

Teun M Klapwijk

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329
papers

17,230
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351
ext. papers

18,604
ext. citations

4.8
avg. IF

6.21
L-index

#	Paper	IF	Citations
329	Transition from metallic to tunneling regimes in superconducting microconstrictions: Excess current, charge imbalance, and supercurrent conversion. <i>Physical Review B</i> , 1982 , 25, 4515-4532	3.3	2826
328	Solution-processed ambipolar organic field-effect transistors and inverters. <i>Nature Materials</i> , 2003 , 2, 678-82	27	810
327	A spin triplet supercurrent through the half-metallic ferromagnet CrO ₂ . <i>Nature</i> , 2006 , 439, 825-7	50.4	569
326	The Herschel-Heterodyne Instrument for the Far-Infrared (HIFI). <i>Astronomy and Astrophysics</i> , 2010 , 518, L6	5.1	500
325	Subharmonic energy-gap structure in superconducting constrictions. <i>Physical Review B</i> , 1983 , 27, 6739-6746	3.4	362
324	Field-effect transistors on tetracene single crystals. <i>Applied Physics Letters</i> , 2003 , 83, 4345-4347	3.4	250
323	Excess conductance of superconductor-semiconductor interfaces due to phase conjugation between electrons and holes. <i>Physical Review Letters</i> , 1992 , 69, 510-513	7.4	249
322	Reversing the direction of the supercurrent in a controllable Josephson junction. <i>Nature</i> , 1999 , 397, 43-45	50.4	240
321	Efficient Intermolecular Charge Transport in Self-Assembled Fibers of Mono- and Bithiophene Bisurea Compounds. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1393-1397	16.4	235
320	One-dimensional ring in the presence of Rashba spin-orbit interaction: Derivation of the correct Hamiltonian. <i>Physical Review B</i> , 2002 , 66,	3.3	221
319	Indium contamination from the indium oxide electrode in polymer light-emitting diodes. <i>Applied Physics Letters</i> , 1996 , 69, 1764-1766	3.4	214
318	Experimental observation of bias-dependent nonlocal Andreev reflection. <i>Physical Review Letters</i> , 2005 , 95, 027002	7.4	213
317	Scaling of nano-Schottky-diodes. <i>Applied Physics Letters</i> , 2002 , 81, 3852-3854	3.4	212
316	4π-periodic Josephson supercurrent in HgTe-based topological Josephson junctions. <i>Nature Communications</i> , 2016 , 7, 10303	17.4	211
315	Spin-orbit interaction in a two-dimensional electron gas in a InAs/AlSb quantum well with gate-controlled electron density. <i>Physical Review B</i> , 1998 , 57, 11911-11914	3.3	193
314	Dopant density determination in disordered organic field-effect transistors. <i>Journal of Applied Physics</i> , 2003 , 93, 4831-4835	2.5	192
313	Atomic-structure-dependent Schottky barrier at epitaxial Pb/Si(111) interfaces. <i>Physical Review Letters</i> , 1990 , 64, 1589-1592	7.4	187

