters</i> , <b>2010</b> , 105, 173601	7.4	189
92	Fast reset and suppressing spontaneous emission of a superconducting qubit. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 203110	3.4	150
91	Reset dynamics and latching in niobium superconducting nanowire single-photon detectors. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 084507	2.5	72
90	Energy resolution of terahertz single-photon-sensitive bolometric detectors. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 083505	3.4	24
89	Tunable superconducting nanoinductors. <i>Nanotechnology</i> , <b>2010</b> , 21, 445202	3.4	109
88	High-cooperativity coupling of electron-spin ensembles to superconducting cavities. <i>Physical Review Letters</i> , <b>2010</b> , 105, 140501	7.4	334
87	Optimized driving of superconducting artificial atoms for improved single-qubit gates. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	107
86	Detecting highly entangled states with a joint qubit readout. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	72
85	Randomized benchmarking and process tomography for gate errors in a solid-state qubit. <i>Physical Review Letters</i> , <b>2009</b> , 102, 090502	7.4	148
84	Demonstration of two-qubit algorithms with a superconducting quantum processor. <i>Nature</i> , <b>2009</b> , 460, 240-4	50.4	773
83	Niobium Superconducting Nanowire Single-Photon Detectors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 327-331	1.8	36
82	Characterization of Terahertz Single-Photon-Sensitive Bolometric Detectors Using a Pulsed Microwave Technique <b>2009</b> ,		1
81	Suppressing charge noise decoherence in superconducting charge qubits. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	347
80	Controlling the spontaneous emission of a superconducting transmon qubit. <i>Physical Review Letters</i> , <b>2008</b> , 101, 080502	7.4	269
79	Observation of Berry's phase in a solid-state qubit. <i>Science</i> , <b>2007</b> , 318, 1889-92	33.3	278
78	Resolving photon number states in a superconducting circuit. <i>Nature</i> , <b>2007</b> , 445, 515-8	50.4	571

77	Generating single microwave photons in a circuit. <i>Nature</i> , <b>2007</b> , 449, 328-31	50.4	321
76	Coupling superconducting qubits via a cavity bus. <i>Nature</i> , <b>2007</b> , 449, 443-7	50.4	940
75	Ultrasensitive Quantum-Limited Far-Infrared STJ Detectors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 241-245	1.8	7
74	A far-infrared Fourier transform spectrometer with an antenna-coupled niobium bolometer. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, S398-S402	3.1	10
73	Measuring the decoherence of a qutrit qubit with the cavity bifurcation amplifier. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	52
72	Superconducting microbolometers for time-resolved terahertz spectroscopy <b>2007</b> ,		1
71	Sideband transitions and two-tone spectroscopy of a superconducting qubit strongly coupled to an on-chip cavity. <i>Physical Review Letters</i> , <b>2007</b> , 99, 050501	7.4	75
70	Enhancing the Energy Resolution of a Single Photon STJ Spectrometer Using Diffusion Engineering. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 324-327	1.8	4
69	Niobium Hot Electron Bolometer Development for a Submillimeter Heterodyne Array Camera. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 403-406	1.8	7
68	Superconducting niobium nanowire single photon detectors <b>2006</b> , 6372, 239		8
67	Dispersive measurements of superconducting qubit coherence with a fast latching readout. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	112
66	Qubit-photon interactions in a cavity: Measurement-induced dephasing and number splitting. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	207
65	Quasiparticle dynamics and a new, high-resolution readout of STJ photon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2006</b> , 559, 676-679	1.2	5
64	The Josephson Bifurcation Amplifier for Quantum Measurements <b>2006</b> , 28-37		1
63	Approaching unit visibility for control of a superconducting qubit with dispersive readout. <i>Physical Review Letters</i> , <b>2005</b> , 95, 060501	7.4	386
62	Fabrication and characterization of superconducting circuit QED devices for quantum computation. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 860-863	1.8	125
61	ac Stark shift and dephasing of a superconducting qubit strongly coupled to a cavity field. <i>Physical Review Letters</i> , <b>2005</b> , 94, 123602	7.4	287
60	Diffusion-engineered quasiparticle multiplication for STJ single photon detectors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 609-612	1.8	2

