Dag Winkler

List of Publications by Year
in descending order

192 papers	4,378 citations	136885 32 h-index	128225 60 g-index
200 all docs	200 docs citations	200 times ranked	2946 citing authors

#	Article	IF	Citations
1	Gate-tunable pairing channels in superconducting non-centrosymmetric oxides nanowires. Npj Quantum Materials, 2022, 7, .	1.8	8
2	Nanopatterning of Weak Links in Superconducting Oxide Interfaces. Nanomaterials, 2021, 11, 398.	1.9	6
3	Non-Thermal Absorption and Quantum Efficiency of SINIS Bolometer. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	4
4	A 90 GHz SINIS Detector With 2 GHz Readout. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	3
5	A 7-Channel High-${T}_ext{c}$ SQUID-Based On-Scalp MEG System. IEEE Transactions on Biomedical Engineering, 2020, 67, 1483-1489.	2.5	24
6	On-scalp MEG SQUIDs are sensitive to early somatosensory activity unseen by conventional MEG. NeuroImage, 2020, 221, 117157.	2.1	14
7	SQUID Magnetometer Based on Grooved Dayem Nanobridges and a Flux Transformer. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.1	13
8	Properties of grooved Dayem bridge based YBa2Cu3 O 7 â˜' Î´ superconducting quantum interference devices and magnetometers. Applied Physics Letters, 2020, 116, 132601.	1.5	20
9	Detection of interictal epileptiform discharges: A comparison of on-scalp MEG and conventional MEG measurements. Clinical Neurophysiology, 2020, 131, 1711-1720.	0.7	11
10	The role of kinetic inductance on the performance of YBCO SQUID magnetometers. Superconductor Science and Technology, 2020, 33, 025007.	1.8	11
11	On-scalp MEG sensor localization using magnetic dipole-like coils: A method for highly accurate co-registration. NeuroImage, 2020, 212, 116686.	2.1	12
12	Homogeneous Differential Magnetic Assay. ACS Sensors, 2019, 4, 2381-2388.	4.0	13
13	Characterization of Binding of Magnetic Nanoparticles to Rolling Circle Amplification Products by Turn-On Magnetic Assay. Biosensors, 2019, 9, 109.	2.3	2
14	Magnetic field sensing with the kinetic inductance of a high-Tc superconductor. AIP Advances, 2019, 9, .	0.6	5
15	Grooved Dayem Nanobridges as Building Blocks of High-Performance YBa₂Cu₃O_{7â˜'Î´} SQUID Magnetometers. Nano Letters, 2019, 19, 1902-1907.	4.5	23
16	Volume-amplified magnetic bioassay integrated with microfluidic sample handling and high-Tc SQUID magnetic readout. APL Bioengineering, 2018, 2, 016102.	3.3	11
17	Development of a Sensitive Induction-Based Magnetic Nanoparticle Biodetection Method. Nanomaterials, 2018, 8, 887.	1.9	8
18	Feedback solutions for low crosstalk in dense arrays of high-T_cSQUIDs for on-scalp MEG. Superconductor Science and Technology, 2017, 30, 054006.	1.8	10

