

Floriana Lombardi

List of Publications by Year in descending order

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156
papers

2,332
citations

236925

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160
all docs

160
docs citations

160
times ranked

1988
citing authors

#	ARTICLE	IF	CITATIONS
1	Macroscopic Quantum Tunneling in d-Wave YBa ₂ Cu ₃ O _{7-x} Josephson Junctions. Physical Review Letters, 2005, 94, 087003.	7.8	151
2	Dynamical charge density fluctuations pervading the phase diagram of a Cu-based high-T _c superconductor. Science, 2019, 365, 906-910.	12.6	125
3	Quantum Dynamics of a d-Wave Josephson Junction. Science, 2006, 311, 57-60.	12.6	108
4	Intrinsic d-Wave Effects in YBa ₂ Cu ₃ O _{7-x} Grain Boundary Josephson Junctions. Physical Review Letters, 2002, 89, 207001.	7.8	100
5	Influence of topological edge states on the properties of YBa ₂ Cu ₃ O _{7-x} Josephson devices. Physical Review B, 2014, 89, .		
6	Uniform doping of graphene close to the Dirac point by polymer-assisted assembly of molecular dopants. Nature Communications, 2018, 9, 3956.	12.8	61
7	Nanowire Bridges Sustaining the Critical Depairing Current: Evidence of Josephson-like Physics. Physical Review Letters, 2014, 112, 087001.	7.8	58
8	Ultra low noise YBa ₂ Cu ₃ O _{7-x} nano superconducting quantum interference devices implementing nanowires. Applied Physics Letters, 2014, 104, .	3.3	57
9	Fully gapped superconductivity in a nanometre-size YBa ₂ Cu ₃ O _{7-x} island enhanced by a magnetic field. Nature Nanotechnology, 2013, 8, 25-30.	31.5	53
10	Catalyst-free vapour-phase solid technique for deposition of Bi ₂ Te ₃ and Bi ₂ Se ₃ nanowires/nanobelts with topological insulator properties. Nanoscale, 2015, 7, 15935-15944.	5.6	45
11	Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions. Physical Review Letters, 2012, 109, 050601.	7.8	43
12	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
13	Improved Nanopatterning for YBCO Nanowires Approaching the Depairing Current. IEEE Transactions on Applied Superconductivity, 2013, 23, 1101505-1101505.	1.7	42
14	Induced unconventional superconductivity on the surface states of Bi ₂ Te ₃ topological insulator. Nature Communications, 2017, 8, 2019.	12.8	40
15	Transport properties of ultrathin YBa ₂ Cu ₃ O _{7-x} nanowires: A route to single-photon detection. Physical Review B, 2017, 96, .	3.2	37
16	Approaching the theoretical depairing current in YBa ₂ Cu ₃ O _{7-x} nanowires. Physica C: Superconductivity and Its Applications, 2013, 495, 33-38.	1.2	36
17	Bulk-free topological insulator Bi ₂ Se ₃ nanoribbons with magnetotransport signatures of Dirac surface states. Nanoscale, 2018, 10, 19595-19602.	5.6	32
18	Classical resonant activation of a Josephson junction embedded in an LC circuit. Physical Review B, 2007, 75, .	3.2	30

