

Floriana Lombardi

List of Publications by Year in descending order

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156
papers

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citations

236912

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41
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160
all docs

160
docs citations

160
times ranked

1988
citing authors

#	ARTICLE	IF	CITATIONS
1	Gate-tunable pairing channels in superconducting non-centrosymmetric oxides nanowires. Npj Quantum Materials, 2022, 7, .	5.2	8
2	Mapping the Phase Diagram of a $YBaCuO_{7-x}$ Nanowire Through Electromigration. Physical Review Applied, 2022, 17, .	3.8	5
3	Magnetotransport Studies of Encapsulated Topological Insulator Bi ₂ Se ₃ Nanoribbons. Nanomaterials, 2022, 12, 768.	4.1	2
4	Electronic confinement of surface states in a topological insulator nanowire. Physical Review B, 2022, 106, .	3.2	2
5	Tailoring Superconductivity in Large-Area Single-Layer NbSe ₂ via Self-Assembled Molecular Adlayers. Nano Letters, 2021, 21, 136-143.	9.1	19
6	Nanopatterning of Weak Links in Superconducting Oxide Interfaces. Nanomaterials, 2021, 11, 398.	4.1	6
7	High-Mobility Ambipolar Magnetotransport in Topological Insulator Bi ₂ Se ₃ Nanoribbons. Physical Review Applied, 2021, 16, .	3.8	5
8	Electromigration tuning of the voltage modulation depth in YBa ₂ Cu ₃ O _{7-x} nanowire-based SQUIDS. Superconductor Science and Technology, 2021, 34, 104001.	3.5	2
9	Restored strange metal phase through suppression of charge density waves in underdoped YBa ₂ Cu ₃ O _{7-x} . Science, 2021, 373, 1506-1510.	12.6	21
10	Dispersion of the surface phonons in semiconductor/topological insulator Si/Bi ₂ Te ₃ heterostructure studied by high resolution Brillouin spectroscopy. Ultrasonics, 2021, 117, 106526.	3.9	4
11	Correlation analysis of vibration modes in physical vapour deposited Bi ₂ Se ₃ thin films probed by the Raman mapping technique. Nanoscale Advances, 2021, 3, 6395-6402.	4.6	3
12	Topological insulator nanoribbon Josephson junctions: Evidence for size effects in transport properties. Journal of Applied Physics, 2020, 128, 194304.	2.5	21
13	SQUID Magnetometer Based on Grooved Dayem Nanobridges and a Flux Transformer. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	13
14	Properties of grooved Dayem bridge based YBa ₂ Cu ₃ O _{7-x} superconducting quantum interference devices and magnetometers. Applied Physics Letters, 2020, 116, 132601.	3.3	20
15	Stoichiometric Bi ₂ Se ₃ topological insulator ultra-thin films obtained through a new fabrication process for optoelectronic applications. Nanoscale, 2020, 12, 12405-12415.	5.6	16
16	Fabrication and electrical transport characterization of high quality underdoped YBa ₂ Cu ₃ O _{7-x} nanowires. Superconductor Science and Technology, 2020, 33, 064002.	3.5	8
17	Surface structure promoted high-yield growth and magnetotransport properties of Bi ₂ Se ₃ nanoribbons. Scientific Reports, 2019, 9, 11328.	3.3	9
18	Towards quantum-limited coherent detection of terahertz waves in charge-neutral graphene. Nature Astronomy, 2019, 3, 983-988.	10.1	25