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19	Benchmarking for On-Scalp MEG Sensors. IEEE Transactions on Biomedical Engineering, 2017, 64, 1270-1276.	2.5	20
20	Improved coupling of nanowire-based high-T_cSQUID magnetometersâ€”simulations and experiments. Superconductor Science and Technology, 2017, 30, 115014.	1.8	9
21	Magnetic waveguides for neutron reflectometry. Physical Review B, 2017, 96, .	1.1	11
22	High-T_cSQUID biomagnetometers. Superconductor Science and Technology, 2017, 30, 083001.	1.8	60
23	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><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> interface probed by nanoscale transport. Physical Review B, 2017, 96, .	1.1	11
24	Electrical and optical properties of a bolometer with a suspended absorber and tunneling-current thermometers. Applied Physics Letters, 2017, 110, .	1.5	8
25	Sensitive magnetic biodetection using magnetic multi-core nanoparticles and RCA coils. Journal of Magnetism and Magnetic Materials, 2017, 427, 14-18.	1.0	12
26	Nondestructive cleaning of the LaAlO3/SrTiO3 surface with ultraviolet light and ozone. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	0.6	0
27	Operation of a high-T_CSQUID gradiometer with a two-stage MEMS-based Jouleâ€“Thomson micro-cooler. Superconductor Science and Technology, 2016, 29, 095014.	1.8	7
28	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></mml:mrow></mml:msub></mml:mrow></mml:math> 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></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Applied, 2016, 6, .	1.5	13
29	Magnetic proximity effect at the interface between a cuprate superconductor and an oxide spin valve. Journal of Experimental and Theoretical Physics, 2016, 122, 738-747.	0.2	10
30	Hardening of the soft phonon in bulk<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LaAlO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2016, 93, .	1.1	6
31	Spin-triplet superconducting current in metal-oxide heterostructures with composite ferromagnetic interlayer. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	0
32	1D Josephson quantum interference grids: diffraction patterns and dynamics. Journal Physics D: Applied Physics, 2016, 49, 065303.	1.3	3
33	Experimental Study of Spectral Properties of a Frenkel-Kontorova System. Physical Review Letters, 2015, 115, 107002.	2.9	10
34	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, .	1.1	20
35	Triplet superconductivity in oxide ferromagnetic interlayer of mesa-structure. Journal of Physics: Conference Series, 2015, 592, 012136.	0.3	0
36	High- <inline-formula> <tex-math notation="TeX">$T_{m c}$</tex-math></inline-formula> SQUID vs. Low- <inline-formula> <tex-math notation="TeX">$T_{m c}$</tex-math></inline-formula> SQUID-Based Recordings on a Head Phantom: Benchmarking for Magnetoencephalography. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	17

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37	Single-crystalline Bi2Sr2CaCu2O8+x detectors for direct detection of microwave radiation. Applied Physics Letters, 2015, 106, .	1.5	5
38	Cation stoichiometry and electrical transport properties of the NdGaO3/(0â€‰0â€‰1)SrTiO3interface. Journal of Physics Condensed Matter, 2015, 27, 255004.	0.7	4
39	Evidence for spin-triplet superconducting correlations in metal-oxide heterostructures with noncollinear magnetization. Physical Review B, 2014, 90, .	1.1	36
40	Pulsed Laser Deposition of Thin YBCO Films on Faceted YSZ Single Crystal Fibers. Journal of Physics: Conference Series, 2014, 507, 022033.	0.3	5
41	Magnetorefractive and Kerr effects in the [La0.67Ca0.33MnO3/La0.67Sr0.33MnO3] superlattices. Superlattices and Microstructures, 2014, 75, 680-691.	1.4	6
42	Hybrid superconducting mesa-heterostructure with manganite-ruthenate interlayer. Journal of Physics: Conference Series, 2014, 507, 042007.	0.3	0
43	Growth of YBa2Cu3O7 films with [110] tilt of CuO planes to surface on SrTiO3 crystals. Crystallography Reports, 2013, 58, 488-492.	0.1	2
44	Improvement of Ultra-Low Field Magnetic Resonance Recordings With a Multilayer Flux-Transformer-Based High-$T_{m C}$ SQUID Magnetometer. IEEE Transactions on Applied Superconductivity, 2013, 23, 1602704-1602704.	1.1	11
45	Nano-patterning of the electron gas at the LaAlO3/SrTiO3 interface using low-energy ion beam irradiation. Applied Physics Letters, 2013, 102, .	1.5	43
46	Atomic rearrangements at the TiO 2 -terminated (001)SrTiO 3 surface and growth of thin LaMnO 3 films. Europhysics Letters, 2013, 102, 56003.	0.7	8
47	Noise properties of high-T_c superconducting flux transformers fabricated using chemical-mechanical polishing. Applied Physics Letters, 2012, 101, 042602.	1.5	10
48	High-Tc superconducting quantum interference device recordings of spontaneous brain activity: Towards high-Tc magnetoencephalography. Applied Physics Letters, 2012, 100, .	1.5	65
49	Electrical and structural properties of ABO3/SrTiO3 interfaces. Materials Research Society Symposia Proceedings, 2012, 1454, 167-172.	0.1	4
50	Inhomogeneous Microstructure and Electrical Transport Properties at the LaAlO$_{3}$/SrTiO$_{3}$ Interface. Japanese Journal of Applied Physics, 2012, 51, 11PG10.	0.8	1
51	Inhomogeneous Microstructure and Electrical Transport Properties at the LaAlO3/SrTiO3Interface. Japanese Journal of Applied Physics, 2012, 51, 11PG10.	0.8	1
52	Proximity effect and electron transport in oxide hybrid heterostructures with superconducting/magnetic interfaces. Superconductor Science and Technology, 2011, 24, 055012.	1.8	6
53	Growth of YBa2Cu3O7 films with [100] tilt of CuO planes to the surface on SrTiO3 crystals. Crystallography Reports, 2011, 56, 152-156.	0.1	4
54	Optimized transport properties of LaAlO₃SrTiO₃heterointerfaces by variation of pulsed laser fluence. Journal of Physics Condensed Matter, 2011, 23, 305002.	0.7	21

