

Teun M Klapwijk

List of Publications by Year in descending order

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349
papers

19,837
citations

13827

67
h-index

12910

131
g-index

351
all docs

351
docs citations

351
times ranked

12382
citing authors

#	ARTICLE	IF	CITATIONS
1	Directional electron filtering at a superconductor-semiconductor interface. <i>Physical Review B</i> , 2021, 103, .	1.1	4
2	Free-Space Subterahertz-Field Polarization Controlled by Selection of Waveguide Modes. <i>Physical Review Applied</i> , 2021, 16, .	1.5	0
3	Dependence of Photon Detection Efficiency on Normal-State Sheet Resistance in Marginally Superconducting Films of NbN. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.1	5
4	Direct evidence for Cooper pairing without a spectral gap in a disordered superconductor above T_c . <i>Science</i> , 2021, 374, 608-611.	6.0	23
5	Quantum breakdown of superconductivity in low-dimensional materials. <i>Nature Physics</i> , 2020, 16, 734-746.	6.5	80
6	Analysis of a single-mode waveguide at sub-terahertz frequencies as a communication channel. <i>AIP Advances</i> , 2020, 10, 015008.	0.6	3
7	DESHIMA on ASTE: On-Sky Responsivity Calibration of the Integrated Superconducting Spectrometer. <i>Journal of Low Temperature Physics</i> , 2020, 199, 231-239.	0.6	9
8	Local Electrodynamics of a Disordered Conductor Model System Measured with a Microwave Impedance Microscope. <i>Physical Review Applied</i> , 2020, 13, .	1.5	1
9	First light demonstration of the integrated superconducting spectrometer. <i>Nature Astronomy</i> , 2019, 3, 989-996.	4.2	36
10	Shielded cantilever with on-chip interferometer circuit for THz scanning probe impedance microscopy. <i>Review of Scientific Instruments</i> , 2019, 90, 113701.	0.6	1
11	Wideband on-chip terahertz spectrometer based on a superconducting filterbank. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.0	30
12	Microwave Studies of the Fractional Josephson Effect in HgTe-Based Josephson Junctions. <i>Springer Series in Solid-state Sciences</i> , 2018, , 115-148.	0.3	5
13	Superconductivity in the presence of microwaves: Full phase diagram. <i>Physical Review B</i> , 2018, 97, .	1.1	23
14	Hybrid rf SQUID qubit based on high kinetic inductance. <i>Scientific Reports</i> , 2018, 8, 10033.	1.6	26
15	Transport regimes of a split gate superconducting quantum point contact in the two-dimensional LaAlO ₃ /SrTiO ₃ superfluid. <i>Nature Communications</i> , 2018, 9, 2276.	5.8	23
16	Josephson Parametric Reflection Amplifier with Integrated Directionality. <i>Physical Review Applied</i> , 2018, 9, .	1.5	10
17	Reactive Magnetron Sputter Deposition of Superconducting Niobium Titanium Nitride Thin Films With Different Target Sizes. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.1	15
18	Superconducting NbTiN Thin Films With Highly Uniform Properties Over a \varnothing 100 mm Wafer. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.1	39

