Francesco Tafuri

List of Publications by Year
in descending order

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188 papers	2,968 citations	201674 27 h-index	214800 47 g-index
196 all docs	196 docs citations	196 times ranked	2084 citing authors

#	Article	IF	Citations
1	Quantum Internet: Networking Challenges in Distributed Quantum Computing. IEEE Network, 2020, 34, 137-143.	6.9	210
2	Macroscopic Quantum Tunneling ind-WaveYBa2Cu3O7â^'ÎJosephson Junctions. Physical Review Letters, 2005, 94, 087003.	7.8	151
3	Weak links in high critical temperature superconductors. Reports on Progress in Physics, 2005, 68, 2573-2663.	20.1	136
4	Quantum Dynamics of a d-Wave Josephson Junction. Science, 2006, 311, 57-60.	12.6	108
5	Flux Flow of Abrikosov-Josephson Vortices along Grain Boundaries in High-Temperature Superconductors. Physical Review Letters, 2002, 88, 097001.	7.8	105
6	Tunable spin polarization and superconductivity in engineered oxide interfaces. Nature Materials, 2016, 15, 278-283.	27.5	104
7	Intrinsicd-Wave Effects inYBa2Cu3O7â^'Î´Grain Boundary Josephson Junctions. Physical Review Letters, 2002, 89, 207001.	7.8	100
8	Microstructure and Josephson phenomenology in 45Â° tilt and twistYBa2Cu3O7â^'Î´artificial grain boundaries. Physical Review B, 1999, 59, 11523-11531.	3.2	62
9	Influence of topological edge states on the properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Al</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mo>Bi</mml: Josephson devices. Physical Review B, 2014, 89, .	3.2	61
10	Thermally Activated Spontaneous Fluxoid Formation in Superconducting Thin Film Rings. Physical Review Letters, 2003, 90, 257001.	7.8	50
11	Thermal hopping and retrapping of a Brownian particle in the tilted periodic potential of a NbN/MgO/NbN Josephson junction. Physical Review B, 2011, 84, .	3.2	50
12	Macroscopic quantum tunnelling in spin filter ferromagnetic Josephson junctions. Nature Communications, 2015, 6, 7376.	12.8	44
13	Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions. Physical Review Letters, 2012, 109, 050601.	7.8	43
14	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
15	Signatures of unconventional superconductivity in the <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 xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub> two-dimensional system. Physical Review B, 2017, 95, .	3.2	43
16	Dissipation in ultra-thin current-carrying superconducting bridges; evidence for quantum tunneling of Pearl vortices. Europhysics Letters, 2006, 73, 948-954.	2.0	42
17	Little-Parks effect in single nanoscale<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YBa</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml: Physical Review B, 2010, 81, .	3.2	41
18	High critical current density and scaling of phase-slip processes in YBaCuO nanowires. Superconductor Science and Technology, 2012, 25, 035011.	3.5	40

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19	Induced unconventional superconductivity on the surface states of Bi2Te3 topological insulator. Nature Communications, 2017, 8, 2019.	12.8	40
20	Magnetic Imaging of Pearl Vortices in Artificially Layered(Ba0.9Nd0.1CuO2+x)m/(CaCuO2)nSystems. Physical Review Letters, 2004, 92, 157006.	7.8	38
21	Classical resonant activation of a Josephson junction embedded in an LC circuit. Physical Review B, 2007, 75, .	3.2	30
22	High-temperature superconducting nanowires for photon detection. Physica C: Superconductivity and Its Applications, 2015, 509, 16-21.	1.2	30
23	Submicron YBaCuO biepitaxial Josephson junctions: d-wave effects and phase dynamics. Journal of Applied Physics, 2010, 107, .	2.5	29
24	Highly homogeneous YBCO/LSMO nanowires for photoresponse experiments. Superconductor Science and Technology, 2014, 27, 044027.	3.5	29
25	RF assisted switching in magnetic Josephson junctions. Journal of Applied Physics, 2018, 123, .	2.5	29
26	Advantages of using high-temperature cuprate superconductor heterostructures in the search for Majorana fermions. Physical Review B, 2012, 86, .	3.2	28
27	Resolving the effects of frequency-dependent damping and quantum phase diffusion in YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	28
28	Quantum crossover in moderately damped epitaxial NbN/MgO/NbN junctions with low critical current density. Applied Physics Letters, 2011, 99, 062510.	3.3	27
29	Andreev reflection in layered structures: Implications for high-Tcgrain-boundary Josephson junctions. Physical Review B, 2000, 62, 15200-15203.	3.2	26
30	Superconductivity in Sr 2 RuO 4 -Sr 3 Ru 2 O 7 eutectic crystals. Europhysics Letters, 2008, 83, 27007.	2.0	26
31	Breakdown of the escape dynamics in Josephson junctions. Physical Review B, 2015, 92, .	3.2	26
32	Superconductor to resistive state switching by multiple fluctuation events in NbTiN nanostrips. Scientific Reports, 2019, 9, 8053.	3.3	26
33	Structure and properties of a class ofCeO2-based biepitaxialYBa2Cu3O7âˆ'Î´Josephson junctions. Physical Review B, 2003, 67, .	3.2	25
34	Escape dynamics in moderately damped Josephson junctions (Review Article). Low Temperature Physics, 2012, 38, 263-272.	0.6	24
35	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
36	Properties of Ferromagnetic Josephson Junctions for Memory Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	24