312	Switch-on voltage in disordered organic field-effect transistors. <i>Applied Physics Letters</i> , 2002 , 80, 3838-3840	3.4	173
311	Gapless Andreev bound states in the quantum spin Hall insulator HgTe. <i>Nature Nanotechnology</i> , 2017 , 12, 137-143	28.7	163
310	Indication of the ferromagnetic instability in a dilute two-dimensional electron system. <i>Physical Review Letters</i> , 2001 , 87, 086801	7.4	156
309	Sharp increase of the effective mass near the critical density in a metallic two-dimensional electron system. <i>Physical Review B</i> , 2002 , 66,	3.3	155
308	Ballistic Josephson junctions in edge-contacted graphene. <i>Nature Nanotechnology</i> , 2015 , 10, 761-4	28.7	151
307	HARP/ACSIS: a submillimetre spectral imaging system on the James Clerk Maxwell Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 1026-1043	4.3	148
306	Ensemble-Average Spectrum of Aharonov-Bohm Conductance Oscillations: Evidence for Spin-Orbit-Induced Berry's Phase. <i>Physical Review Letters</i> , 1998 , 80, 1050-1053	7.4	147
305	Scaling behavior and parasitic series resistance in disordered organic field-effect transistors. <i>Applied Physics Letters</i> , 2003 , 82, 4576-4578	3.4	146
304	Terahertz heterodyne receiver based on a quantum cascade laser and a superconducting bolometer. <i>Applied Physics Letters</i> , 2005 , 86, 244104	3.4	129
303	Number fluctuations of sparse quasiparticles in a superconductor. <i>Physical Review Letters</i> , 2011 , 106, 167004	7.4	123
302	Resistive transition in two-dimensional arrays of superconducting weak links. <i>Physical Review B</i> , 1982 , 26, 5268-5271	3.3	122
301	Space charge limited transport and time of flight measurements in tetracene single crystals: A comparative study. <i>Journal of Applied Physics</i> , 2004 , 95, 1196-1202	2.5	120
300	Coulomb-blockade transport in single-crystal organic thin-film transistors. <i>Nature</i> , 2000 , 404, 977-80	50.4	120
299	Critical pair-breaking current in superconducting aluminum strips far below T_c . <i>Physical Review B</i> , 1982 , 26, 3648-3655	3.3	114
298	Phase-Dependent Resistance in a Superconductor-Two-Dimensional-Electron-Gas Quasiparticle Interferometer. <i>Physical Review Letters</i> , 1995 , 74, 602-605	7.4	109
297	Hot electron tunable supercurrent. <i>Applied Physics Letters</i> , 1998 , 72, 966-968	3.4	108
296	Low noise superconducting single photon detectors on silicon. <i>Applied Physics Letters</i> , 2008 , 93, 131101	3.4	107
295	The Meyer-Reldel rule in organic thin-film transistors. <i>Applied Physics Letters</i> , 2000 , 76, 3433-3435	3.4	105

294	Scaling of the magnetoconductivity of silicon MOSFETs: evidence for a quantum phase transition in two dimensions. <i>Physical Review Letters</i> , 2001 , 87, 086401	7.4	102
293	Spin-independent origin of the strongly enhanced effective mass in a dilute 2D electron system. <i>Physical Review Letters</i> , 2003 , 91, 046403	7.4	100
292	Entangled Andreev pairs and collective excitations in nanoscale superconductors. <i>Nature Physics</i> , 2007 , 3, 455-459	16.2	98
291	Enhanced tunneling across nanometer-scale metal/semiconductor interfaces. <i>Applied Physics Letters</i> , 2002 , 80, 2568-2570	3.4	94
290	Small-angle Shubnikov-de Haas measurements in a 2D electron system: the effect of a strong in-plane magnetic field. <i>Physical Review Letters</i> , 2000 , 85, 2164-7	7.4	91
289	Enhanced telecom wavelength single-photon detection with NbTiN superconducting nanowires on oxidized silicon. <i>Applied Physics Letters</i> , 2010 , 96, 221109	3.4	87
288	Mobile ionic impurities in organic semiconductors. <i>Journal of Applied Physics</i> , 2003 , 93, 2082-2090	2.5	86
287	Strongly disordered TiN and NbTiN s-wave superconductors probed by microwave electro-dynamics. <i>Physical Review Letters</i> , 2012 , 109, 107003	7.4	82
286	Observation of Andreev Reflection Enhanced Shot Noise. <i>Physical Review Letters</i> , 1997 , 79, 3486-3489	7.4	82
285	Contribution of dielectrics to frequency and noise of NbTiN superconducting resonators. <i>Applied Physics Letters</i> , 2008 , 92, 223502	3.4	78
284	Minimal resonator loss for circuit quantum electrodynamics. <i>Applied Physics Letters</i> , 2010 , 97, 023508	3.4	77
283	Proximity Effect From an Andreev Perspective. <i>Journal of Superconductivity and Novel Magnetism</i> , 2004 , 17, 593-611		75
282	Quasiparticle relaxation in optically excited high-Q superconducting resonators. <i>Physical Review Letters</i> , 2008 , 100, 257002	7.4	72
281	Fluctuations in the electron system of a superconductor exposed to a photon flux. <i>Nature Communications</i> , 2014 , 5, 3130	17.4	71
280	Radiation-stimulated superconductivity. <i>Journal of Low Temperature Physics</i> , 1977 , 26, 385-405	1.3	70
279	Probing dynamics of an electron-spin ensemble via a superconducting resonator. <i>Physical Review Letters</i> , 2013 , 110, 067004	7.4	69
278	Flow diagram of the metal/insulator transition in two dimensions. <i>Nature Physics</i> , 2007 , 3, 707-710	16.2	69
277	Temperature and angular dependence of the anisotropic magnetoresistance in epitaxial Fe films. <i>Physical Review B</i> , 2001 , 63,	3.3	69