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19	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , 2017, 118, 117001.	2.9	44
20	Slow Electron-Phonon Cooling in Superconducting Diamond Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.1	4
21	Transport spectroscopy of induced superconductivity in the three-dimensional topological insulator HgTe. <i>Physical Review B</i> , 2017, 96, .	1.1	32
22	Josephson junction dynamics in the presence of 2π - and 4π -periodic supercurrents. <i>Physical Review B</i> , 2017, 95, .	1.1	57
23	Transport Properties of an Electron-Hole Bilayer in Contact with a Superconductor Hybrid Junction. <i>Physical Review Letters</i> , 2017, 119, 067001.	2.9	5
24	Gapless Andreev bound states in the quantum spin Hall insulator HgTe. <i>Nature Nanotechnology</i> , 2017, 12, 137-143.	15.6	237
25	Engineering Physics of Superconducting Hot-Electron Bolometer Mixers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 627-648.	2.0	29
26	Performance of THz Components Based on Microstrip PECVD SiNx Technology. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 765-771.	2.0	3
27	Branchline and directional THz coupler based on PECVD SiNx-technology. , 2016, , .		1
28	Nonequilibrium interpretation of DC properties of NbN superconducting hot electron bolometers. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	13
29	Superconducting Coplanar Waveguide Filters for Submillimeter Wave On-Chip Filterbank Spectrometers. <i>Journal of Low Temperature Physics</i> , 2016, 184, 412-417.	0.6	3
30	Relaxation of the resistive superconducting state in boron-doped diamond films. <i>Physical Review B</i> , 2016, 93, .	1.1	9
31	Coherent Excited States in Superconductors due to a Microwave Field. <i>Physical Review Letters</i> , 2016, 117, 047002.	2.9	44
32	4π -periodic Josephson supercurrent in HgTe-based topological Josephson junctions. <i>Nature Communications</i> , 2016, 7, 10303.	5.8	301
33	Spatial conductivity mapping of unprotected and capped black phosphorus using microwave microscopy. <i>2D Materials</i> , 2016, 3, 021002.	2.0	31
34	The non-equilibrium response of a superconductor to pair-breaking radiation measured over a broad frequency band. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	13
35	The ALMA Band 9 receiver. <i>Astronomy and Astrophysics</i> , 2015, 577, A129.	2.1	55
36	Ballistic Josephson junctions in edge-contacted graphene. <i>Nature Nanotechnology</i> , 2015, 10, 761-764.	15.6	194

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37	Electronic Transport and Possible Superconductivity at Van Hove Singularities in Carbon Nanotubes. Nano Letters, 2015, 15, 7859-7866.	4.5	16
38	Superconducting molybdenum-rhenium electrodes for single-molecule transport studies. Applied Physics Letters, 2015, 106, .	1.5	9
39	NbN Hot-Electron-Bolometer Mixer for Operation in the Near-IR Frequency Range. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	8
40	Electron-Phonon Energy Relaxation Time in Thin Strongly Disordered Titanium Nitride Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	6
41	Direct observation of ballistic Andreev reflection. Journal of Experimental and Theoretical Physics, 2014, 119, 997-1017.	0.2	11
42	Large format antenna coupled microwave kinetic inductance detector arrays for radioastronomy. , 2014, , .		4
43	A 4.7THz heterodyne receiver for a balloon borne telescope. Proceedings of SPIE, 2014, , .	0.8	7
44	Demonstration of an NEP of 3.8×10^{-19} W/Hz ^{1/2} at 1.54 THz in multiplexible superconducting microresonator detectors. , 2014, , .		0
45	Equivalence of optical and electrical noise equivalent power of hybrid NbTiN-Al microwave kinetic inductance detectors. Applied Physics Letters, 2014, 105, .	1.5	14
46	Heterodyne detection at near-infrared wavelengths with a superconducting NbN hot-electron bolometer mixer. Optics Letters, 2014, 39, 1429.	1.7	13
47	Fluctuations in the electron system of a superconductor exposed to a photon flux. Nature Communications, 2014, 5, 3130.	5.8	93
48	Fast and Sensitive Terahertz Direct Detector Based on Superconducting Antenna-Coupled Hot Electron Bolometer. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.1	20
49	Evidence of a Nonequilibrium Distribution of Quasiparticles in the Microwave Response of a Superconducting Aluminum Resonator. Physical Review Letters, 2014, 112, 047004.	2.9	93
50	Anomalous response of superconducting titanium nitride resonators to terahertz radiation. Applied Physics Letters, 2014, 105, .	1.5	21
51	Performance of hybrid NbTiN-Al microwave kinetic inductance detectors as direct detectors for sub-millimeter astronomy. Proceedings of SPIE, 2014, , .	0.8	9
52	Electrodynamical response and local tunneling spectroscopy of strongly disordered superconducting TiN films. Physical Review B, 2013, 88, .	1.1	43
53	Photothermoelectric response in asymmetric carbon nanotube devices exposed to sub-terahertz radiation. Applied Physics Letters, 2013, 103, .	1.5	25
54	The electron-phonon relaxation time in thin superconducting titanium nitride films. Applied Physics Letters, 2013, 103, .	1.5	29