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19	Properties of inductance and magnetic penetration depth in (103)-oriented $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films. Physical Review B, 2009, 79, .	3.2	30
20	High-temperature superconducting nanowires for photon detection. Physica C: Superconductivity and Its Applications, 2015, 509, 16-21.	1.2	30
21	Submicron YBaCuO biepitaxial Josephson junctions: d-wave effects and phase dynamics. Journal of Applied Physics, 2010, 107, .	2.5	29
22	Highly homogeneous YBCO/LSMO nanowires for photoresponse experiments. Superconductor Science and Technology, 2014, 27, 044027.	3.5	29
23	Probing the phase diagram of cuprates with $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films and nanowires. Physical Review Materials, 2018, 2, .	2.4	27
24	Breakdown of the escape dynamics in Josephson junctions. Physical Review B, 2015, 92, .	3.2	26
25	Structure and properties of a class of CeO_2 -based biepitaxial $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Josephson junctions. Physical Review B, 2003, 67, .	3.2	25
26	Towards quantum-limited coherent detection of terahertz waves in charge-neutral graphene. Nature Astronomy, 2019, 3, 983-988.	10.1	25
27	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
28	Observation of dark pulses in 10 nm thick YBCO nanostrips presenting hysteretic current voltage characteristics. Superconductor Science and Technology, 2017, 30, 12LT02.	3.5	24
29	Transport and noise properties of YBCO nanowire based nanoSQUIDs. Superconductor Science and Technology, 2019, 32, 073001.	3.5	23
30	Grooved Dayem Nanobridges as Building Blocks of High-Performance $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ SQUID Magnetometers. Nano Letters, 2019, 19, 1902-1907.	9.1	23
31	Barrier properties in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ grain-boundary Josephson junctions using electron-beam irradiation. Physical Review B, 1998, 57, R14076-R14079.	3.2	22
32	Feasibility of biepitaxial $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Josephson junctions for fundamental studies and potential circuit implementation. Physical Review B, 2000, 62, 14431-14438.	3.2	22
33	Phase transition of bismuth telluride thin films grown by MBE. Applied Physics Express, 2014, 7, 045503.	2.4	22
34	Josephson dynamics of bicrystal d-wave $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ dc-SQUIDs. Physical Review B, 2006, 74, .	3.2	21
35	Topological insulator nanoribbon Josephson junctions: Evidence for size effects in transport properties. Journal of Applied Physics, 2020, 128, 194304.	2.5	21
36	Restored strange metal phase through suppression of charge density waves in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Science, 2021, 373, 1506-1510.	12.6	21

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37	Model Evidence of a Superconducting State with a Full Energy Gap in Small Cuprate Islands. <i>Physical Review Letters</i> , 2013, 110, 197001.	7.8	20
38	Properties of grooved Dayem bridge based $YBa_2Cu_3O_{7-x}$ superconducting quantum interference devices and magnetometers. <i>Applied Physics Letters</i> , 2020, 116, 132601.	3.3	20
39	YBa_2/Cu_3O_{7-x} grain boundary Josephson junctions with a MgO seed layer. <i>IEEE Transactions on Applied Superconductivity</i> , 1997, 7, 3327-3330.	1.7	19
40	Hot spot formation in electron-doped PCCO nanobridges. <i>Physical Review B</i> , 2016, 94, .	3.2	19
41	Tailoring Superconductivity in Large-Area Single Layer $NbSe_2$ via Self-Assembled Molecular Adlayers. <i>Nano Letters</i> , 2021, 21, 136-143.	9.1	19
42	Soft Nanostructuring of YBCO Josephson Junctions by Phase Separation. <i>Nano Letters</i> , 2010, 10, 4824-4829.	9.1	18
43	Fabricating Nanogaps in $YBa_2Cu_3O_{7-x}$ superconducting quantum interference devices. <i>Physical Review Applied</i> , 2015, 4, .	3.8	18
44	Toward ultra high magnetic field sensitivity $YBa_2Cu_3O_{7-x}$ nanowire based superconducting quantum interference devices. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	18
45	Electron beam irradiation of $YBa_2Cu_3O_{7-x}$ grain boundary Josephson junctions. <i>Applied Physics Letters</i> , 1997, 71, 125-127.	3.3	17
46	Quantum properties of d-wave $YBa_2Cu_3O_{7-x}$ Josephson junction. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 435, 8-11.	1.2	16
47	Resistive state triggered by vortex entry in $YBa_2Cu_3O_{7-x}$ nanostructures. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 506, 165-168.	1.2	16
48	Improved noise performance of ultrathin YBCO Dayem bridge nanoSQUIDs. <i>Superconductor Science and Technology</i> , 2017, 30, 014008.	3.5	16
49	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
50	Stoichiometric Bi_2Se_3 topological insulator ultra-thin films obtained through a new fabrication process for optoelectronic applications. <i>Nanoscale</i> , 2020, 12, 12405-12415.	5.6	16
51	Space charge limited current mechanism in Bi_2S_3 nanowires. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	15
52	Interplay between Static and Dynamic Properties of Semifluxons in $YBa_2Cu_3O_{7-x}$. <i>Physical Review Letters</i> , 2010, 104, 177003.	7.8	14
53	Role of Nanoelectromechanical Switching in the Operation of Nanostructured Bi_2Se_3 Interlayers between Conductive Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12257-12262.	8.0	14
54	Noise properties of nanoscale $YBa_2Cu_3O_{7-x}$ Josephson junctions. <i>Physical Review Letters</i> , 2010, 104, 177003.	3.2	13