276	Carrier transport in mesoscopic silicon-coupled superconducting junctions. <i>Physical Review B</i> , 1993 , 47, 5170-5189	3-3	69
275	Extreme critical-temperature enhancement of Al by tunneling in Nb/AlO _x /Al/AlO _x /Nb tunnel junctions. <i>Physical Review Letters</i> , 1991 , 66, 220-223	7-4	69
274	Evidence of a nonequilibrium distribution of quasiparticles in the microwave response of a superconducting aluminum resonator. <i>Physical Review Letters</i> , 2014 , 112, 047004	7-4	67
273	Critical-current reduction in thin superconducting wires due to current crowding. <i>Applied Physics Letters</i> , 2012 , 100, 182602	3-4	67
272	Spin-accumulation-induced resistance in mesoscopic ferromagnet-superconductor junctions. <i>Physical Review B</i> , 1999 , 60, 16549-16552	3-3	67
271	Efficient blue LEDs from a partially conjugated Si-containing PPV copolymer in a double-layer configuration. <i>Advanced Materials</i> , 1997 , 9, 127-131	2-4	63
270	Doubling of sensitivity and bandwidth in phonon cooled hot electron bolometer mixers. <i>Applied Physics Letters</i> , 2004 , 84, 1958-1960	3-4	63
269	Phase locking of a 2.7 THz quantum cascade laser to a microwave reference. <i>Optics Letters</i> , 2009 , 34, 2958-60	3	62
268	Universal behavior of the resistance noise across the metal-insulator transition in silicon inversion layers. <i>Physical Review Letters</i> , 2002 , 89, 276401	7-4	62
267	Hot electron bolometer heterodyne receiver with a 4.7-THz quantum cascade laser as a local oscillator. <i>Applied Physics Letters</i> , 2013 , 102, 011123	3-4	61
266	Flux sensitivity of a piecewise normal and superconducting metal loop. <i>Physical Review B</i> , 1986 , 33, 5114-5117	3-3	61
265	Nonlocal supercurrent in mesoscopic Josephson junctions. <i>Physical Review B</i> , 1998 , 57, R5618-R5621	3-3	59
264	Frequency behavior and the Mott-Schottky analysis in poly(3-hexyl thiophene) metal-insulator-semiconductor diodes. <i>Applied Physics Letters</i> , 2001 , 78, 3902-3904	3-4	58
263	Metallic low-temperature resistivity in a 2D electron system over an extended temperature range. <i>Physical Review Letters</i> , 2000 , 84, 2909-12	7-4	57
262	Enhancement of superconductivity far above the critical temperature in double-barrier tunnel junctions. <i>Physical Review B</i> , 1993 , 47, 5157-5164	3-3	57
261	Quantum noise in a terahertz hot electron bolometer mixer. <i>Applied Physics Letters</i> , 2010 , 96, 111113	3-4	55
260	Superconducting single photon detectors with minimized polarization dependence. <i>Applied Physics Letters</i> , 2008 , 93, 161102	3-4	55
259	Antenna model for wire lasers. <i>Physical Review Letters</i> , 2006 , 96, 173904	7-4	55