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55	High optical efficiency and photon noise limited sensitivity of microwave kinetic inductance detectors using phase readout. Applied Physics Letters, 2013, 103, 203503.	1.5	68
56	Possible Indications of Electronic Inhomogeneities in Superconducting Nanowire Detectors. IEEE Transactions on Applied Superconductivity, 2013, 23, 2200705-2200705.	1.1	9
57	Probing Dynamics of an Electron-Spin Ensemble via a Superconducting Resonator. Physical Review Letters, 2013, 110, 067004.	2.9	80
58	Microwave Properties of Superconducting Atomic-Layer Deposited TiN Films. IEEE Transactions on Applied Superconductivity, 2013, 23, 7500404-7500404.	1.1	30
59	On-chip filter bank spectroscopy at 600–700 GHz using NbTiN superconducting resonators. Applied Physics Letters, 2013, 103, .	1.5	32
60	Coherent flux tunneling through NbN nanowires. Physical Review B, 2013, 88, .	1.1	54
61	Hot electron bolometer heterodyne receiver with a 4.7-THz quantum cascade laser as a local oscillator. Applied Physics Letters, 2013, 102, 011123.	1.5	75
62	Improved Nb SIS devices for heterodyne mixers between 700 GHz and 1.3 THz with NbTiN transmission lines using a normal metal energy relaxation layer. Journal of Applied Physics, 2013, 114, .	1.1	8
63	Microwave-induced excess quasiparticles in superconducting resonators measured through correlated conductivity fluctuations. Applied Physics Letters, 2012, 100, .	1.5	35
64	Microwave-induced nonequilibrium temperature in a suspended carbon nanotube. Applied Physics Letters, 2012, 100, .	1.5	9
65	Frequency locking of single-mode 3.5-THz quantum cascade lasers using a gas cell. Applied Physics Letters, 2012, 100, 041111.	1.5	32
66	Stabilized HEB-QCL heterodyne spectrometer at super-terahertz. Proceedings of SPIE, 2012, , .	0.8	1
67	Optimized sensitivity and beam pattern of a twin-slot antenna coupled NbN HEB mixer at 1.6 THz. , 2012, , .		0
68	Development of DESHIMA: a redshift machine based on a superconducting on-chip filterbank. Proceedings of SPIE, 2012, , .	0.8	22
69	Evanescence states and nonequilibrium in driven superconducting nanowires. Physical Review B, 2012, 85, .	1.1	33
70	Strongly Disordered TiN and NbTiN s -Wave Superconductors Probed by Microwave Electrodynamics. Physical Review Letters, 2012, 109, 107003.	2.9	104
71	Frequency and amplitude stabilized terahertz quantum cascade laser as local oscillator. Applied Physics Letters, 2012, 101, .	1.5	27
72	Zero-bias conductance peak and Josephson effect in graphene-NbTiN junctions. Physical Review B, 2012, 85, .	1.1	45

