Tord Claeson

List of Publications by Year
in descending order

378 papers	7,504 citations	61984 43 h-index	79698 73 g-index
380 all docs	380 docs citations	380 times ranked	3922 citing authors

#	Article	IF	Citations
1	Effect of oxygen vacancies in theSrTiO3substrate on the electrical properties of theLaAlO3â•SrTiO3interface. Physical Review B, 2007, 75, .	3.2	657
2	Evidence for Coexistence of the Superconducting Gap and the Pseudogap in Bi-2212 from Intrinsic Tunneling Spectroscopy. Physical Review Letters, 2000, 84, 5860-5863.	7.8	306
3	Weak links and dc SQUIDS on artificial nonsymmetric grain boundaries in YBa2Cu3O7â˜Î´. Applied Physics Letters, 1991, 59, 3030-3032.	3.3	244
4	Phase Controlled Conductance of Mesoscopic Structures with Superconducting â€œMirrorsâ€• Physical Review Letters, 1995, 74, 5268-5271.	7.8	159
5	Time-correlated single-electron tunneling in one-dimensional arrays of ultrasmall tunnel junctions. Physical Review Letters, 1989, 63, 1861-1864.	7.8	158
6	Macroscopic Quantum Tunneling ind-WaveYBa2Cu3O7â˜Josephson Junctions. Physical Review Letters, 2005, 94, 087003.	7.8	151
7	Effect of high-frequency electrodynamic environment on the single-electron tunneling in ultrasmall junctions. Physical Review Letters, 1989, 63, 1180-1183.	7.8	139
8	Strong temperature dependence of thec-axis gap parameter ofBi2Sr2CaCu2O8+Îîntrinsic Josephson junctions. Physical Review B, 1996, 53, R8887-R8890.	3.2	133
9	Electromagnetic properties at the grain boundary interface of aYBa2Cu3O7â˜Îbicrystal Josephson junction. Physical Review Letters, 1994, 72, 1260-1263.	7.8	123
10	Distorted chain sites for Co- and Fe-substitutedYBa2Cu3O7â˜Î´. Physical Review B, 1989, 39, 11603-11617.	3.2	122
11	Cationic Disorder and Phase Segregation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><m Evidenced by Medium-Energy Ion Spectroscopy. Physical Review Letters, 2009, 103, 146101.	7.8	113
12	Single-electron charging effects in one-dimensional arrays of ultrasmall tunnel junctions. Physical Review Letters, 1989, 62, 2539-2542.	7.8	108
13	Quantum Dynamics of a d-Wave Josephson Junction. Science, 2006, 311, 57-60.	12.6	108
14	Linewidth measurements of Josephson fluxâ€flow oscillators in the band 280â€“330 GHz. Applied Physics Letters, 1993, 62, 3195-3197.	3.3	87
15	Coulomb blockade and incoherent tunneling of Cooper pairs in ultrasmall junctions affected by strong quantum fluctuations. Physical Review Letters, 1991, 67, 1161-1164.	7.8	79
16	Charge solitons and quantum fluctuations in two-dimensional arrays of small Josephson junctions. Physical Review B, 1994, 50, 3959-3971.	3.2	77
17	Local structure ofBaBixPb1â˜xO3determined by x-ray-absorption spectroscopy. Physical Review B, 1991, 44, 6961-6972.	3.2	74
18	Local disorder in the oxygen environment around praseodymium inY1â˜xPrxBa2Cu3O7from x-ray-absorption fine structure. Physical Review B, 1994, 49, 3432-3442.	3.2	74

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19	X-ray-absorption studies of the high-TcsuperconductorsLa1.8Sr0.2CuO4andLa1.8Ba0.2CuO4. Physical Review B, 1987, 35, 7203-7206.	3.2	67
20	Comparison of local structure measurements fromc-axis polarized XAFS between a film and a single crystal ofYBa2Cu3O7â˜Î´as a function of temperature. Physical Review B, 1996, 54, 9542-9554.	3.2	66
21	X-ray-absorption studies ofYBa2Cu3O7â˜Î´andGdBa2Cu3O7â˜Î´superconductors. Physical Review B, 1987, 36, 5251-5257.	3.2	65