258	In-plane magnetoconductivity of Si MOSFETs: A quantitative comparison of theory and experiment. <i>Physical Review B</i> , 2003 , 67,	3-3	55
257	Transport in MultiTerminal Normal-Superconductor Devices: Reciprocity Relations, Negative and Nonlocal Resistances, and Reentrance of the Proximity Effect. <i>Physical Review Letters</i> , 1996 , 77, 4954-4957	7-4	55
256	Sample-specific conductance fluctuations modulated by the superconducting phase. <i>Physical Review Letters</i> , 1996 , 76, 4592-4595	7-4	55
255	Noise and Sensitivity of Aluminum Kinetic Inductance Detectors for Sub-mm Astronomy. <i>Journal of Low Temperature Physics</i> , 2008 , 151, 524-529	1-3	54
254	Competition between spin-orbit interaction and Zeeman coupling in Rashba two-dimensional electron gases. <i>Physical Review B</i> , 2004 , 70,	3-3	54
253	Hotspot mixing: A framework for heterodyne mixing in superconducting hot-electron bolometers. <i>Applied Physics Letters</i> , 1999 , 74, 433-435	3-4	54
252	Pauli spin susceptibility of a strongly correlated two-dimensional electron liquid. <i>Physical Review Letters</i> , 2006 , 96, 036403	7-4	53
251	Low noise NbN hot electron bolometer mixer at 4.3THz. <i>Applied Physics Letters</i> , 2007 , 91, 221111	3-4	51
250	Metal-insulator transition in a 2D electron gas: equivalence of two approaches for determining the critical point. <i>Physical Review Letters</i> , 2001 , 87, 266402	7-4	51
249	High optical efficiency and photon noise limited sensitivity of microwave kinetic inductance detectors using phase readout. <i>Applied Physics Letters</i> , 2013 , 103, 203503	3-4	48
248	Enhanced conductance near zero voltage bias in mesoscopic superconductor-semiconductor junctions. <i>Physical Review B</i> , 1994 , 50, 4594-4599	3-3	48
247	Position controlled nanowires for infrared single photon emission. <i>Applied Physics Letters</i> , 2010 , 97, 171106	3-4	47
246	Phase Conjugated Andreev Backscattering in Two-Dimensional Ballistic Cavities. <i>Physical Review Letters</i> , 1997 , 78, 2636-2639	7-4	46
245	Resistance of superconducting nanowires connected to normal-metal leads. <i>Physical Review B</i> , 2004 , 69,	3-3	46
244	Low gap superconducting single photon detectors for infrared sensitivity. <i>Applied Physics Letters</i> , 2011 , 98, 251102	3-4	45
243	Direct observation of the transition from the conventional superconducting state to the pi state in a controllable Josephson junction. <i>Physical Review Letters</i> , 2002 , 89, 207002	7-4	45
242	Response to parallel magnetic field of a dilute two-dimensional electron system across the metal-insulator transition. <i>Physical Review B</i> , 1999 , 60, R5093-R5096	3-3	45
241	Current contacts and the breakdown of the quantum Hall effect. <i>Physical Review B</i> , 1990 , 42, 11267-11275	3-3	44