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73	Critical-current reduction in thin superconducting wires due to current crowding. Applied Physics Letters, 2012, 100, .	1.5	84
74	Power Handling and Responsivity of Submicron Wide Superconducting Coplanar Waveguide Resonators. Journal of Low Temperature Physics, 2012, 167, 354-359.	0.6	4
75	Design of an Integrated Filterbank for DESHIMA: On-Chip Submillimeter Imaging Spectrograph Based on Superconducting Resonators. Journal of Low Temperature Physics, 2012, 167, 341-346.	0.6	31
76	Generation-Recombination Noise: The Fundamental Sensitivity Limit for Kinetic Inductance Detectors. Journal of Low Temperature Physics, 2012, 167, 335-340.	0.6	32
77	Number Fluctuations of Sparse Quasiparticles in a Superconductor. Physical Review Letters, 2011, 106, 167004.	2.9	142
78	Low gap superconducting single photon detectors for infrared sensitivity. Applied Physics Letters, 2011, 98, .	1.5	60
79	Twin-Slot Antenna Coupled NbN Hot Electron Bolometer Mixer at 2.5 THz. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 378-382.	2.0	12
80	Design and Performance of a 600-720-GHz Sideband-Separating Receiver Using AlO_x and AlN SIS Junctions. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 166-177.	2.9	18
81	High-resolution heterodyne spectroscopy using a tunable quantum cascade laser around 3.5 THz. Applied Physics Letters, 2011, 98, .	1.5	41
82	Substrate-dependent quasiparticle recombination time in superconducting resonators. Applied Physics Letters, 2011, 99, 062509.	1.5	21
83	Reduced frequency noise in superconducting resonators. Applied Physics Letters, 2010, 97, .	1.5	37
84	Heterodyne gas cell measurements at 2.9 THz using a quantum cascade laser as local oscillator. , 2010, , .		1
85	Supercurrents in ferromagnets. Nature Physics, 2010, 6, 329-330.	6.5	3
86	Scaling of thermoelectric voltage induced by microwave radiation at the boundary between 2D electron systems. , 2010, , .		0
87	The Herschel-Heterodyne Instrument for the Far-Infrared (HIFI). Astronomy and Astrophysics, 2010, 518, L6.	2.1	557
88	Position controlled nanowires for infrared single photon emission. Applied Physics Letters, 2010, 97, .	1.5	55
89	Minimal resonator loss for circuit quantum electrodynamics. Applied Physics Letters, 2010, 97, .	1.5	92
90	Noise temperature and beam pattern of an NbN hot electron bolometer mixer at 5.25 THz. Journal of Applied Physics, 2010, 108, .	1.1	32

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91	Phase-locking of a 2.7-THz quantum cascade laser. , 2010, , .		0
92	NbN hot electron bolometer mixer at 5.3 THz. , 2010, , .		1
93	Enhanced telecom wavelength single-photon detection with NbTiN superconducting nanowires on oxidized silicon. Applied Physics Letters, 2010, 96, .	1.5	99
94	Terahertz heterodyne spectrometer using a quantum cascade laser. Applied Physics Letters, 2010, 97, 161105.	1.5	30
95	Quantum noise in a terahertz hot electron bolometer mixer. Applied Physics Letters, 2010, 96, .	1.5	63
96	A high efficiency superconducting nanowire single electron detector. Applied Physics Letters, 2010, 97, .	1.5	20
97	Frequency and quality factor of NbTiN/Au bilayer superconducting resonators. AIP Conference Proceedings, 2009, , .	0.3	6
98	Enhancement of quasiparticle recombination in Ta and Al superconductors by implantation of magnetic and nonmagnetic atoms. Physical Review B, 2009, 79, .	1.1	38
99	Noise in NbTiN, Al, and Ta Superconducting Resonators on Silicon and Sapphire Substrates. IEEE Transactions on Applied Superconductivity, 2009, 19, 936-939.	1.1	28
100	Magnetic field dependence of the coupling efficiency of a superconducting transmission line due to the proximity effect. Applied Physics Letters, 2009, 95, .	1.5	5
101	Millimetron—a large Russian-European submillimeter space observatory. Experimental Astronomy, 2009, 23, 221-244.	1.6	58
102	HARP/ACIS: a submillimetre spectral imaging system on the James Clerk Maxwell Telescope. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1026-1043.	1.6	185
103	Phase locking of a 27 THz quantum cascade laser to a microwave reference. Optics Letters, 2009, 34, 2958.	1.7	79
104	Bandwidth Limitations of Nb/AlN/Nb SIS Mixers Around 700 GHz. IEEE Transactions on Applied Superconductivity, 2009, 19, 395-399.	1.1	5
105	Quasiparticle relaxation in high Q superconducting resonators. Journal of Physics: Conference Series, 2009, 150, 052016.	0.3	0
106	Quasiparticle Lifetime and Noise in Tantalum High Q Superconducting Resonators. Journal of Low Temperature Physics, 2008, 151, 518-523.	0.6	1
107	Noise and Sensitivity of Aluminum Kinetic Inductance Detectors for Sub-mm Astronomy. Journal of Low Temperature Physics, 2008, 151, 524-529.	0.6	74
108	Longitudinal resistivity in the quantum Hall effect regime in a split-gate Si MOSFET with variable electron density. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 839-841.	0.8	1

