

H Hilgenkamp Or Jwm Hilgenkamp Or

List of Publications by Year in descending order

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168
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6427
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#	ARTICLE	IF	CITATIONS
1	Multi-level operation in VO ₂ -based resistive switching devices. AIP Advances, 2022, 12, .	0.6	15
2	Josephson Memories. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1621-1625.	0.8	6
3	Gate-tuned anomalous Hall effect driven by Rashba splitting in intermixed LaAlO ₃ /GdTiO ₃ /SrTiO ₃ . Scientific Reports, 2021, 11, 10726.	1.6	6
4	Quantum oscillations in an optically-illuminated two-dimensional electron system at the LaAlO ₃ /SrTiO ₃ interface. Journal of Physics Condensed Matter, 2021, 33, 465002.	0.7	3
5	Electron Trapping Mechanism in $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. Physical Review Letters, 2020, 124, 017702.	1.9	35
6	Structure and magnetic properties of epitaxial CaFe ₂ O ₄ thin films. Npj Quantum Materials, 2020, 5, .	1.8	12
7	MoRe/YBCO Josephson junctions and π -loops. Superconductor Science and Technology, 2020, 33, 044005.	1.8	4
8	Resistive switching studies in VO ₂ thin films. Scientific Reports, 2020, 10, 3293.	1.6	29
9	Acoustoelectric charge transport at the LaAlO ₃ /SrTiO ₃ interface. Applied Physics Letters, 2020, 116, .	1.5	8
10	Thermal-strain-engineered ferromagnetism of $\text{LaMnO}_3/\text{SrTiO}_3$ heterostructures grown on silicon. Physical Review Materials, 2020, 4, .	1.9	17
11	Mapping unit-cell thickness variations in thin films by post-deposition reflection high-energy electron diffraction. Physical Review Materials, 2020, 4, .	0.9	3
12	π -Loops With ds Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
13	Suppressing superconductivity by adding it. Nature Materials, 2019, 18, 913-914.	13.3	0
14	Ferromagnetism and Conductivity in Atomically Thin SrRuO_3 . Physical Review X, 2019, 9, .	2.8	40
15	Scaling universality at the dynamic vortex Mott transition. Physical Review B, 2018, 97, .	1.1	11
16	Determining Individual Particle Magnetizations in Assemblages of Micrograins. Geophysical Research Letters, 2018, 45, 2995-3000.	1.5	17
17	New voices, at last. Science, 2018, 361, 953-953.	6.0	1
18	On the Formation of a Conducting Surface Channel by Ionic-Liquid Gating of an Insulator. Annalen Der Physik, 2018, 530, 1700449.	0.9	2

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19	Characterization of single step electrodeposited Cu ₂ ZnSnS ₄ thin films. Journal of Optics (India), 2018, 47, 256-262.	0.8	5
20	Annealed Low Energy States in Frustrated Large Square Josephson Junction Arrays. Condensed Matter, 2018, 3, 19.	0.8	5
21	ON the Nature of Ionic Liquid Gating of La _{2-x} Sr _x CuO ₄ . International Journal of Molecular Sciences, 2018, 19, 566.	1.8	1
22	Correlation between superconductivity, band filling, and electron confinement at the LaAlO ₃ /SrTiO ₃ interface. Physical Review B, 2018, 97, .	1.8	1
23	A Novel Particle/Photon Detector Based on a Superconducting Proximity Array of Nanodots. Journal of Superconductivity and Novel Magnetism, 2017, 30, 359-363.	0.8	2
24	Gate-Tunable Band Structure of the LaAlO ₃ /SrTiO ₃ Interface. Physical Review Letters, 2017, 118, 106401.	2.9	56
25	On the nature of ionic liquid gating of Nd _{2-x} Ce _x CuO ₄ thin films. Low Temperature Physics, 2017, 43, 290-295.	0.2	2
26	Analysing magnetism using scanning SQUID microscopy. Review of Scientific Instruments, 2017, 88, 123706.	0.6	22
27	Ramp-edge junctions between superconducting Nd _{1.85} Ce _{0.15} CuO ₄ and La _{1.85} Sr _{0.15} CuO ₄ . Superconductor Science and Technology, 2016, 29, 035001.	1.8	0
28	Direct Measurements of Field-Dependent Ordering in a Low-Field Vortex Glass State. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	1
29	Analysis of low-field isotropic vortex glass containing vortex groups in YBa ₂ Cu ₃ O _{7-x} thin films visualized by scanning SQUID microscopy. Scientific Reports, 2015, 5, 8677.	1.6	29
30	Strain accommodation through facet matching in La _{1.85} Sr _{0.15} CuO ₄ /Nd _{1.85} Ce _{0.15} CuO ₄ ramp-edge junctions. APL Materials, 2015, 3, 086101.	2.2	5
31	Properties of single RuO ₂ layer embedded in SrTiO ₃ . , 2015, , .		0
32	Transport and thermoelectric properties of the LaAlO ₃ /SrTiO ₃ interface. Physical Review B, 2015, 91, .	1.8	1
33	Manipulating Electronic States at Oxide Interfaces Using Focused Micro X-Rays from Standard Lab Sources. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1267-1272.	0.8	2
34	Imaging and control of ferromagnetism in LaMnO ₃ /SrTiO ₃ heterostructures. Science, 2015, 349, 716-719.	6.0	153
35	Critical behavior at a dynamic vortex insulator-to-metal transition. Science, 2015, 349, 1202-1205.	6.0	40
36	Effect of high oxygen pressure annealing on superconducting Nd _{1.85} Ce _{0.15} CuO ₄ thin films by pulsed laser deposition from Cu-enriched targets. Superconductor Science and Technology, 2014, 27, 044017.	1.8	6