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55	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.	0.7	42
56	Effect of an interface boundary on the magnetooptical and magnetotransport properties of La0.67Ca0.33MnO3/La0.67Sr0.33MnO3 heterostructures. Technical Physics, 2010, 55, 1161-1167.	0.2	3
57	A new approach for bioassays based on frequency- and time-domain measurements of magnetic nanoparticles. Biosensors and Bioelectronics, 2010, 25, 1008-1013.	5.3	46
58	In situ detection of radiation and heat balance in large Bi2212 mesas. Physica C: Superconductivity and Its Applications, 2010, 470, 818-821.	0.6	3
59	The need for stable, mono-dispersed, and biofunctional magnetic nanoparticles for one-step magnetic immunoassays. Journal of Physics: Conference Series, 2010, 200, 122006.	0.3	4
60	Electron transport and microwave dynamics of hybrid Nb/Au/CaSrCuO/YBaCuO planar Josephson junctions. Journal of Physics: Conference Series, 2010, 234, 042004.	0.3	6
61	Kelvin Probe Force Microscopy Study of LaAlO₃/SrTiO₃ Heterointerfaces. Journal of Advanced Microscopy Research, 2010, 5, 26-30.	0.3	10
62	Intrinsic Josephson Tunneling in High-Temperature Superconductors. Nanoscience and Technology, 2010, , 137-161.	1.5	0
63	Fast and Sensitive Measurement of Specific Antigen-Antibody Binding Reactions With Magnetic Nanoparticles and HTS SQUID. IEEE Transactions on Applied Superconductivity, 2009, 19, 848-852.	1.1	18
64	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><mml Evidenced by Medium-Energy Ion Spectroscopy. Physical Review Letters, 2009, 103, 146101.	2.9	113
65	Evaluation of recipes for obtaining single terminated perovskite oxide substrates. Surface Science, 2009, 603, 151-157.	0.8	24
66	Towards an electrowetting-based digital microfluidic platform for magnetic immunoassays. Lab on A Chip, 2009, 9, 3433.	3.1	18
67	Small-number arrays of intrinsic Josephson junctions. Physica C: Superconductivity and Its Applications, 2008, 468, 674-678.	0.6	7
68	Analysis of the possibility to amplify an RF signal with a superconducting quantum interference filter. Journal of Communications Technology and Electronics, 2008, 53, 934-940.	0.2	13
69	Temperature sensitivity and noise of an HTSC Josephson detector on a sapphire bicrystal substrate at 77 K. JETP Letters, 2008, 86, 718-720.	0.4	4
70	High-frequency dynamics of hybrid oxide Josephson heterostructures. Physical Review B, 2008, 78, .	1.1	34
71	Properties of a Biophotovoltaic Nanodevice. Journal of Physical Chemistry C, 2008, 112, 18717-18721.	1.5	10
72	Effect of various deposition conditions on the electrical properties of LAO/STO hetero interfaces. Journal of Physics: Conference Series, 2008, 100, 082039.	0.3	7