240	The ALMA Band 9 receiver. <i>Astronomy and Astrophysics</i> , 2015 , 577, A129	5.1	42
239	Coherent flux tunneling through NbN nanowires. <i>Physical Review B</i> , 2013 , 88,	3.3	42
238	Single crystallites in planar polycrystalline oligothiophene films: Determination of orientation and thickness by polarization microscopy. <i>Journal of Applied Physics</i> , 1998 , 83, 3816-3824	2.5	42
237	Universal spin-induced time reversal symmetry breaking in two-dimensional electron gases with Rashba spin-orbit interaction. <i>Physical Review Letters</i> , 2005 , 94, 186805	7.4	42
236	Intrinsic charge transport properties of an organic single crystal determined using a multiterminal thin-film transistor. <i>Applied Physics Letters</i> , 1998 , 73, 3884-3886	3.4	42
235	Effect of the top electrode work function on the rectification ratio of light-emitting diodes (LEDs) based on poly(3-octylthiophene) 1995 ,		42
234	Millimetron large Russian-European submillimeter space observatory. <i>Experimental Astronomy</i> , 2009 , 23, 221-244	1.3	41
233	Zero-bias conductance peak and Josephson effect in graphene-NbTiN junctions. <i>Physical Review B</i> , 2012 , 85,	3.3	40
232	Influence of the gate leakage current on the stability of organic single-crystal field-effect transistors. <i>Applied Physics Letters</i> , 2005 , 86, 032103	3.4	40
231	Quantitative study of magnetotransport through a (Ga,Mn)As single ferromagnetic domain. <i>Physical Review B</i> , 2005 , 71,	3.3	40
230	Low-noise 1 THz superconductor/insulator/superconductor mixer incorporating a NbTiN/SiO ₂ /Al tuning circuit. <i>Applied Physics Letters</i> , 2001 , 79, 436-438	3.4	40
229	Regimes in the behavior of superconducting microbridges. <i>Journal of Low Temperature Physics</i> , 1977 , 27, 801-835	1.3	40
228	Monocrystalline NbN nanofilms on a 3C-SiC/Si substrate. <i>Applied Physics Letters</i> , 2007 , 91, 062504	3.4	39
227	Influence of low energy Ar-sputtering on the electronic properties of InAs-based quantum well structures. <i>Applied Physics Letters</i> , 1995 , 67, 3569-3571	3.4	39
226	Josephson junction dynamics in the presence of 2D and 4D periodic supercurrents. <i>Physical Review B</i> , 2017 , 95,	3.3	38
225	Stark effect in shallow impurities in Si. <i>Physical Review B</i> , 2004 , 70,	3.3	38
224	Electrodynamic response and local tunneling spectroscopy of strongly disordered superconducting TiN films. <i>Physical Review B</i> , 2013 , 88,	3.3	37
223	Niobium and Tantalum High Q Resonators for Photon Detectors. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 263-266	1.8	37

222	Magnetic-field dependence of the anomalous noise behavior in a two-dimensional electron system in silicon. <i>Physical Review Letters</i> , 2004 , 92, 226403	7-4	37
221	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	3-1	37
220	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. <i>Advanced Materials</i> , 2000 , 12, 563-566	24	37
219	Enhancement of quasiparticle recombination in Ta and Al superconductors by implantation of magnetic and nonmagnetic atoms. <i>Physical Review B</i> , 2009 , 79,	3-3	35
218	High-resolution heterodyne spectroscopy using a tunable quantum cascade laser around 3.5 THz. <i>Applied Physics Letters</i> , 2011 , 98, 231109	3-4	35
217	Energy Spectroscopy of Andreev Levels between Two Superconductors. <i>Physical Review Letters</i> , 1997 , 79, 4010-4013	7-4	35
216	Phase-slip centers in superconducting aluminum strips. <i>Journal of Low Temperature Physics</i> , 1983 , 53, 633-671	1-3	35
215	Current-induced vortex unbinding in bolometer mixers. <i>Applied Physics Letters</i> , 2005 , 87, 263506	3-4	34
214	Reduced frequency noise in superconducting resonators. <i>Applied Physics Letters</i> , 2010 , 97, 033507	3-4	32
213	Light emission in reverse bias operation from poly(3-octylthiophene)-based light emitting diodes. <i>Applied Physics Letters</i> , 1995 , 66, 2540-2542	3-4	32
212	Observation of double-gap-edge Andreev reflection at Si/Nb interfaces by point-contact spectroscopy. <i>Physical Review B</i> , 1994 , 49, 10484-10494	3-3	32
211	Coherent Excited States in Superconductors due to a Microwave Field. <i>Physical Review Letters</i> , 2016 , 117, 047002	7-4	31
210	Noise temperature and beam pattern of an NbN hot electron bolometer mixer at 5.25 THz. <i>Journal of Applied Physics</i> , 2010 , 108, 093102	2-5	30
209	Surface plasmon quantum cascade lasers as terahertz local oscillators. <i>Optics Letters</i> , 2008 , 33, 312-4	3	30
208	Gate-induced ionization of single dopant atoms. <i>Physical Review B</i> , 2003 , 68,	3-3	30
207	Direct detection effect in small volume hot electron bolometer mixers. <i>Applied Physics Letters</i> , 2005 , 86, 163503	3-4	30
206	Heterodyne mixing with Nb tunnel junctions above the gap frequency. <i>Applied Physics Letters</i> , 1994 , 64, 3039-3041	3-4	30
205	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , 2017 , 118, 117001	7-4	29