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19	Low temperature hidden Fermi-liquid charge transport in under doped $\text{La}_x\text{Sr}_{1-x}\text{CuO}_2$ infinite layer electron-doped thin films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 445601.	1.8	2
20	High transparency Bi_2Se_3 topological insulator nanoribbon Josephson junctions with low resistive noise properties. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	16
21	Dynamical charge density fluctuations pervading the phase diagram of a Cu-based high- T_c superconductor. <i>Science</i> , 2019, 365, 906-910.	12.6	125
22	Transport and noise properties of YBCO nanowire based nanoSQUIDs. <i>Superconductor Science and Technology</i> , 2019, 32, 073001.	3.5	23
23	Grooved Dayem Nanobridges as Building Blocks of High-Performance $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ SQUID Magnetometers. <i>Nano Letters</i> , 2019, 19, 1902-1907.	9.1	23
24	SQUID magnetometer based on Grooved Dayem nanobridges and a flux transformer. , 2019, , .		0
25	Untwinned $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films on MgO substrates: A platform to study strain effects on the local orders in cuprates. <i>Physical Review Materials</i> , 2019, 3, .		
26	Josephson Effect in Graphene and 3D Topological Insulators. <i>Springer Series in Materials Science</i> , 2019, , 529-553.	0.6	1
27	High Frequency Properties of Josephson Junctions. <i>Springer Series in Materials Science</i> , 2019, , 513-528.	0.6	0
28	Uniform doping of graphene close to the Dirac point by polymer-assisted assembly of molecular dopants. <i>Nature Communications</i> , 2018, 9, 3956.	12.8	61
29	Bulk-free topological insulator Bi_2Se_3 nanoribbons with magnetotransport signatures of Dirac surface states. <i>Nanoscale</i> , 2018, 10, 19595-19602.	5.6	32
30	Probing the phase diagram of cuprates with $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films and nanowires. <i>Physical Review Materials</i> , 2018, 2, .		
31	Investigation of dark counts in innovative materials for superconducting nanowire single-photon detector applications. , 2017, , .		1
32	High-Transparency $\text{Al}/\text{Bi}_2\text{Te}_3$ Double-Barrier Heterostructures. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	9
33	Improved coupling of nanowire-based high- T_c SQUID magnetometers—simulations and experiments. <i>Superconductor Science and Technology</i> , 2017, 30, 115014.	3.5	9
34	What happens in Josephson junctions at high critical current densities. <i>Low Temperature Physics</i> , 2017, 43, 816-823.	0.6	2
35	Observation of dark pulses in 10 nm thick YBCO nanostrips presenting hysteretic current voltage characteristics. <i>Superconductor Science and Technology</i> , 2017, 30, 12LT02.	3.5	24
36	Transport properties of ultrathin $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ nanowires: A route to single-photon detection. <i>Physical Review B</i> , 2017, 96, .		

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37	Noise Properties of YBCO Nanostructures. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	5
38	NbN superconducting nanonetwork fabricated using porous silicon templates and high-resolution electron beam lithography. Nanotechnology, 2017, 28, 465301.	2.6	5
39	The electron-phonon interaction at deep Bi ₂ Te ₃ -semiconductor interfaces from Brillouin light scattering. Scientific Reports, 2017, 7, 16449.	3.3	10
40	Homogeneous superconductivity at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface probed by nanoscale transport. Physical Review B, 2017, 96, .	3.2	4
41	Josephson effect through YBa ₂ Cu ₃ O _{7-δ} /Au-encapsulated nanogaps. Physical Review B, 2017, 95, .	3.2	4
42	Study of in-plane electrical transport anisotropy of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ a -axis oriented nanodevices. Physical Review B, 2017, 95, .	3.2	7
43	Growth of ultrathin twin-free b-oriented YBa ₂ Cu ₃ O _{7-δ} x films. Crystallography Reports, 2017, 62, 127-132.	0.6	2
44	Hysteretic Critical State in Coplanar Josephson Junction with Monolayer Graphene Barrier. Journal of Superconductivity and Novel Magnetism, 2017, 30, 5-14.	1.8	1
45	Improved noise performance of ultrathin YBCO Dayem bridge nanoSQUIDs. Superconductor Science and Technology, 2017, 30, 014008.	3.5	16
46	Induced unconventional superconductivity on the surface states of Bi ₂ Te ₃ topological insulator. Nature Communications, 2017, 8, 2019.	12.8	40
47	10. Josephson and charging effect in mesoscopic superconducting devices. , 2017, , 309-338.		1
48	Space charge limited current mechanism in Bi ₂ S ₃ nanowires. Journal of Applied Physics, 2016, 119, .	2.5	15
49	Toward ultra high magnetic field sensitivity YBa ₂ Cu ₃ O _{7-δ} nanowire based superconducting quantum interference devices. Journal of Applied Physics, 2016, 119, .	2.5	18
50	Role of Nanoelectromechanical Switching in the Operation of Nanostructured Bi ₂ Se ₃ Interlayers between Conductive Electrodes. ACS Applied Materials & Interfaces, 2016, 8, 12257-12262.	8.0	14
51	Josephson Coupling in Junctions Made of Monolayer Graphene Grown on SiC. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1145-1150.	1.8	5
52	Incipient Berezinskii-Kosterlitz-Thouless transition in two-dimensional coplanar Josephson junctions. Physical Review B, 2016, 94, .	3.2	6
53	Hot spot formation in electron-doped PCCO nanobridges. Physical Review B, 2016, 94, .	3.2	19
54	Retention of Electronic Conductivity in $\text{LaAlO}_3/\text{SrCuO}$ Using a SrCuO Physical Review Applied, 2016, 6, .	3.8	13