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37	Quantum oscillations and subband properties of the two-dimensional electron gas at the LaAlO ₃ /SrTiO ₃ interface. APL Materials, 2014, 2, .	2.2	50
38	Nonlocal spin-entangled Andreev reflection, fractional charge, and current-phase relations in topological bilayer-exciton-condensate junctions. Physical Review B, 2014, 90, .	1.1	8
39	Thin films of the spin ice compound Ho ₂ Ti ₂ O ₇ . APL Materials, 2014, 2, .	2.2	28
40	Josephson supercurrent in a topological insulator without a bulk shunt. Superconductor Science and Technology, 2014, 27, 104001.	1.8	19
41	Enhancement of spin propagation due to interlayer exciton condensation. Physical Review B, 2013, 88, .	1.1	9
42	Hard x-ray photoemission and density functional theory study of the internal electric field in SrTiO ₃ /LaAlO ₃ oxide heterostructures. Physical Review B, 2013, 87, .	1.1	64
43	Multi-band conduction behaviour at the interface of LaAlO ₃ /SrTiO ₃ heterostructures. Journal of the Korean Physical Society, 2013, 63, 437-440.	0.3	4
44	Anisotropic two-dimensional electron gas at the LaAlO ₃ /SrTiO ₃ (110) interface. Nature Communications, 2013, 4, 1838.	5.8	96
45	Defect Engineering in Oxide Heterostructures by Enhanced Oxygen Surface Exchange. Advanced Functional Materials, 2013, 23, 5240-5248.	7.8	88
46	Optically excited multi-band conduction in LaAlO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2013, 102, .	1.5	30
47	Novel transport phenomena at complex oxide interfaces. MRS Bulletin, 2013, 38, 1026-1031.	1.7	9
48	Magnetotransport and induced superconductivity in Bi based three-dimensional topological insulators. Physica Status Solidi - Rapid Research Letters, 2013, 7, 26-38.	1.2	49
49	Exciton condensation in strongly correlated electron bilayers. Physical Review B, 2013, 88, .	1.1	18
50	Band offsets and density of Ti states probed by x-ray photoemission on LaAlO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2013, 103, 201603.	1.1	41
51	Modulation of conductance and superconductivity by top-gating in LaAlO ₃ /SrTiO ₃ 2-dimensional electron systems. Applied Physics Letters, 2013, 103, 201603.	1.5	44
52	Thermally excited multiband conduction in LaAlO ₃ /SrTiO ₃ heterostructures exhibiting magnetic scattering. Physical Review B, 2013, 88, .	1.1	20
53	The dynamical frustration of interlayer excitons delocalizing in bilayer quantum antiferromagnets. Europhysics Letters, 2012, 97, 27004.	0.7	13
54	Local probing of coupled interfaces between two-dimensional electron and hole gases in oxide heterostructures by variable-temperature scanning tunneling spectroscopy. Physical Review B, 2012, 86, .	1.1	13