22	Observation of single-electron-tunneling oscillations. Physical Review B, 1990, 42, 7439-7449.	3.2	65
23	Intrinsic Tunneling Spectra ofBi2(Sr2â˜xLax)CuO6+Î´. Physical Review Letters, 2003, 90, 147005.	7.8	61
24	Giant lasing effect in magnetic nanoconductors. Europhysics Letters, 2004, 67, 948-954.	2.0	60
25	Arrays of Josephson tunnel junctions as parametric amplifiers. Journal of Applied Physics, 1978, 49, 4248-4263.	2.5	59
26	Silent phase qubit based ond-wave Josephson junctions. Physical Review B, 2005, 71, .	3.2	58
27	SCENET roadmap for superconductor digital electronics. Physica C: Superconductivity and Its Applications, 2006, 439, 1-41.	1.2	58
28	In situcontrolled fabrication of stacks of high-Tc intrinsic Josephson junctions. Applied Physics Letters, 1997, 70, 1760-1762.	3.3	57
29	Local structure about Ni atoms in Ni-substitutedYBa2Cu3O7â˜Î´. Physical Review B, 1990, 42, 2137-2142.	3.2	55
30	Experimental evidence for the Coulomb blockade of Cooper pair tunneling and Bloch oscillations in single Josephson junctions. European Physical Journal B, 1991, 85, 339-347.	1.5	55
31	Relationship between the Out-Of-Plane Resistance and the Subgap Resistance of Intrinsic Josephson Junctions inBi2Sr2CaCu2O8+Î´. Physical Review Letters, 1997, 79, 5122-5125.	7.8	55
32	PSEUDO-GAP FEATURES OF INTRINSIC TUNNELING IN (HgBr2)-Bi2212 SINGLE CRYSTALS. International Journal of Modern Physics B, 1999, 13, 3758-3763.	2.0	55
33	Comparison of cryogenic filters for use in single electronics experiments. Review of Scientific Instruments, 2003, 74, 1323-1327.	1.3	53
34	Fully gapped superconductivity in a nanometre-size YBa2Cu3O7â€“Î´ island enhanced by a magnetic field. Nature Nanotechnology, 2013, 8, 25-30.	31.5	53
35	Observation of the Resonant Tunneling of Cooper Pairs. Physical Review Letters, 1994, 73, 1541-1544.	7.8	52
36	Fabrication and measurement of a Nb based superconducting single electron transistor. Applied Physics Letters, 1994, 65, 636-638.	3.3	49

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37	Epitaxial YBa2Cu3O7â^Î´â€‰/BaxSr1â^'xTiO3heterostructures on siliconâ€onâ€sapphire for tunable microwave components. Journal of Applied Physics, 1995, 78, 4591-4595.	2.5	49
38	Multiple-valuedc-axis critical current and phase locking inBi2Sr2CaCu2O8+Î´single crystals. Physical Review B, 1998, 57, R8135-R8138.	3.2	49
39	Voltage divider based on submicron slits in a high Tc superconducting film and two bicrystal grain boundaries. Applied Physics Letters, 1995, 67, 282-284.	3.3	48
40	Arrays of superconducting tunnel junctions as lowâ€noise 10â€GHz mixers. Applied Physics Letters, 1979, 34, 711-713.	3.3	46
41	Superconductorâ€insulatorâ€superconductor mixing with arrays at millimeterâ€wave frequencies. Journal of Applied Physics, 1981, 52, 6366-6376.	2.5	46
42	High tunability of the permittivity of YBa2Cu3O7â^'â^,/SrTiO3 heterostructures on sapphire substrates. Journal of Applied Physics, 1997, 81, 3232-3236.	2.5	46
43	Bi2Sr2CaCu2O8+Î´intrinsic Josephson junctions in a magnetic field. Physical Review B, 1999, 59, 7196-7204.	3.2	46
44	Three Terminal Josephson Junction with a Semiconductor Accumulation Layer. Japanese Journal of Applied Physics, 1987, 26, 1617.	1.5	45
45	Fluxâ€flow transistors based on long YBa2Cu3O7â^Î´bicrystal grain boundary junctions. Applied Physics Letters, 1994, 64, 1153-1155.	3.3	45
46	XAFS measurements of negatively correlated atomic displacements inHgBa2CuO4+Î´. Physical Review B, 1995, 52, R15745-R15748.	3.2	43