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55	Fabricating Nanogaps in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Physical Review Applied, 2015, 4, .	3.8	18
56	Breakdown of the escape dynamics in Josephson junctions. Physical Review B, 2015, 92, .	3.2	26
57	Y-Ba-Cu-O nanostripes for optical photon detection. , 2015, , .		0
58	The Role of Quantum Interference Effects in Normal-State Transport Properties of Electron-Doped Cuprates. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3481-3486.	1.8	7
59	Microwave Losses in YBCO Coplanar Waveguide Resonators at Low Power and Millikelvin Range. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	3
60	Toward $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Nanoscale Structures for Hybrid Devices. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	11
61	Growth of twin-free b-oriented $\text{YBa}_2\text{Cu}_3\text{O}_7$ x films. Crystallography Reports, 2015, 60, 393-396.	0.6	3
62	Catalyst-free vapour-phase solid technique for deposition of Bi_2Te_3 and Bi_2Se_3 nanowires/nanobelts with topological insulator properties. Nanoscale, 2015, 7, 15935-15944.	5.6	45
63	High-temperature superconducting nanowires for photon detection. Physica C: Superconductivity and Its Applications, 2015, 509, 16-21.	1.2	30
64	Ablation replacement of iron with Co, Mn, Ni, and Cu during growth of iron-based superconductor films in the $\text{Fe}_{0.9}\text{M}_{0.1}\text{Se}_{0.92}$ system. Crystallography Reports, 2014, 59, 739-743.	0.6	2
65	$\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanorings to probe fluxoid quantization in High Critical Temperature Superconductors. Physica C: Superconductivity and Its Applications, 2014, 506, 184-187.	1.2	13
66	Resistive state triggered by vortex entry in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanostructures. Physica C: Superconductivity and Its Applications, 2014, 506, 165-168.	1.2	16
67	Microwave losses in MgO, LaAlO ₃ , and (La _{0.3} Sr _{0.7})(Al _{0.65} Ta _{0.35})O ₃ dielectrics at low power and in the millikelvin temperature range. Applied Physics Letters, 2014, 104, .	3.3	10
68	Effect of heating on critical current of YBCO nanowires. Physica C: Superconductivity and Its Applications, 2014, 506, 174-177.	1.2	9
69	Influence of topological edge states on the properties of $\text{Al}/\text{Bi}_2\text{Se}_3/\text{Al}$ Josephson devices. Physical Review B, 2014, 89, .		
70	Ultra low noise $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nano superconducting quantum interference devices implementing nanowires. Applied Physics Letters, 2014, 104, .	3.3	57
71	Highly homogeneous YBCO/LSMO nanowires for photoresponse experiments. Superconductor Science and Technology, 2014, 27, 044027.	3.5	29
72	Josephson effect in $\text{Al}/\text{Bi}_2\text{Se}_3/\text{Al}$ coplanar hybrid devices. Physica C: Superconductivity and Its Applications, 2014, 503, 162-165.	1.2	7