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55	Polar-discontinuity-retaining A-site intermixing and vacancies at SrTiO ₃ /LaAlO ₃ interfaces. Physical Review B, 2012, 85, .	1.1	50
56	Cationic-vacancy-induced room-temperature ferromagnetism in transparent, conducting anatase Ti 1â ⁿ x Ta x O 2 (x â ⁿ 1/40.05) thin films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4927-4943.	1.6	31
57	Optimizing the Majorana character of SQUIDs with topologically nontrivial barriers. Physical Review B, 2012, 86, .	1.1	17
58	Experimental realization of superconducting quantum interference devices with topological insulator junctions. Applied Physics Letters, 2012, 100, .	1.5	60
59	Josephson supercurrent through a topological insulator surface state. Nature Materials, 2012, 11, 417-421.	13.3	275
60	Electronic phase separation at the LaAlO ₃ /SrTiO ₃ interface. Nature Communications, 2011, 2, 188.	5.8	366
61	Spectroscopic evidence of in-gap states at the SrTiO ₃ /LaAlO ₃ ultrathin interfaces. Applied Physics Letters, 2011, 98, .	1.5	43
62	Spin polarization of Fe-rich ferromagnetic compounds in Ru2â ⁿ Fe CrSi Heusler alloys. Journal of Physics and Chemistry of Solids, 2011, 72, 604-607.	1.9	15
63	Conductance anisotropy and linear magnetoresistance in La2 â ⁿ xSrxCuO4 thin films. Journal of Physics Condensed Matter, 2011, 23, 205602.	0.7	3
64	Prediction of quantization of magnetic flux in double-layer exciton superfluids. Physical Review B, 2011, 83, .	1.1	7
65	Epitaxial EuO thin films by pulsed laser deposition monitored by in situ x-ray photoelectron spectroscopy. Thin Solid Films, 2010, 518, 5173-5176.	0.8	22
66	Interface resistance of YBa_2CuO_7 and $YBa_2Cu_3O_{7-x}$ dynamic properties of semifluxons in $YBa_2Cu_3O_{7-x}$. Physical Review B, 2010, 82, .	1.1	32
67	Electronic reconstruction at $YBa_2Cu_3O_{7-x}$ interfaces. Physical Review B, 2010, 81, .	1.1	32
68	Response of The Time of Young Scientists. Science, 2010, 329, 626-627.	6.0	1
69	Empowering Young Scientists. Science, 2010, 328, 17-17.	6.0	6
71	Parallel Electron-Hole Bilayer Conductivity from Electronic Interface Reconstruction. Physical Review Letters, 2010, 104, 166804.	2.9	102
72	Magnetization-induced resistance-switching effects in La _{0.67} Sr _{0.33} MnO ₃ /YBa ₂ Cu ₃ O ₇ bi- and trilayers. Physical Review B, 2009, 79, .	1.1	35

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73	Imaging of Order Parameter Induced Phase Shifts in Cuprate Superconductors by Low-Temperature Scanning Electron Microscopy. Physical Review Letters, 2009, 103, 067011.	2.9	15
74	Why NanoSQUIDs are important: an introduction to the focus issue. Superconductor Science and Technology, 2009, 22, 064001.	1.8	122
75	Dynamics of single vortices in grain boundaries: I-V characteristics on the femtovolt scale. Applied Physics Letters, 2009, 94, .	1.5	25
76	Tuning the current-voltage characteristics of Josephson junctions by strong microwave fields. Journal of Physics: Conference Series, 2009, 150, 052034.	0.3	0
77	Structure-Property Relation of SrTiO ₃ /LaAlO ₃ Interfaces. Advanced Materials, 2009, 21, 1665-1677.	11.1	292
78	Vortex trapping and expulsion in thin-film $YBa_2Cu_3O_{7-x}/Nb$ junctions. Physical Review B, 2008, 77, .	1.1	69
79	High- T_c superconducting thin films with composition control on a sub-unit cell level; the effect of the polar nature of the cuprates. Journal of Physics Condensed Matter, 2008, 20, 264007.	0.7	12
80	Pi-phase shift Josephson structures. Superconductor Science and Technology, 2008, 21, 034011.	1.8	38
81	Controlling Josephson dynamics by strong microwave fields. Physical Review B, 2008, 78, .	1.1	3
82	Upper bound on the Andreev states induced second harmonic in the Josephson coupling of $YBa_2Cu_3O_{7-x}/Nb$ junctions from experiment and numerical simulations. Physical Review B, 2008, 77, .	1.1	27
83	Temperature dependence measurements of the supercurrent-phase relationship in niobium nanobridges. Physical Review B, 2008, 77, .	1.1	39
84	Josephson coupling in untwinned $YBa_2Cu_3O_{7-x}/Nb$ d-wave junctions. Journal of Physics: Conference Series, 2008, 97, 012095.	0.3	2
85	RSFQ Circuitry Using Intrinsic π -Phase Shifts. IEEE Transactions on Applied Superconductivity, 2007, 17, 659-663.	1.1	28
86	Macroscopic quantum tunneling and quasiparticle-tunneling blockade effect in s - d -wave hybrid junctions. Physical Review B, 2007, 76, .	1.1	16
87	Magnetic effects at the interface between non-magnetic oxides. Nature Materials, 2007, 6, 493-496.	13.3	1,489
88	NanoSQUIDs Based on Niobium Constrictions. Nano Letters, 2007, 7, 2152-2156.	4.5	140
89	Theory of macroscopic quantum tunneling in Nb/Au/YBCO Josephson junctions. Physica C: Superconductivity and Its Applications, 2007, 463-465, 80-83.	0.6	1
90	II.2 Cuprate and other unconventional superconductors. , 2007, , 149-174.		0