47	Nano-patterning of the electron gas at the LaAlO3/SrTiO3 interface using low-energy ion beam irradiation. Applied Physics Letters, 2013, 102, .	3.3	43
48	High-resolution electron microscopy of ZnO grain boundaries in bicrystals obtained by the solid-phase intergrowth process. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 633-655.	0.6	42
49	Improved cationic stoichiometry and insulating behavior at the interface of LaAlO 3 /SrTiO 3 formed at high oxygen pressure during pulsed-laser deposition. Europhysics Letters, 2011, 93, 37001.	2.0	42
50	Improved step edges on LaAlO3 substrates by using amorphous carbon etch masks. Applied Physics Letters, 1994, 65, 1177-1179.	3.3	40
51	Gain dependence of the noise in the single electron transistor. Journal of Applied Physics, 1999, 86, 2132-2136.	2.5	40
52	Strain-enhanced phase separation affecting electro- and magnetotransport in La0.67Ca0.33MnO3 films. Journal of Applied Physics, 2004, 96, 435-442.	2.5	40
53	Temperature dependence of the local structure ofYBa2Cu3O7â^Î´with varying oxygen content: An x-ray-absorption study. Physical Review B, 1989, 39, 6555-6566.	3.2	39
54	Josephson flux-flow resonances in overdamped longYBa2Cu3O7grain-boundary junctions. Physical Review B, 1995, 51, 8684-8687.	3.2	38

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55	Epitaxial growth and properties of YBa2Cu3Oxâ€Pb(Zr0.6Ti0.4)O3â€YBa2Cu3Oxtrilayer structure by laser ablation. Applied Physics Letters, 1992, 61, 528-530.	3.3	36
56	Extending the high-frequency limit of a single-electron transistor by on-chip impedance transformation. Physical Review B, 1996, 53, R13272-R13274.	3.2	36
57	Superconductivity and Electronic Structure in the Alloy System Lead-Thallium. Physical Review, 1966, 147, 340-348.	2.7	35
58	Distorted local environment around Zn on Cu(2) sites inYBa2Cu3O7: An x-ray-absorption study. Physical Review B, 1993, 48, 1266-1275.	3.2	35
59	Intrinsic Josephson tunnel junctions fabricated on the surfaces of Bi2212 single crystals by photolithography. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3269-3270.	1.2	35
60	Search for superconductivity in Laves phase compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 1974, 50, 159-160.	2.1	34
61	X-ray absorption ofBaBiO3and superconductingBaBi0.25Pb0.75O3. Physical Review B, 1990, 41, 6306-6314.	3.2	34
62	Thin, quench-condensed lead-based alloy films investigated by resistivity and superconducting tunneling measurements. Journal of Low Temperature Physics, 1973, 13, 1-38.	1.4	33
63	Highâ€frequency limits of superconducting tunnel junction mixers. Journal of Applied Physics, 1987, 62, 4482-4498.	2.5	33
64	Scaling behavior of the magnetic-field-tuned superconductor-insulator transition in two-dimensional Josephson-junction arrays. Physical Review B, 1995, 51, 15645-15648.	3.2	33
65	Superconductivity in ultrathin films I. Transition temperatures of amorphous Bi and Ga. European Physical Journal B, 1974, 18, 79-97.	1.5	32
66	Observation of the Coulomb Blockade of Cooper Pair Tunnelling in Single Josephson Junctions. Europhysics Letters, 1991, 16, 103-108.	2.0	32
67	Yurgenset al.Reply:. Physical Review Letters, 2004, 92, .	7.8	32
68	CeO2compatibility withYBa2Cu3O7â^'Îin superconducting-film multilayers. Physical Review B, 1997, 56, 11312-11319.	3.2	31
69	Highly anisotropic supercurrent transport inYBa2Cu3O7â^'Î´bicrystal Josephson junctions. Physical Review B, 1998, 57, 602-607.	3.2	31