59	Direct observation of dynamical bifurcation between two driven oscillation states of a Josephson junction. <i>Physical Review Letters</i> , <b>2005</b> , 94, 027005	7.4	129
58	Dynamics and energy distribution of nonequilibrium quasiparticles in superconducting tunnel junctions. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	15
57	RF-driven Josephson bifurcation amplifier for quantum measurement. <i>Physical Review Letters</i> , <b>2004</b> , 93, 207002	7.4	258
56	Diffusion-engineered single-photon spectrometer for UV/visible detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 520, 237-239	1.2	8
55	Strong coupling of a single photon to a superconducting qubit using circuit quantum electrodynamics. <i>Nature</i> , <b>2004</b> , 431, 162-7	50.4	2755
54	Superconducting tunnel junction detectors for extreme ultraviolet applications. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 1120-1123	1.8	9
53	Physical properties of the superconducting Ta film absorber of an X-ray photon detector. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 1124-1127	1.8	2
52	Quasiparticle nonequilibrium dynamics in a superconducting Ta film. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 1137-1141	2.5	21
51	Annular superconducting tunnel junction detectors: Experimental results under X-ray illumination <b>2002</b> ,		1
50	Approaching intrinsic resolution limits in optical/UV superconducting tunnel junction detectors <b>2002</b> ,		1
49	Aluminum Superconducting Tunnel Junction as X-ray detector: Technological aspects and phonon decoupling from the substrate <b>2002</b> ,		2
48	Spatial uniformity of single photon 1-D imaging detectors using superconducting tunnel junctions <b>2002</b> ,		3
47	A new noise source in superconducting tunnel junction photon detectors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2001</b> , 11, 645-648	1.8	8
46	X-ray single photon 1-D imaging spectrometers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2001</b> , 11, 685-687	1.8	13
45	Detection of single x-ray photons by an annular superconducting tunnel junction. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2103-2105	3.4	8
44	Time-resolved measurements of thermodynamic fluctuations of the particle number in a nondegenerate Fermi gas. <i>Physical Review Letters</i> , <b>2001</b> , 87, 067004	7.4	48
43	Improved energy resolution of x-ray single photon imaging spectrometers using superconducting tunnel junctions. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 3645-3647	2.5	22
42	Quasiparticle diffusion and edge losses in superconducting tunnel junction detectors with two active electrodes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 444, 15-18	1.2	7



41	Single-photon 2-D imaging X-ray spectrometer employing trapping with four tunnel junctions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 444, 228-231	1.2	2
40	Optical/UV single-photon imaging spectrometers using superconducting tunnel junctions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 444, 449-452	1.2	15
39	Annular Josephson junctions for radiation detection: fabrication and investigation of the magnetic behaviour. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 444, 476-479	1.2	1
38	Noise mechanisms in superconducting tunnel-junction detectors. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3998-4000	3.4	27
37	Magnetic properties of annular Josephson junctions for radiation detection: Experimental results. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 3389-3391	3.4	18
36	Quasiparticle diffusion, edge losses, and back-tunneling in superconducting tunnel junctions under x-ray irradiation. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 4580-4587	2.5	17
35	Abrikosov Monopole Vortices and Their Images in a Circular Josephson Tunnel Junction. <i>International Journal of Modern Physics B</i> , <b>1999</b> , 13, 1265-1270	1.1	1
34	Effects of Quasiparticle Diffusion in Nb-Based Superconducting Tunnel Junctions Under X-Rays Irradiation. <i>International Journal of Modern Physics B</i> , <b>1999</b> , 13, 1247-1252	1.1	
33	Traversal Time in Josephson Junctions. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>1999</b> , 12, 829-833		8
32	Development of radiation-hard particle detectors using Josephson tunnel junctions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1998</b> , 61, 570-575		1
31	A hotspot size estimate technique by using Abrikosov vortices in Josephson tunnel junctions. <i>Applied Superconductivity</i> , <b>1998</b> , 6, 331-335		
30	Traversal Time as Deduced from Decay Time Measurements in Josephson Junctions. <i>Physica Scripta</i> , <b>1998</b> , 58, 538-542	2.6	9
29	Radiation Hardness of Josephson Devices. <i>Japanese Journal of Applied Physics</i> , <b>1998</b> , 37, 40	1.4	5
28	Effect of intense proton irradiation on properties of Josephson devices. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1997</b> , 7, 2917-2920	1.8	14
27	Experimental estimation of the hot spot size in Nb-based Josephson tunnel junctions using Abrikosov vortices. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 5024-5029	2.5	9
26	The effective dissipation in Nb/AlO <sub>x</sub> /Nb Josephson tunnel junctions by return current measurements. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 7418-7426	2.5	10
25	Sidelobe suppression in arbitrarily shaped quadrangle Josephson junctions. <i>Journal of Low Temperature Physics</i> , <b>1997</b> , 106, 359-364	1.3	1
24	Proton damage on Nb-based Josephson junctions. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1997</b> , 19, 1397-1404		1