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55	YBa ₂ Cu ₃ O _{7-δ} nanorings to probe fluxoid quantization in High Critical Temperature Superconductors. Physica C: Superconductivity and Its Applications, 2014, 506, 184-187.	1.2	13
56	Retention of Electronic Conductivity in $LaAlO_3/SrCuO_2$ interface probed by nanoscale transport. Physical Review B, 2017, 96, .	3.8	13
57	SQUID Magnetometer Based on Grooved Dayem Nanobridges and a Flux Transformer. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	13
58	Observation of mesoscopic conductance fluctuations in YBa ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions. Physical Review B, 2007, 75, .	3.2	12
59	Homogeneous superconductivity at the $LaAlO_3/SrCuO_2$ interface probed by nanoscale transport. Physical Review B, 2017, 96, .	3.8	12
60	Structure and morphology of MgO/YBCO bilayers for biepitaxial junctions. Physica C: Superconductivity and Its Applications, 1996, 273, 30-40.	1.2	11
61	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
62	Advances in high-T _c grain-boundary junctions. Low Temperature Physics, 2004, 30, 591-598.	0.6	11
63	Transport Properties of YBCO Nanowires. IEEE Transactions on Applied Superconductivity, 2011, 21, 164-167.	1.7	11
64	Toward Nanoscale Structures for Hybrid Devices. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	11
65	A new type of biepitaxial c-axis tilted YBCO Josephson junction. Journal of Superconductivity and Novel Magnetism, 1996, 9, 237-244.	0.5	10
66	Mesoscopic conductance fluctuations in $YBa_2Cu_3O_{7-\delta}$	3.2	10
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	The electron-phonon interaction at deep Bi ₂ Te ₃ -semiconductor interfaces from Brillouin light scattering. Scientific Reports, 2017, 7, 16449.	3.3	10
69	Josephson phenomenology and microstructure of YBaCuO artificial grain boundaries characterized by misalignment of the c-axes. Physica C: Superconductivity and Its Applications, 1999, 326-327, 63-71.	1.2	9
70	Effect of heating on critical current of YBCO nanowires. Physica C: Superconductivity and Its Applications, 2014, 506, 174-177.	1.2	9
71	High-Transparency Al/Bi ₂ Te ₃ Double-Barrier Heterostructures. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	9
72	Improved coupling of nanowire-based high-T _c SQUID magnetometers – simulations and experiments. Superconductor Science and Technology, 2017, 30, 115014.	3.5	9

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73	Surface structure promoted high-yield growth and magnetotransport properties of Bi ₂ Se ₃ nanoribbons. Scientific Reports, 2019, 9, 11328.	3.3	9
74	Untwinned a -axis oriented thin films on MgO substrates: A platform to study strain effects on the local orders in cuprates. Physical Review Materials, 2019, 3, .	2.4	9
75	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
76	Paramagnetic effect in YBa ₂ Cu ₃ O ₇ grain-boundary junctions. Physical Review B, 2003, 68, .	3.2	8
77	Sub-Micron $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Biepitaxial Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 174-177.	1.7	8
78	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
79	Fabrication and electrical transport characterization of high quality underdoped YBa ₂ Cu ₃ O _{7-δ} nanowires. Superconductor Science and Technology, 2020, 33, 064002.	3.5	8
80	Gate-tunable pairing channels in superconducting non-centrosymmetric oxides nanowires. Npj Quantum Materials, 2022, 7, .	5.2	8
81	Fabrication of YBCO step-edge Josephson junctions by inverted cylindrical magnetron sputtering technique. IEEE Transactions on Applied Superconductivity, 1995, 5, 2782-2785.	1.7	7
82	Josephson effect in Al/Bi ₂ Se ₃ /Al coplanar hybrid devices. Physica C: Superconductivity and Its Applications, 2014, 503, 162-165.	1.2	7
83	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
84	Study of in-plane electrical transport anisotropy of a -axis oriented nanodevices. Physical Review B, 2017, 95, .	3.2	7
85	TWO-DIMENSIONAL MACROSCOPIC QUANTUM DYNAMICS IN YBCO JOSEPHSON JUNCTIONS. International Journal of Modern Physics B, 2009, 23, 4329-4337.	2.0	6
86	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
87	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
88	Incipient Berezinskii-Kosterlitz-Thouless transition in two-dimensional coplanar Josephson junctions. Physical Review B, 2016, 94, .	3.2	6
89	Nanopatterning of Weak Links in Superconducting Oxide Interfaces. Nanomaterials, 2021, 11, 398.	4.1	6
90	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. Applied Superconductivity, 1998, 6, 437-443.	0.5	5