204	Spatial conductivity mapping of unprotected and capped black phosphorus using microwave microscopy. <i>2D Materials</i> , 2016 , 3, 021002	5.9	29
203	Spin polarization of strongly interacting two-dimensional electrons: The role of disorder. <i>Physical Review B</i> , 2002 , 65,	3.3	29
202	Medium-energy ion-scattering study of a possible relation between the Schottky-barrier height and the defect density at NiSi ₂ /Si(111) interfaces. <i>Physical Review B</i> , 1990 , 42, 9598-9608	3.3	29
201	Microwave-induced excess quasiparticles in superconducting resonators measured through correlated conductivity fluctuations. <i>Applied Physics Letters</i> , 2012 , 100, 162601	3.4	28
200	Full characterization and analysis of a terahertz heterodyne receiver based on a NbN hot electron bolometer. <i>Journal of Applied Physics</i> , 2006 , 100, 074507	2.5	28
199	Temperature dependence of the resistivity of a dilute two-dimensional electron system in high parallel magnetic field. <i>Physical Review B</i> , 2001 , 63,	3.3	28
198	Interaction between moving flux lines and a two-dimensional electron gas. <i>Physical Review Letters</i> , 1991 , 67, 2725-2728	7.4	28
197	Current Contacts and Current Distribution in the Quantum Hall Effect. <i>Europhysics Letters</i> , 1990 , 12, 429-434	4.3	28
196	Magnetization of a strongly interacting two-dimensional electron system in perpendicular magnetic fields. <i>Physical Review Letters</i> , 2006 , 96, 046409	7.4	27
195	Transport spectroscopy of induced superconductivity in the three-dimensional topological insulator HgTe. <i>Physical Review B</i> , 2017 , 96,	3.3	26
194	Frequency and amplitude stabilized terahertz quantum cascade laser as local oscillator. <i>Applied Physics Letters</i> , 2012 , 101, 101111	3.4	26
193	Generation-Recombination Noise: The Fundamental Sensitivity Limit for Kinetic Inductance Detectors. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 335-340	1.3	26
192	Terahertz heterodyne spectrometer using a quantum cascade laser. <i>Applied Physics Letters</i> , 2010 , 97, 161105	3.4	26
191	Electrically detected ferromagnetic resonance. <i>Applied Physics Letters</i> , 2007 , 90, 162507	3.4	26
190	Stability of heterodyne terahertz receivers. <i>Journal of Applied Physics</i> , 2006 , 100, 064904	2.5	26
189	Spin polarization of two-dimensional electrons determined from Shubnikov-de Haas oscillations as a function of angle. <i>Physical Review B</i> , 2001 , 64,	3.3	26
188	Temperature and interface-roughness dependence of the electron mobility in high-mobility Si(100) inversion layers below 4.2 K. <i>Physical Review B</i> , 1991 , 43, 6642-6649	3.3	26
187	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	1.8	25