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109	Superconducting single photon detectors with minimized polarization dependence. Applied Physics Letters, 2008, 93, .	1.5	70
110	Surface plasmon quantum cascade lasers as terahertz local oscillators. Optics Letters, 2008, 33, 312.	1.7	34
111	Quasiparticle Relaxation in Optically Excited High- Q Superconducting Resonators. Physical Review Letters, 2008, 100, 257002.	2.9	81
112	Scaling of thermoelectric voltage induced by microwave radiation at the boundary between two-dimensional electron systems. Physical Review B, 2008, 77, .	1.1	1
113	Contribution of dielectrics to frequency and noise of NbTiN superconducting resonators. Applied Physics Letters, 2008, 92, .	1.5	88
114	3.4 THz heterodyne receiver using a hot electron bolometer and a distributed feedback quantum cascade laser. Journal of Applied Physics, 2008, 104, .	1.1	26
115	Low noise superconducting single photon detectors on silicon. Applied Physics Letters, 2008, 93, .	1.5	120
116	HARP: a submillimetre heterodyne array receiver operating on the James Clerk Maxwell Telescope. , 2008, , .		10
117	An SIS-based sideband-separating heterodyne mixer optimized for the 600 to 720 GHz band. Journal of Physics: Conference Series, 2008, 97, 012331.	0.3	2
118	Sensitivity of a hot electron bolometer heterodyne receiver at 4.3 THz. , 2008, , .		0
119	How to manipulate the frequency of a Terahertz Quantum Cascade Laser. , 2007, , .		0
120	Correlation effects in the density of states of annealed $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. Physical Review B, 2007, 75, .	1.1	3
121	Adiabatic Quantum Pumping at the Josephson Frequency. Physical Review Letters, 2007, 99, 086601.	2.9	11
122	IF impedance and mixer gain of NbN hot electron bolometers. Journal of Applied Physics, 2007, 101, 044511.	1.1	24
123	Planar Hall effect and magnetic anisotropy in epitaxially strained chromium dioxide thin films. Applied Physics Letters, 2007, 90, 142509.	1.5	22
124	Epitaxial aluminum nitride tunnel barriers grown by nitridation with a plasma source. Applied Physics Letters, 2007, 91, .	1.5	25
125	Monocrystalline NbN nanofilms on a $3\text{C-SiC}/\text{Si}$ substrate. Applied Physics Letters, 2007, 91, 062504.	1.5	44
126	Noise temperature of a 4.3 THz HEB receiver. Proceedings of SPIE, 2007, , .	0.8	0

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127	Low noise NbN hot electron bolometer mixer at 4.3THz. Applied Physics Letters, 2007, 91, .	1.5	58
128	Optimizing Superconducting Matching Circuits for Nb SIS Mixers Operating Around the Gap Frequency. IEEE Transactions on Applied Superconductivity, 2007, 17, 375-378.	1.1	6
129	Resistivity of Ultrathin Superconducting NbN Films for Bolometer Mixers. IEEE Transactions on Applied Superconductivity, 2007, 17, 387-390.	1.1	3
130	Optimized Sensitivity of NbN Hot Electron Bolometer Mixers by Annealing. IEEE Transactions on Applied Superconductivity, 2007, 17, 399-402.	1.1	3
131	Niobium and Tantalum High Q Resonators for Photon Detectors. IEEE Transactions on Applied Superconductivity, 2007, 17, 263-266.	1.1	44
132	Electrically detected ferromagnetic resonance. Applied Physics Letters, 2007, 90, 162507.	1.5	26
133	Terahertz Superconducting Hot Electron Bolometer Heterodyne Receivers. IEEE Transactions on Applied Superconductivity, 2007, 17, 252-258.	1.1	14
134	Development of high-Q superconducting resonators for use as kinetic inductance detectors. Advances in Space Research, 2007, 40, 708-713.	1.2	17
135	Entangled Andreev pairs and collective excitations in nanoscale superconductors. Nature Physics, 2007, 3, 455-459.	6.5	107
136	Flow diagram of the metal-insulator transition in two dimensions. Nature Physics, 2007, 3, 707-710.	6.5	82
137	Pauli Spin Susceptibility of a Strongly Correlated Two-Dimensional Electron Liquid. Physical Review Letters, 2006, 96, 036403.	2.9	58
138	Critical behaviour of the Pauli spin susceptibility of strongly correlated electrons in two dimensions. Philosophical Magazine, 2006, 86, 2761-2770.	0.7	0
139	Planar Hall Effect In CrO2. AIP Conference Proceedings, 2006, , .	0.3	0
140	Magnetotransport through a Single Ferromagnetic Domain of (Ga,Mn)As. AIP Conference Proceedings, 2006, , .	0.3	0
141	Stability of heterodyne terahertz receivers. Journal of Applied Physics, 2006, 100, 064904.	1.1	30
142	Critical Voltage Of A Mesoscopic Superconductor Between Normal Electrodes. AIP Conference Proceedings, 2006, , .	0.3	0
143	Observation of Non-local Andreev Reflection in Normal Metal/Superconductor Structures. AIP Conference Proceedings, 2006, , .	0.3	0
144	Performance of the flight model HIFI band 3 and 4 mixer units. , 2006, 6275, 384.		5