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73	High-T_c SQUID gradiometer system for immunoassays. Superconductor Science and Technology, 2008, 21, 034004.	1.8	14
74	Superconducting Quantum Interference Filters as RF Amplifiers. IEEE Transactions on Applied Superconductivity, 2007, 17, 718-721.	1.1	19
75	Intrinsic Josephson junctions formed inside ultra-thin BSCCO single crystals. Superconductor Science and Technology, 2007, 20, S28-S33.	1.8	3
76	Self-consistent estimations of heating in stacks of intrinsic Josephson junctions. Superconductor Science and Technology, 2007, 20, S48-S53.	1.8	6
77	High Resolution Thermal Imaging of Hotspots in Superconducting Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3215-3218.	1.1	12
78	Josephson Effect in Hybrid Oxide Heterostructures with an Antiferromagnetic Layer. Physical Review Letters, 2007, 99, 017004.	2.9	27
79	HTS SQUID measurements of evoked magnetic fields from transverse hippocampal slices. International Congress Series, 2007, 1300, 578-581.	0.2	0
80	Effect of oxygen vacancies in theSrTiO3substrate on the electrical properties of theLaAlO3âˆ•SrTiO3interface. Physical Review B, 2007, 75, .	1.1	657
81	Conductivity and antiferromagnetism of CaCuO2 thin films doped by Sr. Physica C: Superconductivity and Its Applications, 2007, 460-462, 536-537.	0.6	2
82	Intrinsic Josephson junctions in mesas and ultrathin BSCCO single crystals: Ultimate control of shape and dimensions. Physica C: Superconductivity and Its Applications, 2007, 460-462, 316-319.	0.6	0
83	Superconducting weak bonds at grain boundaries in MgB2. Journal of Experimental and Theoretical Physics, 2007, 105, 636-641.	0.2	4
84	Single intrinsic Josephson junction with double-sided fabrication technique. Applied Physics Letters, 2006, 88, 222501.	1.5	20
85	Development of a High-Tc SQUID-Based System for Neurophysiology Studies In-Vitro. Journal of Physics: Conference Series, 2006, 43, 1243-1246.	0.3	0
86	Smooth NdBa2Cu3O7âˆ’Îґthin films and ramp Josephson junctions. Journal of Physics: Conference Series, 2006, 43, 1139-1142.	0.3	1
87	SCENET roadmap for superconductor digital electronics. Physica C: Superconductivity and Its Applications, 2006, 439, 1-41.	0.6	58
88	Current-induced in-plane superconducting transition in intrinsic Josephson junctions. Superconductor Science and Technology, 2006, 19, S209-S212.	1.8	3
89	Thickness dependence of the superconducting properties of ultra-thin Bi2Sr2CaCu2O8+xsingle crystals. Superconductor Science and Technology, 2006, 19, S205-S208.	1.8	7
90	Grain boundary weak link in a-b plane in MgB2 film. Applied Physics Letters, 2006, 89, 213111.	1.5	6

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91	A Cys23â€“Ser23 substitution in the 5-HT receptor gene influences body weight regulation in females with seasonal affective disorder: An Austrianâ€“Canadian collaborative study. Journal of Psychiatric Research, 2005, 39, 561-567.	1.5	8
92	Superconducting critical current of a singleCu2O4plane in aBi2Sr2CaCu2O8+xsingle crystal. Physical Review B, 2005, 71, .	1.1	23
93	Superconducting properties of ultrathin Bi2Sr2CaCu2O8+x single crystals. Journal of Applied Physics, 2005, 98, 033913.	1.1	16
94	VORTEX FLUCTUATIONS IN WEAK MAGNETIC FIELDS. Fluctuation and Noise Letters, 2005, 05, R1-R12.	1.0	1
95	Yurgenset al.Reply:. Physical Review Letters, 2004, 92, .	2.9	32
96	Vortex fluctuations in high-Tcthin films close to the resistive transition. Physical Review B, 2004, 70, .	1.1	5
97	Vortex fluctuations in YBCO thin films: influence of weak magnetic fields. , 2004, 5469, 129.		0
98	Intrinsic Tunneling Spectra ofBi2(Sr2â^'xLax)CuO6+Î´. Physical Review Letters, 2003, 90, 147005.	2.9	61
99	Superconducting analogue electronics for research and industry. Superconductor Science and Technology, 2003, 16, 1583-1590.	1.8	7
100	An HTS SQUID picovoltmeter used as preamplifier for Rogowski coil sensors. Physica C: Superconductivity and Its Applications, 2002, 368, 130-133.	0.6	4
101	Noise properties of an YBCO SQUID. Physica C: Superconductivity and Its Applications, 2002, 368, 191-195.	0.6	2
102	Introduction to section E4. Handbook of Superconducting Materials, 2002, , 1755-1832.	0.0	0
103	Intrinsic tunneling in high-Tc Bi2212 crystals supports a coexistence of superconducting and pseudo-gaps. Physica C: Superconductivity and Its Applications, 2001, 352, 89-94.	0.6	7
104	Pseudogap features of intrinsic tunneling in Bi2212 single crystals. Physica C: Superconductivity and Its Applications, 2001, 362, 286-289.	0.6	10
105	Intrinsic Josephson tunneling for basic studies of high-temperature superconductors. Current Applied Physics, 2001, 1, 413-417.	1.1	1
106	Fabrication of Bi/sub 2/Sr/sub 2/CaCu/sub 2/O/sub 8+Î´/ films and intrinsic Josephson junctions. IEEE Transactions on Applied Superconductivity, 2001, 11, 2703-2706.	1.1	1
107	An HTS SQUID picovoltmeter with a flip-chip flux transformer. IEEE Transactions on Applied Superconductivity, 2001, 11, 892-895.	1.1	5
108	Self-heating in small mesa structures. Journal of Applied Physics, 2001, 89, 5578-5580.	1.1	56