70	Superconducting energy gaps and transition temperatures of quench-condensed cadmium and zinc films. Journal of Low Temperature Physics, 1973, 10, 735-750.	1.4	30
71	The antenna-coupled SIS quasiparticle array mixer. IEEE Transactions on Magnetics, 1981, 17, 690-693.	2.1	27
72	YBa2Cu3O7â^'xfilms on yttriaâ€stabilized ZrO2substrates: Influence of the substrate morphology. Journal of Applied Physics, 1994, 75, 7958-7965.	2.5	27

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73	Fabrication and investigation of YBa2Cu3O7âˆ'Î´/Ba0.05Sr0.95TiO3 thin film structures for voltage tunable devices. Physica C: Superconductivity and Its Applications, 1998, 308, 279-288.	1.2	27
74	THz Josephson properties of grain boundary YBaCuO junctions on symmetric, tilted bicrystal sapphire substrates. Journal of Applied Physics, 2004, 96, 3357-3361.	2.5	27
75	Field effect transistor based on a bi-crystal grain boundary Josephson junction. IEEE Transactions on Applied Superconductivity, 1993, 3, 2925-2928.	1.7	26
76	Coulombâ€‰blockadeâ€‰effectsâ€‰atâ€‰roomâ€‰temperatureâ€‰inâ€‰thin-film nanoconstrictions fabricated by a novel technique. Applied Physics Letters, 1998, 73, 3604-3606.	3.3	26
77	Shunted Josephson tunnel junctions: Highâ€frequency, selfâ€pumped low noise amplifiers. Journal of Applied Physics, 1982, 53, 5093-5103.	2.5	25
78	NbZr multilayers. II. Extended x-ray-absorption fine-structure study. Physical Review B, 1984, 29, 4969-4975.	3.2	25
79	Epitaxial growth and properties of YBa2Cu3O7âˆ'Î´/NdGaO3/YBa2Cu3O7âˆ'Î´trilayer structures. Applied Physics Letters, 1991, 59, 2606-2608.	3.3	25
80	Flux penetration into an artificially granular high-Tcsuperconductor. Physical Review B, 1999, 59, 12114-12120.	3.2	25
81	Order-disorder transformations at 2:1 composition in the cadmium-mercury system. Acta Metallurgica, 1966, 14, 285-290.	2.1	24
82	Exafs and X-ray diffraction studies of the hydration structure of stereochemically active Sn(II) ions in aqueous solution. Chemical Physics Letters, 1982, 93, 528-532.	2.6	24
83	Order-disorder transformation in Au-Cu alloys studied by extended x-ray-absorption fine structure. Physical Review B, 1984, 29, 1551-1557.	3.2	24
84	Novel design of rapid single flux quantum logic based on a single layer of a highâ€Tc superconductor. Applied Physics Letters, 1995, 67, 138-140.	3.3	24
85	Microstructure and dielectric parameters of epitaxial SrRuO3/BaTiO3/SrRuO3 heterostructures. Journal of Applied Physics, 2001, 89, 5053-5059.	2.5	24
86	Parametric amplification in arrays of Josephson tunnel junctions. Applied Physics Letters, 1977, 30, 298-300.	3.3	23
87	Low Noise Four-Photon Josephson Parametric Amplification. Japanese Journal of Applied Physics, 1987, 26, 1547.	1.5	23
88	Gap and sub-gap stuctures of intrinsic Josephson tunnel junctions in Bi 2 Sr 2 CaCu 2 O 8+x single crystals. , 1996, , .		23
89	Electromagnetic and microstructural characterization of YBa2Cu3O7step edge junctions on (001) LaAlO3substrates. Journal of Applied Physics, 1996, 79, 9213-9220.	2.5	22
90	Effect of the electromagnetic environment on Coulomb blockade devices: Model, experiments, and method of analysis. Physical Review B, 1998, 57, 2375-2381.	3.2	22

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91	Superconductivity of Nb5Ge3. Journal of Applied Physics, 1977, 48, 3998-3999.	2.5	21
92	A subharmonic Josephson relaxation oscillatorâ€”amplification and locking. Applied Physics Letters, 1981, 39, 504-506.	3.3	21