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91	Electrically Excited, Localized Infrared Emission from Single Carbon Nanotubes. Nano Letters, 2006, 6, 1425-1433.	4.5	64
92	Fabrication of multiband MgB ₂ tunnel junctions for transport measurements. Superconductor Science and Technology, 2006, 19, S226-S230.	1.8	7
93	Electronically coupled complementary interfaces between perovskite band insulators. Nature Materials, 2006, 5, 556-560.	13.3	325
94	Angle-resolved phase-sensitive determination of the in-plane gap symmetry in YBa ₂ Cu ₃ O _{7-δ} . Nature Physics, 2006, 2, 190-194.	6.5	126
95	SCENET roadmap for superconductor digital electronics. Physica C: Superconductivity and Its Applications, 2006, 439, 1-41.	0.6	58
96	Flip-Flopping Fractional Flux Quanta. Science, 2006, 312, 1495-1497.	6.0	108
97	Observation of Andreev bound states in YBa ₂ Cu ₃ O _{7-δ} /Au/Nb-ramp-type Josephson junctions. Physical Review B, 2006, 73, .	1.1	21
98	Electron-hole coupling in high-T _c cuprate superconductors. Physica C: Superconductivity and Its Applications, 2005, 422, 71-75.	0.6	11
99	Antiferromagnetic ordering in arrays of superconducting μ -rings. Physical Review B, 2005, 72, .	1.1	37
100	Phase-Sensitive Order Parameter Symmetry Test Experiments Utilizing Nd _{2-x} Ce _x CuO _{4-y} /Nb Zigzag Junctions. Physical Review Letters, 2005, 94, 167001.	2.9	51
101	Publisher's Note: Phase-Sensitive Order Parameter Symmetry Test Experiments Utilizing Nd _{2-x} Ce _x CuO _{4-y} /Nb Zigzag Junctions [Phys. Rev. Lett.94, 167001 (2005)]. Physical Review Letters, 2005, 94, .	2.9	0
102	SQUID magnetometer operating at 37 K based on nanobridges in epitaxial MgB ₂ thin films. Applied Physics Letters, 2005, 87, 192505.	1.5	33
103	Admixtures tod-Wave Gap Symmetry in Untwinned YBa ₂ Cu ₃ O ₇ Superconducting Films Measured by Angle-Resolved Electron Tunneling. Physical Review Letters, 2005, 95, 257001.	2.9	89
104	Bistable superconducting quantum interference device with built-in switchable π phase shift. Applied Physics Letters, 2004, 85, 4091-4093.	1.5	12
105	Capacitance measurements on grain boundaries in Y _{1-x} CaxBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 2004, 70, .	1.1	12
106	μ -SQUIDS based on Josephson contacts between high-T _c and low-T _c superconductors. Physical Review B, 2004, 70, .	1.1	24
107	Pulsed-laser deposition of MgB ₂ and B thin films. Applied Physics A: Materials Science and Processing, 2004, 79, 1243-1246.	1.1	8
108	Ordering and manipulation of the magnetic moments in large-scale superconducting μ -loop arrays. Nature, 2003, 422, 50-53.	13.7	223