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37	Tuning of Magnetic Activity in Spin-Filter Josephson Junctions Towards Spin-Triplet Transport. Physical Review Letters, 2019, 122, 047002.	7.8	24
38	Barrier properties inYBa2Cu3O7âˆ’xgrain-boundary Josephson junctions using electron-beam irradiation. Physical Review B, 1998, 57, R14076-R14079.	3.2	22
39	Feasibility of biepitaxialYBa2Cu3O7âˆ’xJosephson junctions for fundamental studies and potential circuit implementation. Physical Review B, 2000, 62, 14431-14438.	3.2	22
40	Direct Measurement of Sheet ResistanceRâ–¡in Cuprate Systems: Evidence of a Fermionic Scenario in a Metal-Insulator Transition. Physical Review Letters, 2007, 98, 036401.	7.8	22
41	Topological rf SQUID with a frustrating<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math>junction for probing the Majorana bound state. Physical Review B, 2013, 88, .	3.2	22
42	Towards weighing the condensation energy to ascertain the Archimedes force of vacuum. Physical Review D, 2014, 90, .	4.7	22
43	Phase competition between Y2BaCuO5 and Y2O3 precipitates in Y-rich YBCO thin films. Physica C: Superconductivity and Its Applications, 1999, 321, 162-176.	1.2	21
44	High quality factor HTS Josephson junctions on low loss substrates. Superconductor Science and Technology, 2011, 24, 045008.	3.5	21
45	Spontaneous magnetic moments inYBa2Cu3O7âˆ’Î´thin films. Physical Review B, 2000, 62, 13934-13937.	3.2	20
46	Low noise cryogenic system for the measurement of the Casimir energy in rigid cavities. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164023.	2.1	20
47	Dynamics of vortex matter in YBCO sub-micron bridges. Physica C: Superconductivity and Its Applications, 2014, 506, 188-194.	1.2	20
48	Suspended InAs nanowire Josephson junctions assembled via dielectrophoresis. Nanotechnology, 2015, 26, 385302.	2.6	20
49	YBa/sub 2/Cu/sub 3/O/sub 7-x/ grain boundary Josephson junctions with a MgO seed layer. IEEE Transactions on Applied Superconductivity, 1997, 7, 3327-3330.	1.7	19
50	Novel superconducting proximized heterostructures for ultrafast photodetection. Cryogenics, 2009, 49, 660-664.	1.7	19
51	Enhanced localized superconductivity in Sr₂RuO₄thin film by pulsed laser deposition. Superconductor Science and Technology, 2016, 29, 095005.	3.5	19
52	Characterization of scalable Josephson memory element containing a strong ferromagnet. Journal of Applied Physics, 2020, 127, .	2.5	19
53	The influence of heat treatment on the microstructure, flux pinning and magnetic properties of bulk BSCCO samples prepared by sol-gel route. Ceramics International, 2018, 44, 5209-5218.	4.8	18
54	Electron beam irradiation of Y1Ba2Cu3O7âˆ’x grain boundary Josephson junctions. Applied Physics Letters, 1997, 71, 125-127.	3.3	17