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91	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
92	Dynamics of a LC Shunted YBa ₂ Cu ₃ O _{7-δ} Josephson Junction. IEEE Transactions on Applied Superconductivity, 2007, 17, 653-658.	1.7	5
93	YBCO SQUIDs with unconventional current phase relation. Physica C: Superconductivity and Its Applications, 2007, 463-465, 979-984.	1.2	5
94	Underlying physical aspects of fluctuations in YBa ₂ Cu ₃ O _{7-δ} grain boundary Josephson junctions. Physica C: Superconductivity and Its Applications, 2008, 468, 310-315.	1.2	5
95	Macroscopic quantum phenomena in Josephson structures. Low Temperature Physics, 2010, 36, 876-883.	0.6	5
96	Josephson Coupling in Junctions Made of Monolayer Graphene Grown on SiC. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1145-1150.	1.8	5
97	Noise Properties of YBCO Nanostructures. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	5
98	NbN superconducting nanonetwork fabricated using porous silicon templates and high-resolution electron beam lithography. Nanotechnology, 2017, 28, 465301.	2.6	5
99	High-Mobility Ambipolar Magnetotransport in Topological Insulator Nanoribbons. Physical Review Applied, 2021, 16, 011101.	3.8	5
100	Mapping the Phase Diagram of a YBa ₂ Cu ₃ O _{7-δ} Nanowire Through Electromigration. Physical Review Applied, 2022, 17, 011101.	1.8	5
101	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
102	Structural properties of single-domain (103) YBCO films grown on buffered (110) MgO. Physica C: Superconductivity and Its Applications, 1999, 323, 51-64.	1.2	4
103	Fabrication and properties of sub-micrometric YBCO biepitaxial junctions. Journal of Physics: Conference Series, 2009, 150, 052246.	0.4	4
104	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.	0.6	4
105	Josephson effect through YBa ₂ Cu ₃ O _{7-δ} /Au-encapsulated nanogaps. Physical Review B, 2017, 95, 020407.	3.2	4
106	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
107	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.	3.2	4
108	Quasiparticle injection into YBCO four terminal Josephson devices. IEEE Transactions on Applied Superconductivity, 1999, 9, 3652-3655.	1.7	3

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109	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
110	Dynamics of d-wave YBa ₂ Cu ₃ O _{7-δ} SQUIDs. Superconductor Science and Technology, 2007, 20, S98-S104.	3.5	3
111	High critical temperature superconductor Josephson junctions for quantum circuit applications. Physica Scripta, 2009, T137, 014006.	2.5	3
112	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
113	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
114	Growth of twin-free b-oriented YBa ₂ Cu ₃ O _{7-δ} x films. Crystallography Reports, 2015, 60, 393-396.	0.6	3
115	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
116	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
117	Advances in $\text{Bi}_{2}\text{Se}_{3}$ Grain Boundary Biepitaxial Josephson Junctions: Transport Properties and Mesoscopic Effects. IEEE Transactions on Applied Superconductivity, 2007, 17, 225-228.	1.7	2
118	Energy level quantization in a YBa ₂ Cu ₃ O _{7-δ} Josephson junction. Physica C: Superconductivity and Its Applications, 2007, 460-462, 335-338.	1.2	2
119	Low capacitance HTS junctions for single electron transistors. Physica C: Superconductivity and Its Applications, 2010, 470, S188-S190.	1.2	2
120	Quantum phase dynamics in an LC shunted Josephson junction. Journal of Applied Physics, 2011, 109, 093915.	2.5	2
121	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
122	Ablation replacement of iron with Co, Mn, Ni, and Cu during growth of iron-based superconductor films in the Fe _{0.9} M _{0.1} Se _{0.92} system. Crystallography Reports, 2014, 59, 739-743.	0.6	2
123	What happens in Josephson junctions at high critical current densities. Low Temperature Physics, 2017, 43, 816-823.	0.6	2
124	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
125	Low temperature hidden Fermi-liquid charge transport in under doped La _x Sr _{1-x} CuO ₂ infinite layer electron-doped thin films. Journal of Physics Condensed Matter, 2019, 31, 445601.	1.8	2
126	Electromigration tuning of the voltage modulation depth in YBa ₂ Cu ₃ O _{7-δ} nanowire-based SQUIDs. Superconductor Science and Technology, 2021, 34, 104001.	3.5	2