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73	Phase transition of bismuth telluride thin films grown by MBE. Applied Physics Express, 2014, 7, 045503.	2.4	22
74	Magnetorefractive and Kerr effects in the [La _{0.67} Ca _{0.33} MnO ₃ /La _{0.67} Sr _{0.33} MnO ₃] superlattices. Superlattices and Microstructures, 2014, 75, 680-691.	3.1	6
75	Ultrathin Anodic Aluminum Oxide Membranes for Production of Dense Sub-20 nm Nanoparticle Arrays. Journal of Physical Chemistry C, 2014, 118, 8685-8690.	3.1	24
76	Growth of YBa ₂ Cu ₃ O ₇ films with [110] tilt of CuO planes to surface on SrTiO ₃ crystals. Crystallography Reports, 2013, 58, 488-492.	0.6	2
77	Approaching the theoretical depairing current in YBa ₂ Cu ₃ O ₇ nanowires. Physica C: Superconductivity and Its Applications, 2013, 495, 33-38.	1.2	36
78	Microwave Response of Superconducting $YBa_2Cu_3O_{7-x}$ Nanowire Bridges Sustaining the Critical Depairing Current: Evidence of Josephson-like. Physical Review Letters, 2013, 110, 197001.	7.8	58
79	Investigation into the growth and structure of thin-film solid solutions of iron-based superconductors in the FeSe _{0.92} -FeSe _{0.5} Te _{0.5} system. Crystallography Reports, 2013, 58, 735-738.	0.6	6
80	Improved Nanopatterning for YBCO Nanowires Approaching the Depairing Current. IEEE Transactions on Applied Superconductivity, 2013, 23, 1101505-1101505.	1.7	42
81	Recent Achievements on the Physics of High-T _c Superconductor Josephson Junctions: Background, Perspectives and Inspiration. Journal of Superconductivity and Novel Magnetism, 2013, 26, 21-41.	1.8	43
82	Fully gapped superconductivity in a nanometre-size YBa ₂ Cu ₃ O ₇ island enhanced by a magnetic field. Nature Nanotechnology, 2013, 8, 25-30.	31.5	53
83	Model Evidence of a Superconducting State with a Full Energy Gap in Small Cuprate Islands. Physical Review Letters, 2013, 110, 197001.	7.8	20
84	MBE Growth of Bi ₂ Te ₃ for Thermoelectrics. , 2013, , .		0
85	Publisher's Note: Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions [Phys. Rev. Lett. 109, 050601 (2012)]. Physical Review Letters, 2012, 109, .	7.8	1
86	Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions. Physical Review Letters, 2012, 109, 050601.	7.8	43
87	Magnetorefractive Effect in La _{2/3} Ca _{1/3} MnO ₃ /La _{2/3} Sr _{1/3} MnO ₃ Heterostructures. Journal of Spintronics and Magnetic Nanomaterials, 2012, 1, 139-146.		4
88	Fabrication of ultra thin anodic aluminium oxide membranes by low anodization voltages. IOP Conference Series: Materials Science and Engineering, 2011, 23, 012025.	0.6	8
89	Transport Properties of YBCO Nanowires. IEEE Transactions on Applied Superconductivity, 2011, 21, 164-167.	1.7	11
90	Quantum phase dynamics in an LC shunted Josephson junction. Journal of Applied Physics, 2011, 109, 093915.	2.5	2

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91	Growth of YBa ₂ Cu ₃ O ₇ films with [100] tilt of CuO planes to the surface on SrTiO ₃ crystals. Crystallography Reports, 2011, 56, 152-156. Noise properties of nanoscale YBa ₂ Cu ₃ O ₇ Josephson junctions. Superconductor Science and Technology, 2010, 23, 034027.	0.6	4
92	Interplay between Static and Dynamic Properties of Semifluxons in YBa ₂ Cu ₃ O ₇ Josephson junctions. Superconductor Science and Technology, 2010, 23, 034027.	3.2	13
93	d-Wave YBCO dc superconductive quantum interference devices (dc SQUIDs). , 2011, , 370-389.		0
94	Effect of an interface boundary on the magneto-optical and magnetotransport properties of La _{0.67} Ca _{0.33} MnO ₃ /La _{0.67} Sr _{0.33} MnO ₃ heterostructures. Technical Physics, 2010, 55, 1161-1167.	0.7	3
95	Low capacitance HTS junctions for single electron transistors. Physica C: Superconductivity and Its Applications, 2010, 470, S188-S190.	1.2	2
96	Macroscopic quantum phenomena in Josephson structures. Low Temperature Physics, 2010, 36, 876-883.	0.6	5
97	Biepitaxial YBa ₂ Cu ₃ O ₇ Josephson junctions. Superconductor Science and Technology, 2010, 23, 034027.	3.5	1
98	Interplay between Static and Dynamic Properties of Semifluxons in YBa ₂ Cu ₃ O ₇ Josephson junctions. Superconductor Science and Technology, 2010, 23, 034027.		14
99	Submicron YBaCuO biepitaxial Josephson junctions: d-wave effects and phase dynamics. Journal of Applied Physics, 2010, 107, .	2.5	29
100	Soft Nanostructuring of YBCO Josephson Junctions by Phase Separation. Nano Letters, 2010, 10, 4824-4829.	9.1	18
101	Frontiers Problems of the Josephson Effect: From Macroscopic Quantum Phenomena Decay to High-T _c Superconductivity. Nanoscience and Technology, 2010, , 105-135.	1.5	0
102	Mesoscopic conductance fluctuations in YBa ₂ Cu ₃ O ₇ Josephson junctions. Superconductor Science and Technology, 2010, 23, 034027.	3.2	10
103	Eck-Like Resonances in High-T _c Long Faceted Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 911-915.	1.7	0
104	Sub-Micron YBa ₂ Cu ₃ O ₇ Biepitaxial Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 174-177.	1.7	8
105	Properties of inductance and magnetic penetration depth in (103)-oriented YBa ₂ Cu ₃ O ₇ films. Physical Review B, 2009, 79, .	3.2	30
106	TWO-DIMENSIONAL MACROSCOPIC QUANTUM DYNAMICS IN YBCO JOSEPHSON JUNCTIONS. International Journal of Modern Physics B, 2009, 23, 4329-4337.	2.0	6
107	Fabrication and properties of sub-micrometric YBCO biepitaxial junctions. Journal of Physics: Conference Series, 2009, 150, 052246.	0.4	4
108	High critical temperature superconductor Josephson junctions for quantum circuit applications. Physica Scripta, 2009, T137, 014006.	2.5	3