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55	Statistics of localized phase slips in tunable width planar point contacts. Scientific Reports, 2017, 7, 44569.	3.3	17
56	Electrodynamics of Highly Spin-Polarized Tunnel Josephson Junctions. Physical Review Applied, 2020, 13, .	3.8	17
57	Coexistence and tuning of spin-singlet and triplet transport in spin-filter Josephson junctions. Communications Physics, 2022, 5, .	5.3	17
58	Quantum properties of d-wave YBa2Cu3O7âˆ’Î´ Josephson junction. Physica C: Superconductivity and Its Applications, 2006, 435, 8-11.	1.2	16
59	Electrodynamics of Josephson junctions containing strong ferromagnets. Physical Review B, 2018, 98, .	3.2	16
60	Influence of the proximity effect on the conductance characteristics of superconducting point-contact junctions: Basic assumptions. Physical Review B, 1993, 48, 6695-6698.	3.2	15
61	Evidence for a Minigap in YBCO Grain Boundary Josephson Junctions. Physical Review Letters, 2010, 105, 147001.	7.8	15
62	Electron beam writing in fabricating planar high-Tc Josephson junctions. Physica C: Superconductivity and Its Applications, 1993, 209, 211-214.	1.2	14
63	YBCO Nanobridges: Simplified Fabrication Process by Using a Ti Hard Mask. IEEE Transactions on Applied Superconductivity, 2009, 19, 183-186.	1.7	14
64	Interplay between Static and Dynamic Properties of Semifluxons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:m mathvariant="bold">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mr xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>0</mml:mn><mml:mtext mathvaria. Physical Review Letters, 2010, 104, 177003.	7.8	14
65	Geometrical vortex lattice pinning and melting in YBaCuO submicron bridges. Scientific Reports, 2016, 6, 38677.	3.3	14
66	a-axis tilt grain boundaries for YBa2Cu3O7âˆ’x superconducting quantum interference devices. Applied Physics Letters, 1999, 75, 3542-3544.	3.3	13
67	Role of proximity effect in the interpretation of experimental data on high-Tctunnel junctions. Physical Review B, 1991, 44, 12026-12028.	3.2	12
68	Observation of mesoscopic conductance fluctuations inYBa2Cu3O7âˆ’Î´grain boundary Josephson junctions. Physical Review B, 2007, 75, .	3.2	12
69	Towards a Hybrid High Critical Temperature Superconductor Junction With a Semiconducting InAs Nanowire Barrier. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3429-3437.	1.8	12
70	Vortex Lattice Instabilities in YBa2Cu3O7-x Nanowires. Materials, 2018, 11, 211.	2.9	12
71	Hybrid ferromagnetic transmon qubit: Circuit design, feasibility, and detection protocols for magnetic fluctuations. Physical Review B, 2022, 105, .	3.2	12
72	Structure and morphology of MgO/YBCO bilayers for biepitaxial junctions. Physica C: Superconductivity and Its Applications, 1996, 273, 30-40.	1.2	11

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73	Intrinsic and extrinsicd-wave effects inYBa2Cu3O7â^'Î´grain boundary Josephson junctions: Implications forÏ€circuitry. Physical Review B, 2003, 67, .	3.2	11
74	Advances in high-Tc grain-boundary junctions. Low Temperature Physics, 2004, 30, 591-598.	0.6	11
75	The Role of Multiple Fluctuation Events in NbN and NbTiN Superconducting Nanostrip Single-Photon Detectors. Journal of Low Temperature Physics, 2020, 199, 6-11.	1.4	11
76	Progress in a Vacuum Weight Search Experiment. Physics, 2020, 2, 1-13.	1.4	11
77	A new type of biepitaxialc-axis tilted YBCO Josephson junction. Journal of Superconductivity and Novel Magnetism, 1996, 9, 237-244.	0.5	10
78	Mesoscopic conductance fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></	3.2	10
79	Can superconducting rings provide clues to the early development of the universe?. Physics Magazine, 2009, 2, .	0.1	10
80	Enhancement in superconducting properties of Bi2Sr2Ca1Cu2O8+Î´ (Bi-2212) by means of boron oxide additive. Physica C: Superconductivity and Its Applications, 2018, 548, 31-39.	1.2	10
81	Depairing Current at High Magnetic Fields in Vortex-Free High-Temperature Superconducting Nanowires. Nano Letters, 2019, 19, 4174-4179.	9.1	10
82	Inverse magnetic hysteresis of the Josephson supercurrent: Study of the magnetic properties of thin niobium/permalloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:m	3.2	10
83	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
84	Results of Measuring the Influence of Casimir Energy on Superconducting Phase Transitions. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2557-2565.	1.8	9
85	A potential method to correlate electrical properties and microstructure of a unique high-Tc superconducting Josephson junction. Applied Physics Letters, 1999, 74, 1024-1026.	3.3	8
86	Interplay between structural anisotropy and order parameter symmetry effects in transport properties of YBa $scriptstyle sf 2$ Cu $scriptstyle sf 3$ O $scriptstyle sf 7-delta$ grain boundary Josephson junctions. European Physical Journal B, 2002, 28, 3-7.	1.5	8
87	Paramagnetic effect inYBa2Cu3O7â^'xgrain-boundary junctions. Physical Review B, 2003, 68, .	3.2	8
88	Relevant energy scale in hybrid mesoscopic Josephson junctions. Physical Review B, 2008, 78, .	3.2	8
89	Sub-Micron ${m YBa}_{2}{m Cu}_{3}{m O}_{7-{m x}}$ Biepitaxial Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 174-177.	1.7	8
90	Tunneling Measurements of the Cuprate Superconductors. , 2007, , 19-86.		8