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127	Magnetotransport Studies of Encapsulated Topological Insulator Bi ₂ Se ₃ Nanoribbons. <i>Nanomaterials</i> , 2022, 12, 768.	4.1	2
128	Electronic confinement of surface states in a topological insulator nanowire. <i>Physical Review B</i> , 2022, 106, .	3.2	2
129	Fabrication and characterization of 45° a-axis tilt grain boundary YBa ₂ /Cu ₃ /O _{7-x} /Josephson junctions and dc SQUIDS. <i>IEEE Transactions on Applied Superconductivity</i> , 1999, 9, 3113-3116.	1.7	1
130	DEPOSITION ON VICINAL SUBSTRATES FOR DOMAIN SELECTION IN YBa ₂ Cu ₃ O ₇ FILMS. <i>International Journal of Modern Physics B</i> , 2000, 14, 2646-2651.	2.0	1
131	Tunnel barriers for an all-high-T _c single electron tunneling transistor. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 368, 337-342.	1.2	1
132	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. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 372-376, 87-90.	1.2	1
133	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
134	Biepitaxial YBa ₂ Cu ₃ O _{7-δ} Josephson junctions. <i>Superconductor Science and Technology</i> , 2010, 23, 034027.	3.5	1
135	Publisher's Note: Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions [Phys. Rev. Lett.109, 050601 (2012)]. <i>Physical Review Letters</i> , 2012, 109, .	7.8	1
136	Investigation of dark counts in innovative materials for superconducting nanowire single-photon detector applications. , 2017, , .		1
137	Hysteretic Critical State in Coplanar Josephson Junction with Monolayer Graphene Barrier. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 5-14.	1.8	1
138	10. Josephson and charging effect in mesoscopic superconducting devices. , 2017, , 309-338.		1
139	Josephson Effect in Graphene and 3D Topological Insulators. <i>Springer Series in Materials Science</i> , 2019, , 529-553.	0.6	1
140	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
141	Proximity high transmittance microjunctions in presence of a magnetic field. <i>Physica B: Condensed Matter</i> , 1996, 218, 130-133.	2.7	0
142	Modification of the properties of YBa 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
143	Phenomenology of YBa ₂ Cu ₃ O _{7-x} Grain Boundary Josephson Junctions Irradiated by an Electron Beam. <i>International Journal of Modern Physics B</i> , 1999, 13, 1307-1314.	2.0	0
144	Flux flow effects induced by a control current in a four terminal Josephson device. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1581-1584.	1.2	0

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145	Quantum behaviors in high-TC systems: Macroscopic and vortex quantum tunneling. Physica C: Superconductivity and Its Applications, 2006, 437-438, 303-308.	1.2	0
146	CaBaCuO Ultrathin Films and Junctions. IEEE Transactions on Applied Superconductivity, 2007, 17, 3581-3584.	1.7	0
147	Mesoscopic conductance fluctuations in high-Tc grain boundary Josephson junctions: Coherent quasiparticle transport. Physica C: Superconductivity and Its Applications, 2007, 460-462, 343-346.	1.2	0
148	Transport measurements on ultra-thin CaBaCuO films. Physica C: Superconductivity and Its Applications, 2007, 460-462, 845-846.	1.2	0
149	Coherent quasiparticle transport in grain boundary junctions employing high-Tc superconductors. Microelectronics Journal, 2008, 39, 1066-1069.	2.0	0
150	Eck-Like Resonances in High- T_c Long Faceted Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 911-915.	1.7	0
151	d-Wave YBCO dc superconductive quantum interference devices (dc SQUIDs). , 2011, , 370-389.		0
152	Y-Ba-Cu-O nanostripes for optical photon detection. , 2015, , .		0
153	SQUID magnetometer based on Grooved Dayem nanobridges and a flux transformer. , 2019, , .		0
154	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
155	MBE Growth of Bi2Te3 for Thermoelectrics. , 2013, , .		0
156	High Frequency Properties of Josephson Junctions. Springer Series in Materials Science, 2019, , 513-528.	0.6	0