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109	Underlying physical aspects of fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ grain boundary Josephson junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 310-315.	1.2	5
110	Coherent quasiparticle transport in grain boundary junctions employing high-Tc superconductors. <i>Microelectronics Journal</i> , 2008, 39, 1066-1069.	2.0	0
111	Dynamics of a LC Shunted $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Josephson Junction. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 653-658.	1.7	5
112	Dynamics of d-wave $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ SQUIDs. <i>Superconductor Science and Technology</i> , 2007, 20, S98-S104.	3.5	3
113	Observation of mesoscopic conductance fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ grain boundary Josephson junctions. <i>Physical Review B</i> , 2007, 75, .	3.2	12
114	CaBaCuO Ultrathin Films and Junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3581-3584.	1.7	0
115	Advances in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Grain Boundary Biepitaxial Josephson Junctions: Transport Properties and Mesoscopic Effects. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 225-228.	1.7	2
116	Classical resonant activation of a Josephson junction embedded in an LC circuit. <i>Physical Review B</i> , 2007, 75, .	3.2	30
117	Mesoscopic conductance fluctuations in high-Tc grain boundary Josephson junctions: Coherent quasiparticle transport. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 343-346.	1.2	0
118	Energy level quantization in a $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Josephson junction. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 335-338.	1.2	2
119	Transport measurements on ultra-thin CaBaCuO films. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 845-846.	1.2	0
120	Macroscopic Quantum Phenomena in High Critical Temperature Superconducting Josephson Junctions. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007, 19, 341-347.	1.8	1
121	YBCO SQUIDs with unconventional current phase relation. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 463-465, 979-984.	1.2	5
122	Quantum behaviors in high-TC systems: Macroscopic and vortex quantum tunneling. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 303-308.	1.2	0
123	Quantum properties of d-wave $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Josephson junction. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 435, 8-11.	1.2	16
124	Quantum Dynamics of a d-Wave Josephson Junction. <i>Science</i> , 2006, 311, 57-60.	12.6	108
125	Josephson dynamics of bicrystal-d-wave $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ dc-SQUIDs. <i>Physical Review B</i> , 2006, 74, .	3.2	21
126	Macroscopic Quantum Tunneling in d-Wave $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Josephson Junctions. <i>Physical Review Letters</i> , 2005, 94, 087003.	7.8	151