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91	Activation Energies in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Mo</mml:mi><mml:mi>Si</mml:mi></mml:mrow><mml:mo>/</mml:mo><mml:mi>Al</mml:m Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2022, 18, .	3.8	8
92	A qualitative explanation of tunneling characteristics of high-T c junctions in terms of the McMillan proximity model. Journal of Superconductivity and Novel Magnetism, 1991, 4, 35-43.	0.5	7
93	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
94	Coherent transport in extremely underdoped Nd1.2Ba1.8Cu3Oznanostructures. New Journal of Physics, 2012, 14, 083025.	2.9	7
95	Josephson effect in Al/Bi2Se3/Al coplanar hybrid devices. Physica C: Superconductivity and Its Applications, 2014, 503, 162-165.	1.2	7
96	The Archimedes experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 646-647.	1.6	7
97	Anomalies and proximity effect in high-T C tunnel junctions. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1990, 12, 863-868.	0.4	6
98	The Aladin2 experiment: status and perspectives. Journal of Physics A, 2006, 39, 6153-6159.	1.6	6
99	Macroscopic quantum tunneling and retrapping processes in moderately damped YBaCuO Josephson junctions. Low Temperature Physics, 2013, 39, 294-298.	0.6	6
100	Incipient Berezinskii-Kosterlitz-Thouless transition in two-dimensional coplanar Josephson junctions. Physical Review B, 2016, 94, .	3.2	6
101	Aluminum-ferromagnetic Josephson tunnel junctions for high quality magnetic switching devices. Applied Physics Letters, 2022, 120, .	3.3	6
102	Flavours of intrinsic d-wave induced effects in Y Ba2Cu3O7ÂÂgrain boundary Josephson junctions. Superconductor Science and Technology, 2004, 17, S202-S207.	3.5	5
103	Dynamics of a LC Shunted ${m YBa}_{2}{m Cu}_{3}{m O}_{7{hbox {-}}delta}$ Josephson Junction. IEEE Transactions on Applied Superconductivity, 2007, 17, 653-658.	1.7	5
104	Underlying physical aspects of fluctuations in YBa2Cu3O7â˘Î´grain boundary Josephson junctions. Physica C: Superconductivity and Its Applications, 2008, 468, 310-315.	1.2	5
105	Macroscopic quantum phenomena in Josephson structures. Low Temperature Physics, 2010, 36, 876-883.	0.6	5
106	Bias current ramp rate dependence of the crossover temperature from Kramers to phase diffusion switching in moderately damped NbN/AlN/NbN Josephson junctions. Journal of Applied Physics, 2014, 116, 043905.	2.5	5
107	Josephson Coupling in Junctions Made of Monolayer Graphene Grown on SiC. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1145-1150.	1.8	5
108	High efficiency superconducting field effect devices for oxide electronic applications. Superconductor Science and Technology, 2020, 33, 034007.	3.5	5