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109	PHYSICS: Enhanced: Flux Quanta on the Move. Science, 2003, 302, 1159-1160.	6.0	2
110	MgB/sub 2/ thin films and Josephson devices. IEEE Transactions on Applied Superconductivity, 2003, 13, 3245-3248.	1.1	3
111	Static semifluxons in a long Josephson junction with π -discontinuity points. Physical Review B, 2003, 68, .	1.1	29
112	Monocrystalline YBa ₂ Cu ₃ O _{7-x} thin films on vicinal SrTiO ₃ (001) substrates. Applied Physics Letters, 2003, 83, 5199-5201.	1.5	30
113	The road to magnesium diboride thin films, Josephson junctions and SQUIDs. Superconductor Science and Technology, 2003, 16, 246-253.	1.8	16
114	Experiments with d -wave Superconductors. , 2003, , .		0
115	d -Wave Induced Zero-Field Resonances in dc -Superconducting Quantum Interference Devices. Physical Review Letters, 2002, 88, 177003.	2.9	23
116	Observation of Splintered Josephson Vortices at Grain Boundaries in YBa ₂ Cu ₃ O _{7-x} . Physical Review Letters, 2002, 89, 067004.	2.9	59
117	d -Wave Induced Josephson Current Counterflow in YBa ₂ Cu ₃ O ₇ /Nb Zigzag Junctions. Physical Review Letters, 2002, 88, 057004.	2.9	118
118	Magnesium-diboride ramp-type Josephson junctions. Applied Physics Letters, 2002, 80, 2141-2143.	1.5	52
119	Enhanced transparency ramp-type Josephson contacts through interlayer deposition. Applied Physics Letters, 2002, 80, 4579-4581.	1.5	41
120	Grain boundaries in high-T _c superconductors. Reviews of Modern Physics, 2002, 74, 485-549.	16.4	787
121	Growth studies of Ba _{1-x} (Kx)BiO ₃ thin films by pulsed-laser deposition. Physica C: Superconductivity and Its Applications, 2002, 372-376, 596-599.	0.6	10
122	Superconducting thin films of MgB ₂ by pulsed-laser deposition. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1258-1261.	0.6	8
123	Superconducting MgB films by pulsed-laser deposition in an in situ two-step process using multicomponent targets. Applied Physics Letters, 2001, 79, 394-396.	1.5	108
124	Realization and properties of ramp-type YBa ₂ Cu ₃ O _{7-x} /Au/Nb junctions. Physica C: Superconductivity and Its Applications, 2001, 350, 269-275.	0.6	10
125	Superconducting thin films of MgB ₂ on Si by pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2001, 353, 1-4.	0.6	63
126	Interfaces in high-T _c superconductors: fundamental insights and possible applications. Current Applied Physics, 2001, 1, 349-353.	1.1	3

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127	Doping-induced enhancement of grain boundary critical currents. IEEE Transactions on Applied Superconductivity, 2001, 11, 2830-2837.	1.1	12
128	Y-Ba-Cu-O/Au/Nb ramp-type Josephson junctions. IEEE Transactions on Applied Superconductivity, 2001, 11, 501-504.	1.1	11
129	Sigma-delta A/D converter in HTS ramp edge technology. IEEE Transactions on Applied Superconductivity, 2001, 11, 200-204.	1.1	24
130	Superconducting quantum interference device based on MgB2 nanobridges. Applied Physics Letters, 2001, 79, 2420-2422.	1.5	90
131	Grain Boundaries and Other Interfaces in Cuprate High-T _c Superconductors. , 2001, , 519-528.		1
132	Doping induced enhancement of the critical currents of grain boundaries in high-T _c superconductors. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1393-1396.	0.6	11
133	Realization of High-T _c dc SQUIDS. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1651-1654.	0.6	4
134	Enhanced supercurrent density in polycrystalline YBa ₂ Cu ₃ O _{7-δ} at 77 K from calcium doping of grain boundaries. Nature, 2000, 407, 162-164.	13.7	255
135	Design and realization of an all d-wave dc superconducting quantum interference device. Applied Physics Letters, 2000, 76, 912-914.	1.5	118
136	Grain boundaries in high-T _c superconductors: insights and improvements. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 827-834.	0.6	13
137	Tailoring of high-T _c Josephson junctions by doping their electrodes. Applied Physics Letters, 1999, 75, 850-852.	1.5	32
138	Mechanisms controlling interface-properties in high-T _c superconductors. IEEE Transactions on Applied Superconductivity, 1999, 9, 3405-3408.	1.1	19
139	Interfaces involving complex superconductors. Physica C: Superconductivity and Its Applications, 1999, 317-318, 383-391.	0.6	33
140	Modifying electronic properties of interfaces in high-T _c superconductors by doping. Physica C: Superconductivity and Its Applications, 1999, 326-327, 7-11.	0.6	23
141	Doping-induced enhancement of the critical currents of grain boundaries in YBa ₂ Cu ₃ O _{7-δ} . Europhysics Letters, 1999, 47, 110-115.	0.7	160
142	Grain boundary critical currents - a new perspective. Superconductor Science and Technology, 1999, 12, 1043-1045.	1.8	10
143	Factors Controlling Transport Properties of Interfaces in High-T _c Superconductors. Materials Research Society Symposia Proceedings, 1999, 574, 261.	0.1	0
144	The Influence of Grain Boundary Roughness on Tricrystal Symmetry Tests. , 1999, , 337-346.		0