93	Bicrystal junctions and superconducting quantum interference devices in YBa2Cu3O7thin films. Journal of Applied Physics, 1994, 75, 7972-7977.	2.5	21
94	Phase-periodic proximity-effect compensation in symmetric normal/superconducting mesoscopic structures. Physical Review B, 1998, 58, 15088-15093.	3.2	21
95	Optimized transport properties of LaAlO₃SrTiO₃heterointerfaces by variation of pulsed laser fluence. Journal of Physics Condensed Matter, 2011, 23, 305002.	1.8	21
96	Reversible metal-insulator transition of Ar-irradiated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaAl</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow><mml:mo></mml:mo><mml:mrow><mml:mi>Sr mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>interfaces. Physical Review B, 2015, 92, .	3.2	20
97	Superconducting transition temperatures of mercury-alkaline earth metal compounds. Journal of Physics and Chemistry of Solids, 1966, 27, 1081-1085.	4.0	19
98	Superconductivity in the Alloy System Cadmium-Mercury and the Effect of Ordering upon Superconductivity. Physical Review, 1966, 141, 412-418.	2.7	19
99	Superconducting transition temperatures of vapour quenched Ag-In and Ag-Sn multilayers. Solid State Communications, 1979, 32, 531-535.	1.9	19
100	An experimental implementation of high-Tc-based RSFQ set-reset trigger at 4.2 K. Superconductor Science and Technology, 1994, 7, 239-241.	3.5	19
101	The electron-phonon coupling and phonon spectra in lead-thallium alloys studied by electron tunnelling. Journal of Physics and Chemistry of Solids, 1968, 29, 387-397.	4.0	18
102	Verification of zero pair potential in a magnetic metal by superconductive tunnelling. Thin Solid Films, 1980, 66, 151-158.	1.8	18
103	Junction parameters of mtsp;YBa2Cu3O7 step edge junctions on mtsp;LaAlO3 substrates from Fiske resonances. Applied Physics Letters, 1995, 66, 1677-1679.	3.3	18
104	Interlayer Coupling and Superconducting Critical Temperature ofBi2Sr1.5La0.5CuO6+Î´andBi2Sr2CaCu2O8+Î´: Incommensurate Effects of Pressure. Physical Review Letters, 1999, 82, 3148-3151.	7.8	18
105	Ba0.25Sr0.75TiO3 thin-film varactors on SrRuO3 bottom electrode. Journal of Applied Physics, 2006, 99, 034103.	2.5	18
106	Laserâ€deposited PrGaO3films on SrTiO3substrates and in YBa2Cu3O7/PrGaO3/YBa2Cu3O7trilayers. Applied Physics Letters, 1992, 61, 486-488.	3.3	17
107	YBa2Cu3O7â^'ÎJosephson junctions on directionally ion beam etched MgO substrates. Applied Physics Letters, 1993, 63, 2141-2143.	3.3	17
108	Coulomb blockade thermometry using a two-dimensional array of tunnel junctions. Journal of Applied Physics, 1999, 86, 3844-3847.	2.5	17

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109	On the concept of a normal metal hot-electron microbolometer for space applications. IEEE Transactions on Applied Superconductivity, 1999, 9, 3186-3189.	1.7	17
110	The order and annealing of quench-condensed lead-based alloys studied by the phonon spectrum from electron tunnelling and by resistance measurements. Thin Solid Films, 1973, 16, 65-79.	1.8	16
111	Ratio between energy gap and transition temperature in ultrathin superconducting films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1973, 45, 431-432.	2.1	16
112	Superconductivity of vapour quenched beryllium and beryllium-based alloys. Zeitschrift FÃ¼r Physik B Condensed Matter and Quanta, 1975, 20, 13-20.	1.9	16
113	Extended x-ray absorption fine-structure investigation ofNb3Ge films. Physical Review B, 1982, 25, 6666-6672.	3.2	16