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145	CHAMP+: a powerful array receiver for APEX. , 2006, , .		23
146	A spin triplet supercurrent through the half-metallic ferromagnet CrO ₂ . Nature, 2006, 439, 825-827.	13.7	663
147	Magnetization of a Strongly Interacting Two-Dimensional Electron System in Perpendicular Magnetic Fields. Physical Review Letters, 2006, 96, 046409.	2.9	29
148	Antenna Model for Wire Lasers. Physical Review Letters, 2006, 96, 173904.	2.9	71
149	Influence of the direct response on the heterodyne sensitivity of hot electron bolometer mixers. Journal of Applied Physics, 2006, 100, 084510.	1.1	9
150	Full characterization and analysis of a terahertz heterodyne receiver based on a NbN hot electron bolometer. Journal of Applied Physics, 2006, 100, 074507.	1.1	31
151	Conductivity of a spin-polarized two-dimensional electron liquid in the ballistic regime. Physical Review B, 2006, 73, .	1.1	12
152	Critical Voltage of a Mesoscopic Superconductor. Physical Review Letters, 2006, 96, 147002.	2.9	34
153	Antenna Model for Terahertz Cascade Wire Lasers. , 2006, , .		0
154	Would your graphite pencil superconduct?. Nature Physics, 2005, 1, 17-18.	6.5	4
155	Towards Tunneling Through a Single Dopant Atom. AIP Conference Proceedings, 2005, , .	0.3	0
156	Magnetoconductivity of dilute 2D electron systems on a silicon surface. AIP Conference Proceedings, 2005, , .	0.3	0
157	Direct detection effect in small volume hot electron bolometer mixers. Applied Physics Letters, 2005, 86, 163503.	1.5	37
158	Influence of the gate leakage current on the stability of organic single-crystal field-effect transistors. Applied Physics Letters, 2005, 86, 032103.	1.5	43
159	NbN Hot Electron Bolometer Mixers: Sensitivity, LO Power, Direct Detection and Stability. IEEE Transactions on Applied Superconductivity, 2005, 15, 484-489.	1.1	24
160	Terahertz heterodyne receiver based on a quantum cascade laser and a superconducting bolometer. Applied Physics Letters, 2005, 86, 244104.	1.5	167
161	Quantitative study of magnetotransport through a (Ga,Mn)As single ferromagnetic domain. Physical Review B, 2005, 71, .	1.1	41
162	Universal Spin-Induced Time Reversal Symmetry Breaking in Two-Dimensional Electron Gases with Rashba Spin-Orbit Interaction. Physical Review Letters, 2005, 94, 186805.	2.9	49