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109	Discharge measurements using a HTS-SQUID based amplifier system. IEEE Transactions on Applied Superconductivity, 2001, 11, 256-259.	1.1	2
110	Magnetic Field Dependence of the Superconducting Gap and the Pseudogap in Bi2212 andHgBr2-Bi2212, Studied by Intrinsic Tunneling Spectroscopy. Physical Review Letters, 2001, 86, 2657-2660.	2.9	132
111	Flux-flow branches and Fiske steps in Bi-2212 mesas. Physica B: Condensed Matter, 2000, 284-288, 1856-1857.	1.3	4
112	Rapid deposition of biaxially-textured CeO2 buffer layers on polycrystalline nickel alloy for superconducting tapes by ion assisted pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2000, 336, 70-74.	0.6	19
113	YBa2Cu3O7â˜Î´ hot-electron bolometer mixer. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2653-2654.	0.6	2
114	Comparison of Josephson fluxon modes in high- and low-temperature superconducting stacked Josephson junctions. Physical Review B, 2000, 61, 766-777.	1.1	26
115	Evidence for Coexistence of the Superconducting Gap and the Pseudogap in Bi-2212 from Intrinsic Tunneling Spectroscopy. Physical Review Letters, 2000, 84, 5860-5863.	2.9	306
116	A nanoscale YBCO mixer optically coupled with a bow tie antenna. Superconductor Science and Technology, 1999, 12, 853-855.	1.8	60
117	Intrinsic Josephson effects in submicrometre Bi2212 mesas fabricated by using focused ion beam etching. Superconductor Science and Technology, 1999, 12, 1013-1015.	1.8	6
118	Subharmonic locking in Josephson junctions. IEEE Transactions on Applied Superconductivity, 1999, 9, 3745-3748.	1.1	1
119	Bi2Sr2CaCu2O8+Îîntrinsic Josephson junctions in a magnetic field. Physical Review B, 1999, 59, 7196-7204.	1.1	46
120	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.	1.1	11
121	Interlayer Coupling and Superconducting Critical Temperature ofBi2Sr1.5La0.5CuO6+Î´andBi2Sr2CaCu2O8+Î´: Incommensurate Effects of Pressure. Physical Review Letters, 1999, 82, 3148-3151.	2.9	18
122	Shape of a moving fluxon in stacked Josephson junctions. Physical Review B, 1999, 60, 13179-13188.	1.1	9
123	EFFECT OF PRESSURE ON INTERLAYER COUPLING AND SUPERCONDUCTING TRANSITION TEMPERATURE OF Bi-2201 AND Bi-2212. International Journal of Modern Physics B, 1999, 13, 3744-3746.	1.0	2
124	Fluxon modes in stacked HTSC intrinsic Josephson junctions. Applied Superconductivity, 1999, 6, 777-782.	0.5	2
125	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1211-1215.	0.6	1
126	Fiske steps in intrinsicBi2Sr2CaCu2O8+xstacked Josephson junctions. Physical Review B, 1999, 59, 8463-8466.	1.1	84