23	Fabrication of high-quality Josephson junctions for applications as particle detectors. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1997</b> , 19, 1405-1409		
22	Estimation of $\mu$ particle induced hot spot size in Nb film using Abrikosov vortices. <i>European Physical Journal D</i> , <b>1996</b> , 46, 2881-2882		
21	Investigation of Fiske steps of a Josephson tunnel junction with trapped Abrikosov vortices. <i>European Physical Journal D</i> , <b>1996</b> , 46, 685-686		
20	X-ray response of STJ detectors using NbN absorbing layers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 370, 95-97	1.2	
19	Direct measurements of relaxation time scales in Josephson junctions. <i>Solid State Communications</i> , <b>1996</b> , 97, 439-444	1.6	6
18	Superconductive tunnel junction detectors: ten years ago, ten years from now. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 370, 26-30	1.2	10
17	Switching dynamics of Nb/AlOx/Nb Josephson junctions: Measurements for an experiment of macroscopic quantum coherence. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 2922-2928	2.5	24
16	On the magnetic field dependence of the critical current in small irregular polygonal Josephson junctions. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 3401-3407	2.5	7
15	Influence of a NbN overlayer on Nb/AlAlOx/Nb high quality Josephson tunnel junctions for x-ray detection. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 3340-3342	3.4	4
14	X ray response of STJs detectors with different trapping layers: Preliminary results. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1995</b> , 44, 682-687		0
13	Two-particle structures in high quality Nb/AlOx/Nb Josephson tunnel junctions. <i>Physica B: Condensed Matter</i> , <b>1994</b> , 194-196, 1681-1682	2.8	
12	Set up of a nuclear radiation experiment with superconducting tunnel junctions in a compact $^3\text{He}$ cryostat. <i>Cryogenics</i> , <b>1994</b> , 34, 243-246	1.8	1
11	Investigation of subgap structures in high-quality Nb/AlOx/Nb tunnel junctions. <i>Physical Review B</i> , <b>1994</b> , 49, 429-440	3.3	18
10	Nb-based Josephson junction devices for nuclear radiation detection: Design and preliminary experimental results. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 5210-5217	2.5	16
9	A New Fabrication Process of Superconducting Nb Tunnel Junctions with Ultralow Leakage Current for X-Ray Detection. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 4535-4537	1.4	29
8	X-ray detection by Nb STJs above 1.4 K. <i>Journal of Low Temperature Physics</i> , <b>1993</b> , 93, 691-696	1.3	2
7	High quality Nb-based junctions for superconductive detectors. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1993</b> , 32, 300-306		1
6	High-resolution energy spectroscopy and superconductive Tunnel Junction <b>1993</b> , 16, 735-742		1

- 5 Investigation of low-temperature I-V curves of high-quality Nb/Al-AlO<sub>x</sub>/Nb Josephson junctions. *Journal of Applied Physics*, **1992**, 71, 1888-1892 2.5 35
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