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163	Magnetoconductivity of insulating silicon inversion layers. <i>Physical Review B</i> , 2005, 71, .	1.1	6
164	Conductivity of silicon inversion layers: Comparison with and without an in-plane magnetic field. <i>Physical Review B</i> , 2005, 71, .	1.1	15
165	Niobium titanium nitride-based superconductor-insulator-superconductor mixers for low-noise terahertz receivers. <i>Journal of Applied Physics</i> , 2005, 97, 113904.	1.1	22
166	Local Resistivity and the Current-Voltage Characteristics of Hot Electron Bolometer Mixers. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 495-498.	1.1	11
167	Experimental Observation of Bias-Dependent Nonlocal Andreev Reflection. <i>Physical Review Letters</i> , 2005, 95, 027002.	2.9	244
168	Current-induced vortex unbinding in bolometer mixers. <i>Applied Physics Letters</i> , 2005, 87, 263506.	1.5	38
169	Electron transport and tunnelling spectroscopy in alkali doped metal phthalocyanines. <i>European Physical Journal Special Topics</i> , 2004, 114, 607-610.	0.2	6
170	Group-theoretical analysis of double acceptors in a magnetic field: Identification of the Si:B+ ground state. <i>Physical Review B</i> , 2004, 69, .	1.1	2
171	Stark effect in shallow impurities in Si. <i>Physical Review B</i> , 2004, 70, .	1.1	40
172	Direct observation by resonant tunneling of the B+ level in α -doped silicon barrier. <i>Physical Review B</i> , 2004, 69, .	1.1	11
173	Magnetic-Field Dependence of the Anomalous Noise Behavior in a Two-Dimensional Electron System in Silicon. <i>Physical Review Letters</i> , 2004, 92, 226403.	2.9	40
174	Conductance distribution in nanometer-sized semiconductor devices due to dopant statistics. <i>Physical Review B</i> , 2004, 69, .	1.1	14
175	Competition between spin-orbit interaction and Zeeman coupling in Rashba two-dimensional electron gases. <i>Physical Review B</i> , 2004, 70, .	1.1	56
176	Statistical significance of the fine structure in the frequency spectrum of Aharonov-Bohm conductance oscillations. <i>Physical Review B</i> , 2004, 69, .	1.1	16
177	Resistance of superconducting nanowires connected to normal-metal leads. <i>Physical Review B</i> , 2004, 69, .	1.1	54
178	Doubling of sensitivity and bandwidth in phonon cooled hot electron bolometer mixers. <i>Applied Physics Letters</i> , 2004, 84, 1958-1960.	1.5	76
179	Low noise NbN superconducting hot electron bolometer mixers at 1.9 and 2.5 THz. <i>Superconductor Science and Technology</i> , 2004, 17, S224-S228.	1.8	44
180	Improved superconducting hot-electron bolometer devices for the THz range. , 2004, , .		13

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181	Proximity Effect From an Andreev Perspective. Journal of Superconductivity and Novel Magnetism, 2004, 17, 593-611.	0.5	101
182	Space charge limited transport and time of flight measurements in tetracene single crystals: A comparative study. Journal of Applied Physics, 2004, 95, 1196-1202.	1.1	137
183	Development of the HIFI band 3 and 4 mixer units. , 2004, , .		3
184	Glassy behavior of a two-dimensional electron system in Si in parallel magnetic fields. , 2004, , .		0
185	Doubling of sensitivity and bandwidth in phonon-cooled hot-electron bolometer mixers. , 2004, 5498, 168.		1
186	Solution-processed ambipolar organic field-effect transistors and inverters. Nature Materials, 2003, 2, 678-682.	13.3	908
187	Spin-Independent Origin of the Strongly Enhanced Effective Mass in a Dilute 2D Electron System. Physical Review Letters, 2003, 91, 046403.	2.9	107
188	Coherent Backscattering near the Two-Dimensional Metal-Insulator Transition. Physical Review Letters, 2003, 91, 116402.	2.9	25
189	Field-effect transistors on tetracene single crystals. Applied Physics Letters, 2003, 83, 4345-4347.	1.5	265
190	Dopant density determination in disordered organic field-effect transistors. Journal of Applied Physics, 2003, 93, 4831-4835.	1.1	200
191	Development of THz Nb diffusion-cooled hot electron bolometer mixers. , 2003, , .		7
192	In-plane magnetoconductivity of Si MOSFETs: A quantitative comparison of theory and experiment. Physical Review B, 2003, 67, .	1.1	62
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