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127	A SQUID picovoltmeter working at 77 K. IEEE Transactions on Applied Superconductivity, 1999, 9, 3495-3498.	1.1	9
128	Superconducting films and devices. Current Opinion in Solid State and Materials Science, 1999, 4, 45-52.	5.6	1
129	PSEUDO-GAP FEATURES OF INTRINSIC TUNNELING IN (HgBr2)-Bi2212 SINGLE CRYSTALS. International Journal of Modern Physics B, 1999, 13, 3758-3763.	1.0	55
130	Magnetic field dependence of the critical current in stacked Josephson junctions. Evidence for fluxon modes in Bi2Sr2CaCu2O8+x mesas. Physica C: Superconductivity and its Applications, 1998, 304, 172-178.	0.6	13
131	Multiple-valuedc-axis critical current and phase locking inBi2Sr2CaCu2O8+Î´single crystals. Physical Review B, 1998, 57, R8135-R8138.	1.1	49
132	In situcontrolled fabrication of stacks of high-Tc intrinsic Josephson junctions. Applied Physics Letters, 1997, 70, 1760-1762.	1.5	57
133	Grain boundary evolution of YBa2Cu3O7âˆ’Î´ in the vicinity of steps on patterned (001) LaAlO3 substrates. Applied Physics Letters, 1997, 70, 2903-2905.	1.5	6
134	Epitaxial YBa/sub 2/Cu/sub 3/O/sub 7/(7-x) thin films on CeO/sub 2/ buffered sapphire for optical mixers. IEEE Transactions on Applied Superconductivity, 1997, 7, 2599-2602.	1.1	3
135	Josephson flux-flow resonances and transistors based on YBa/sub 2/Cu/sub 3/O/sub 7/ step edge junctions. IEEE Transactions on Applied Superconductivity, 1997, 7, 2623-2626.	1.1	3
136	Static and dynamic properties of stacked Josephson junctions:â€ƒAnalytic solution. Physical Review B, 1997, 56, 9106-9115.	1.1	41
137	Relationship between the Out-Of-Plane Resistance and the Subgap Resistance of Intrinsic Josephson Junctions inBi2Sr2CaCu2O8+Î´. Physical Review Letters, 1997, 79, 5122-5125.	2.9	55
138	Nucleation and growth of YBa2Cu3O7âˆ’Î´ on wavy step edges in (001) LaAiO3. Journal of Alloys and Compounds, 1997, 251, 19-22.	2.8	6
139	Differences in the nucleation rate of YBa2Cu3O7-Î´ on patterned (001) LaAlO3 substrates. Physica C: Superconductivity and its Applications, 1997, 282-287, 623-624.	0.6	0
140	C-axis magnetoresistance of a few atomic surface layers of the Bi:2212 single crystals. Physica C: Superconductivity and its Applications, 1997, 282-287, 2293-2294.	0.6	2
141	The c-axis gap parameter and resistivity of an individual intrinsic tunnel junction in Bi-2212 single crystals. Physica C: Superconductivity and its Applications, 1997, 293, 181-185.	0.6	1
142	9.6 Î¼m wavelength mixing in a patterned YBa2Cu3O7â€Î´ thin film. Applied Physics Letters, 1996, 68, 1418-1420	1.5	19
143	Gap and sub-gap stuctures of intrinsic Josephson tunnel junctions in Bi 2 Sr 2 CaCu 2 O 8+x single crystals. , 1996, , .		23
144	Peak in the temperature dependence of the c-axis Josephson current in Bi2Sr2CaCu2O8+x intrinsic Josephson junctions. European Physical Journal D, 1996, 46, 1273-1274.	0.4	3

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145	Intrinsic Josephson junctions in Bi2Sr2CaCu2O8+Î´ single crystals. European Physical Journal D, 1996, 46, 1293-1294.	0.4	1
146	Strong temperature dependence of thec-axis gap parameter ofBi2Sr2CaCu2O8+Î´intrinsic Josephson junctions. Physical Review B, 1996, 53, R8887-R8890.	1.1	133
147	Tunneling through grain boundaries of YBa2Cu3O7 stepâ€edge junctions. Applied Physics Letters, 1996, 68, 2562-2564.	1.5	10
148	Electromagnetic and microstructural characterization of YBa2Cu3O7step edge junctions on (001) LaAlO3substrates. Journal of Applied Physics, 1996, 79, 9213-9220.	1.1	22
149	Nonequilibrium and bolometric responses of YBaCuO thin films to high-frequency modulated laser radiation. Journal of Superconductivity and Novel Magnetism, 1995, 8, 11-15.	0.5	1
150	Microstructure and properties of artificial grain boundaries in epitaxial YBA2Cu3O7â^'Î´ thin films grown on [001] tilt Yî—¸ZrO2 bicrystals. Physica C: Superconductivity and Its Applications, 1995, 247, 263-279.	0.6	28
151	RF characterization of Josephson flux-flow transistors: design, modeling, and on-wafer measurement. IEEE Transactions on Applied Superconductivity, 1995, 5, 3385-3388.	1.1	7
152	Electron beam lithographed straight and wavy YBa/sub 2/Cu/sub 3/O/sub 7/ step edge junctions. IEEE Transactions on Applied Superconductivity, 1995, 5, 2778-2781.	1.1	8
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