186	Frequency locking of single-mode 3.5-THz quantum cascade lasers using a gas cell. <i>Applied Physics Letters</i> , 2012 , 100, 041111	3-4	25
185	Reentrant behavior in the superconducting phase-dependent resistance of a disordered two-dimensional electron gas. <i>Physical Review B</i> , 1997 , 56, 13738-13741	3-3	25
184	Nonlinear resistivity at the metal-insulator transition in a two-dimensional electron gas. <i>Physical Review B</i> , 1998 , 58, R1754-R1757	3-3	25
183	Evanescent states and nonequilibrium in driven superconducting nanowires. <i>Physical Review B</i> , 2012 , 85,	3-3	24
182	3.4 THz heterodyne receiver using a hot electron bolometer and a distributed feedback quantum cascade laser. <i>Journal of Applied Physics</i> , 2008 , 104, 113106	2-5	24
181	Nonequilibrium distribution of edge and bulk current in a quantum Hall conductor. <i>Physical Review B</i> , 1991 , 43, 6764-6767	3-3	24
180	Inelastic scattering rate for electrons in thin aluminum films determined from the minimum frequency for microwave stimulation of superconductivity. <i>Physical Review B</i> , 1984 , 29, 1503-1505	3-3	24
179	Photothermoelectric response in asymmetric carbon nanotube devices exposed to sub-terahertz radiation. <i>Applied Physics Letters</i> , 2013 , 103, 181121	3-4	23
178	The electron-phonon relaxation time in thin superconducting titanium nitride films. <i>Applied Physics Letters</i> , 2013 , 103, 252602	3-4	23
177	Critical voltage of a mesoscopic superconductor. <i>Physical Review Letters</i> , 2006 , 96, 147002	7-4	23
176	Coherent backscattering near the two-dimensional metal-insulator transition. <i>Physical Review Letters</i> , 2003 , 91, 116402	7-4	23
175	Critical currents in ballistic two-dimensional InAs-based superconducting weak links. <i>Physical Review B</i> , 1999 , 60, 13135-13138	3-3	23
174	Optimization of RF- and DC-sputtered NbTiN films for integration with Nb-based SIS junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 1999 , 9, 1716-1719	1-8	23
173	Submicron niobium junctions for submillimeter-wave mixers using optical lithography. <i>Applied Physics Letters</i> , 1993 , 62, 774-776	3-4	23
172	Compact integrated dc SQUID gradiometer. <i>Applied Physics Letters</i> , 1982 , 41, 669-671	3-4	23
171	Design of an Integrated Filterbank for DESHIMA: On-Chip Submillimeter Imaging Spectrograph Based on Superconducting Resonators. <i>Journal of Low Temperature Physics</i> , 2012 , 167, 341-346	1-3	22
170	Giant Andreev Backscattering through a Quantum Point Contact Coupled via a Disordered Two-Dimensional Electron Gas to Superconductors. <i>Physical Review Letters</i> , 1997 , 79, 3250-3253	7-4	22
169	High-performance dc SQUIDs with submicrometer niobium Josephson junctions. <i>Journal of Low Temperature Physics</i> , 1983 , 53, 287-312	1-3	22

168	Quantum breakdown of superconductivity in low-dimensional materials. <i>Nature Physics</i> , 2020 , 16, 734-746.	4.2	21
167	Engineering Physics of Superconducting Hot-Electron Bolometer Mixers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017 , 7, 627-648	3.4	21
166	Noise in NbTiN, Al, and Ta Superconducting Resonators on Silicon and Sapphire Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 936-939	1.8	21
165	Epitaxial aluminum nitride tunnel barriers grown by nitridation with a plasma source. <i>Applied Physics Letters</i> , 2007 , 91, 233102	3.4	21
164	Resistive transition of niobium superconducting hot-electron bolometer mixers. <i>Applied Physics Letters</i> , 1998 , 73, 2826-2828	3.4	21
163	Observation of carrier-concentration-dependent reflectionless tunneling in a superconductor-two-dimensional-electron-gas-superconductor structure. <i>Physical Review B</i> , 1994 , 49, 13275-13278	3.3	21
162	Andreev reflection in nanoscale metal-superconductor devices. <i>Physical Review B</i> , 1994 , 50, 631-634	3.3	21
161	. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 7500404-7500404	1.8	20
160	On-chip filter bank spectroscopy at 600-700 GHz using NbTiN superconducting resonators. <i>Applied Physics Letters</i> , 2013 , 103, 032601	3.4	20
159	Substrate-dependent quasiparticle recombination time in superconducting resonators. <i>Applied Physics Letters</i> , 2011 , 99, 062509	3.4	20
158	Planar Hall effect and magnetic anisotropy in epitaxially strained chromium dioxide thin films. <i>Applied Physics Letters</i> , 2007 , 90, 142509	3.4	20
157	Niobium titanium nitride-based superconductor-insulator-superconductor mixers for low-noise terahertz receivers. <i>Journal of Applied Physics</i> , 2005 , 97, 113904	2.5	20
156	CHAMP+: a powerful array receiver for APEX 2006 ,		20
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