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145	Possible influence of band bending on the normal state properties of grain boundaries in high-Tc superconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998, 56, 77-85.	1.7	73
146	Nonsinusoidal Current-Phase Relationship of Grain Boundary Josephson Junctions in High-Tc Superconductors. <i>Physical Review Letters</i> , 1998, 81, 894-897.	2.9	79
147	Superconducting and normal-state properties of YBa ₂ Cu ₃ O _{7-δ} -bicrystal grain boundary junctions in thin films. <i>Applied Physics Letters</i> , 1998, 73, 265-267.	1.5	151
148	Wavefunction symmetry and its influence on superconducting devices. <i>Superconductor Science and Technology</i> , 1997, 10, 880-883.	1.8	55
149	Influence of $d(x/\sin 2l - y/\sin 2l)$ symmetry on device applications of high-T _c /grain boundary junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 1997, 7, 3670-3673.	1.1	14
150	Intrinsic weak link originating from tilt in contacts between $d \times 2 - y \times 2$ wave superconductors. <i>Applied Physics A: Materials Science and Processing</i> , 1997, 64, 553-554.	1.1	17
151	Symmetry of the order parameter: Implications of the Transport Properties of grain boundaries. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 282-287, 132-135.	0.6	2
152	Implications of a $d_{x^2-y^2}$ Symmetry Component of the Superconducting Order Parameter on High-T _c Josephson Devices. , 1997, , 1129-1134.		0
153	Implications of $d_{x^2-y^2}$ symmetry and faceting for the transport properties of grain boundaries in high-T _c superconductors. <i>Physical Review B</i> , 1996, 53, 14586-14593.	1.1	255
154	Fabrication and transport properties of three-terminal Josephson junctions employing high-T _c superconductors. , 1996, , .		1
155	Scanning SQUID microscope tests of the symmetry of the high-T _c gap. <i>European Physical Journal D</i> , 1996, 46, 3169-3176.	0.4	6
156	Anomalous dependence of the critical current of 45° grain boundaries in YBa ₂ Cu ₃ O _{7-δ} on an applied magnetic field. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996, 101, 175-179.	1.1	37
157	Electric field controllable Josephson junctions of high quality in high-T _c superconductors. <i>Applied Physics Letters</i> , 1996, 68, 3031-3033.	1.5	30
158	Generation of Magnetic Flux by Single Grain Boundaries of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 1996, 77, 2782-2785.	2.9	174
159	Noise properties of direct current SQUIDs with quasiplanar YBa ₂ Cu ₃ O ₇ Josephson junctions. <i>Applied Physics Letters</i> , 1995, 67, 2087-2089.	1.5	29
160	YBa ₂ /Cu ₃ /O ₇ nano-bridge junctions and dc SQUIDs made by focused ion beam milling. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 2786-2789.	1.1	17
161	Current-Phase Relation of YBa ₂ <sub>2</sub>/Cu<sub>3</sub>/O<sub>7</sub>-X/Nb Unconventional Superconductor Junctions. <i>Materials Science Forum</i> , 0, 670, 38-41.	0.3	0
162	Grain boundaries in high-T _c superconductors: insights and improvements. , 0, .		2