114	A millimeter wave Josephson mixer employing a highâ€TcGdBaCuO point contact. Journal of Applied Physics, 1987, 62, 4923-4926.	2.5	16
115	Epitaxial heterostructures YBa2Cu3O7âˆ'Î´/KTaO3 for microwave applications. Applied Physics Letters, 1995, 67, 2708-2710.	3.3	16
116	Impact of microstructure on the tunability of the permittivity and the conductance of the Ba0.25Sr0.75TiO3layer in superconductor/ferroelectric epitaxial heterostructures. Superconductor Science and Technology, 1999, 12, 654-662.	3.5	16
117	A fast, primary Coulomb blockade thermometer. Applied Physics Letters, 2001, 78, 1264-1266.	3.3	16
118	Superconducting transition temperatures of vapour quenched beryllium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1974, 47, 97-98.	2.1	15
119	Observations of the a.c. Josephson Effect in High- T _c YBaCuO Point Contacts. Europhysics Letters, 1987, 4, 357-363.	2.0	15
120	Dielectric response of epitaxial (100)SrTiO3 films between electrodes of SrRuO3 or high-Tc superconducting YBa2Cu3O7âˆ'Î´. Physica C: Superconductivity and Its Applications, 2000, 336, 300-311.	1.2	15
121	Superconductivity of Magnesium-based Alloys. Physica Scripta, 1974, 9, 353-356.	2.5	14
122	X-ray absorption study of superconducting BaBi 1-x Pb x O 3 and BaBiO 3. Physica C: Superconductivity and Its Applications, 1989, 162-164, 544-545.	1.2	14
123	Linewidth of Bloch oscillations in small Josephson junctions. Physica B: Condensed Matter, 1994, 203, 376-380.	2.7	14
124	Correlated local distortions of the TlO layers inTl2Ba2CuOy: An x-ray-absorption study. Physical Review B, 1995, 51, 8564-8581.	3.2	14
125	Epitaxial ferroelectric/superconductor heterostructures. Physica C: Superconductivity and Its Applications, 1997, 282-287, 111-114.	1.2	14
126	Subharmonic Shapiro steps and noise in high-T c superconductor Josephson junctions. JETP Letters, 1998, 68, 454-459.	1.4	14

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127	c-Axis oriented epitaxial Ba0.25Sr0.75TiO3 films display Curieâ€“Weiss behavior. Physica B: Condensed Matter, 2002, 311, 250-262.	2.7	14
128	Non-Equilibrium Superconductivity in Aluminium Tunnel Junctions by Self-Injection and Millimeter Wave Radiation. Physica Scripta, 1985, 32, 317-322.	2.5	13
129	Properties of artificial grain boundary weak links grown on Y-ZrO2bicrystals. Superconductor Science and Technology, 1991, 4, 439-441.	3.5	13
130	1-D array implementation of the resistively-coupled single-electron transistor. IEEE Transactions on Magnetics, 1991, 27, 2581-2584.	2.1	13
131	Preparation and properties of Tl2Ba2CaCu2O8 thin films. Journal of Superconductivity and Novel Magnetism, 1994, 7, 767-771.	0.5	13
132	Biepitaxial Josephson junctions with high critical current density based on YBa2Cu3O7â˜Î´films on silicon on sapphire. Journal of Applied Physics, 1995, 77, 1654-1657.	2.5	13
133	Phase-sensitive reentrance into the normal state of mesoscopic SNS structures. JETP Letters, 1998, 67, 513-520.	1.4	13
134	Transport and structural properties of the top and bottom grain boundaries in YBa2Cu3O7â˜Î´ step-edge Josephson junctions. Applied Physics Letters, 1998, 72, 249-251.	3.3	13
135	A variable temperature scanning SQUID microscope. IEEE Transactions on Applied Superconductivity, 1999, 9, 4115-4118.	1.7	13
136	Retention of Electronic Conductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaAlO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Using a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrCuO</mml:mi>. Physical Review Applied, 2016, 6, .	3.8	13