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127	Flavours of intrinsic d-wave induced effects in YBa ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions. Superconductor Science and Technology, 2004, 17, S202-S207.	3.5	5
128	Advances in high-Tc grain-boundary junctions. Low Temperature Physics, 2004, 30, 591-598.	0.6	11
129	Structure and properties of a class of CeO ₂ -based biepitaxial YBa ₂ Cu ₃ O _{7-δ} Josephson junctions. Physical Review B, 2003, 67, .	3.2	25
130	Intrinsic and extrinsic d-wave effects in YBa ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions: Implications for circuitry. Physical Review B, 2003, 67, .	3.2	11
131	Paramagnetic effect in YBa ₂ Cu ₃ O _{7-δ} grain-boundary junctions. Physical Review B, 2003, 68, .	3.2	8
132	Intrinsic-Wave Effects in YBa ₂ Cu ₃ O _{7-δ} Grain Boundary Josephson Junctions. Physical Review Letters, 2002, 89, 207001.	7.8	100
133	Tunnel barriers for an all-high-Tc single electron tunneling transistor. Physica C: Superconductivity and Its Applications, 2002, 368, 337-342.	1.2	1
134	Influence of the structural anisotropy and of the order parameter symmetry on the transport properties of YBa ₂ Cu ₃ O _{7-δ} grain boundaries Josephson junctions. Physica C: Superconductivity and Its Applications, 2002, 372-376, 87-90.	1.2	1
135	Interplay between structural anisotropy and order parameter symmetry effects in transport properties of YBa ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions. European Physical Journal B, 2002, 28, 3-7.	1.5	8
136	Transport properties of [100] tilt and twist biepitaxial Y-Ba-Cu-O junctions. IEEE Transactions on Applied Superconductivity, 2001, 11, 776-779.	1.7	3
137	Flux flow effects induced by a control current in a four terminal Josephson device. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1581-1584.	1.2	0
138	TRANSPORT PROPERTIES OF JOSEPHSON JUNCTIONS AND SQUIDS EMPLOYING DIFFERENT TYPES OF YBCO GRAIN BOUNDARIES OBTAINED THROUGH THE BIEPITAXIAL TECHNIQUE. International Journal of Modern Physics B, 2000, 14, 3074-3079.	2.0	2
139	DEPOSITION ON VICINAL SUBSTRATES FOR DOMAIN SELECTION IN YBa ₂ Cu ₃ O ₇ FILMS. International Journal of Modern Physics B, 2000, 14, 2646-2651.	2.0	1
140	Feasibility of biepitaxial YBa ₂ Cu ₃ O _{7-δ} Josephson junctions for fundamental studies and potential circuit implementation. Physical Review B, 2000, 62, 14431-14438.	3.2	22
141	YBa ₂ Cu ₃ O _{7-δ} Josephson junctions and dc SQUIDs based on 45° a-axis tilt and twist grain boundaries: atomically clean interfaces for applications. Superconductor Science and Technology, 1999, 12, 1007-1009.	3.5	4
142	Quasiparticle injection into YBCO four terminal Josephson devices. IEEE Transactions on Applied Superconductivity, 1999, 9, 3652-3655.	1.7	3
143	Fabrication and characterization of 45° a-axis tilt grain boundary YBa ₂ /Cu ₃ /O _{7-δ} / Josephson junctions and dc SQUIDs. IEEE Transactions on Applied Superconductivity, 1999, 9, 3113-3116.	1.7	1
144	Phenomenology of YBa ₂ Cu ₃ O _{7-δ} Grain Boundary Josephson Junctions Irradiated by an Electron Beam. International Journal of Modern Physics B, 1999, 13, 1307-1314.	2.0	0

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145	Josephson phenomenology and microstructure of YBaCuO artificial grain boundaries characterized by misalignment of the c-axes. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 326-327, 63-71.	1.2	9
146	Structural properties of single-domain (103) YBCO films grown on buffered (110) MgO. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 323, 51-64.	1.2	4
147	The influence of the top and the bottom grain boundaries on the current transport in YBa ₂ Cu ₃ O _{7-δ} step-edge Josephson junction. <i>Applied Superconductivity</i> , 1998, 6, 437-443.	0.5	5
148	Modification of the properties of Y ₁ Ba ₂ Cu ₃ O _{7-δ} biepitaxial Josephson junctions by electron beam irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998, 56, 130-133.	3.5	0
149	Barrier properties in YBa ₂ Cu ₃ O _{7-δ} grain-boundary Josephson junctions using electron-beam irradiation. <i>Physical Review B</i> , 1998, 57, R14076-R14079.	3.2	22
150	Electron beam irradiation of Y ₁ Ba ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions. <i>Applied Physics Letters</i> , 1997, 71, 125-127.	3.3	17
151	YBa ₂ /Cu ₃ O _{7-δ} grain boundary Josephson junctions with a MgO seed layer. <i>IEEE Transactions on Applied Superconductivity</i> , 1997, 7, 3327-3330.	1.7	19
152	Proximity high transmittance microjunctions in presence of a magnetic field. <i>Physica B: Condensed Matter</i> , 1996, 218, 130-133.	2.7	0
153	Structure and morphology of MgO/YBCO bilayers for biepitaxial junctions. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 273, 30-40.	1.2	11
154	A new type of biepitaxial c-axis tilted YBCO Josephson junction. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 237-244.	0.5	10
155	Fabrication of YBCO step-edge Josephson junctions by inverted cylindrical magnetron sputtering technique. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 2782-2785.	1.7	7
156	YBCO step-edge SQUIDS by magnetron sputtering technique. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1999-2004.	0.4	0