137	Localized phonons and lattice order transformations in thallium based alloys by superconductive tunneling. European Physical Journal A, 1974, 269, 23-29.	2.5	12
138	Superconductivity and magnetism in dilute CdMn alloys. Strong depression in Tc. Solid State Communications, 1976, 20, 233-235.	1.9	12
139	Lowâ€noise Josephson parametric amplification and oscillations at 9 GHz. Journal of Applied Physics, 1988, 64, 5234-5243.	2.5	12
140	Properties of YBCO junctions and squids on YSZ bicrystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2597-2598.	1.2	12
141	Experimental investigation of two-dimensional arrays of ultrasmall Josephson junctions. Physica Scripta, 1992, T42, 182-188.	2.5	12
142	Detection of mm and submm wave radiation from soliton and flux-flow modes in a long Josephson junction. IEEE Transactions on Applied Superconductivity, 1993, 3, 2520-2523.	1.7	12
143	Homogeneous superconductivity at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></ interface probed by nanoscale transport. Physical Review B, 2017, 96, .	3.2	12
144	Superconductivity for ternary F.C.C. Bïï£¿Pbï£¿Tl Alloys. Physica Status Solidi (B): Basic Research, 1970, 42, 321-327.	1.5	11

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145	Superconductivity in ultrathin films II. Structure in tunneling curves. European Physical Journal B, 1974, 18, 99-120.	1.5	11
146	Basic Josephson tunnel parameters at microwave frequencyâ€"Strong temperature variations. Journal of Applied Physics, 1979, 50, 7070-7081.	2.5	11
147	Extended X-ray absorption fine structure of high Tc ceramic superconductors. Physica Scripta, 1988, 37, 912-917.	2.5	11
148	Field effect devices based on metal-insulator-YBa/sub 2/Cu/sub 3/O/sub 7-x/ films. IEEE Transactions on Applied Superconductivity, 1993, 3, 2922-2924.	1.7	11
149	Josephson transport in Tl-cuprate bicrystal weak links. Journal of Low Temperature Physics, 1996, 105, 1261-1266.	1.4	11
150	Flux flow and vortex tunneling in two-dimensional arrays of small Josephson junctions. Physical Review B, 1996, 54, 9449-9457.	3.2	11
151	Partial filling of columnar defects by vortices as seen in measurements of thec-axis critical current ofBi2Sr2CaCu2O8+Î´. Physical Review B, 1999, 60, 12480-12484.	3.2	11
152	Impact of domain wall displacements on the dielectric permittivity of epitaxial Ba0.5Sr0.5TiO3 films. Applied Physics Letters, 2001, 79, 2052-2054.	3.3	11
153	New phase in the mercury-indium system. Journal of the Less Common Metals, 1966, 11, 186-190.	0.8	10
154	Observations of gapless superconductivity induced by metallic contact. Solid State Communications, 1966, 4, 385-389.	1.9	10
155	Relaxation Oscillations in Inductively Shunted Josephson Tunnel Junctions. Physica Scripta, 1982, 25, 837-843.	2.5	10
156	Local structure of YBa2Cu3Oy with varying oxygen content and substitutional dopants on the Cu sites. Physica C: Superconductivity and Its Applications, 1988, 153-155, 852-853.	1.2	10
157	Growth and properties of YBa2Cu3O7â^'x/(SrTiO3/PrGaO3)/YBa2Cu3O7â^'xtrilayers: Optimization of the insulation. Journal of Applied Physics, 1994, 75, 827-834.	2.5	10
158	Tunneling through grain boundaries of YBa2Cu3O7 stepâ€edge junctions. Applied Physics Letters, 1996, 68, 2562-2564.	3.3	10
159	Fabrication and properties of high-Tc ramp junctions with manganite barriers. Physica C: Superconductivity and Its Applications, 1999, 326-327, 79-82.	1.2	10
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