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109	Picoradiant tiltmeter and direct ground tilt measurements at the Sos Enattos site. European Physical Journal Plus, 2021, 136, 1.	2.6	5
110	YBa2Cu3O7-xJosephson junctions and dc SQUIDs based on 45Â° a -axis tilt and twist grain boundaries: atomically clean interfaces for applications. Superconductor Science and Technology, 1999, 12, 1007-1009.	3.5	4
111	Superconducting quantum interference device microscopy of fluxoids in superconducting rings and artificially layered systems. Superconductor Science and Technology, 2004, 17, 217-223.	3.5	4
112	Fabrication and properties of sub-micrometric YBCO biepitaxial junctions. Journal of Physics: Conference Series, 2009, 150, 052246.	0.4	4
113	Superconductive proximity in a topological insulator slab and excitations bound to an axial vortex. Physical Review B, 2012, 86, .	3.2	4
114	Casimir energy for two and three superconducting coupled cavities: Numerical calculations. European Physical Journal Plus, 2017, 132, 1.	2.6	4
115	Low temperature properties of spin filter NbN/GdN/NbN Josephson junctions. Physica C: Superconductivity and Its Applications, 2017, 533, 53-58.	1.2	4
116	Phase Dynamics and Macroscopic Quantum Tunneling. Springer Series in Materials Science, 2019, , 455-512.	0.6	4
117	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
118	Effects ofd-wave symmetry in high-TC grain boundary Josephson junctions. Physica Status Solidi (B): Basic Research, 2004, 241, 1192-1198.	1.5	3
119	Dynamics of d-wave YBa2Cu3O7â^'xdc SQUIDs. Superconductor Science and Technology, 2007, 20, S98-S104.	3.5	3
120	Ultrafast Photoresponse of Superconductor/Ferromagnet Nano-Layered Hybrids. IEEE Transactions on Applied Superconductivity, 2009, 19, 376-381.	1.7	3
121	Introductory Notes on the Josephson Effect: Main Concepts and Phenomenology. Springer Series in Materials Science, 2019, , 1-61.	0.6	3
122	Casimir energy for N superconducting cavities: a model for the YBCO (GdBCO) sample to be used in the Archimedes experiment. European Physical Journal Plus, 2022, 137, .	2.6	3
123	Variation of the Josephson current with carrier concentration in the barrier. Physical Review B, 1997, 56, 91-94.	3.2	2
124	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
125	Consequences of Unconventional Order Parameter Symmetry-High Critical Temperature Structures-. Physica Scripta, 2002, T102, 51.	2.5	2
126	Vortex matter in YBa2Cu3O7â^'Î´ grain boundary Josephson junctions: intrinsic and extrinsic d-wave effects for Ï€-circuitry. Physica C: Superconductivity and Its Applications, 2004, 404, 367-374.	1.2	2

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127	Advances in ${hbox{YBa}}_{2}{hbox{Cu}}_{3}{hbox{O}}_{7-delta}$ Grain Boundary Biepitaxial Josephson Junctions: Transport Properties and Mesoscopic Effects. IEEE Transactions on Applied Superconductivity, 2007, 17, 225-228.	1.7	2
128	Energy level quantization in a YBa2Cu3O7â^'Î´ Josephson junction. Physica C: Superconductivity and Its Applications, 2007, 460-462, 335-338.	1.2	2
129	Superconducting behaviour via percolation in Sr2RuO4-Sr3Ru2O7eutectic crystals. Journal of Physics: Conference Series, 2009, 150, 052056.	0.4	2
130	Niobium nanoSQUIDs Based on Sandwich nanojunctions: Performance as a Function of the Temperature. IEEE Transactions on Applied Superconductivity, 2015, , 1-1.	1.7	2
131	What happens in Josephson junctions at high critical current densities. Low Temperature Physics, 2017, 43, 816-823.	0.6	2
132	Critical Current Suppression in Spin-Filter Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3043-3049.	1.8	2
133	Investigation of the Inverse Magnetic Hysteresis of the Josephson Supercurrent in Magnetic Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
134	Effect of nonhomogeneous high-critical-temperature electrodes on tunneling and point contact junction measurements. Journal of Superconductivity and Novel Magnetism, 1994, 7, 391-394.	0.5	1
135	Magnetic-field dependence of conductance in microjunctions employing nonhomogeneous superconducting electrodes. Physical Review B, 1996, 53, 11770-11775.	3.2	1
136	Microstructure of Josephson junctions in relation to their properties. Superconductor Science and Technology, 1998, 11, 13-20.	3.5	1
137	Fabrication and characterization of 45Â° a-axis tilt grain boundary YBa/sub 2/Cu/sub 3/O/sub 7-x/ Josephson junctions and dc SQUIDs. IEEE Transactions on Applied Superconductivity, 1999, 9, 3113-3116.	1.7	1
138	DEPOSITION ON VICINAL SUBSTRATES FOR DOMAIN SELECTION IN YBa2Cu3O7 FILMS. International Journal of Modern Physics B, 2000, 14, 2646-2651.	2.0	1
139	Tunnel barriers for an all-high-Tc single electron tunneling transistor. Physica C: Superconductivity and Its Applications, 2002, 368, 337-342.	1.2	1
140	Influence of the structural anisotropy and of the order parameter symmetry on the transport properties of YBa2Cu3O7â^'Î´ grain boundaries Josephson junctions. Physica C: Superconductivity and Its Applications, 2002, 372-376, 87-90.	1.2	1
141	Macroscopic Quantum Phenomena in High Critical Temperature Superconducting Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2007, 19, 341-347.	1.8	1
142	The Aladin2 experiment: Sensitivity study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 515-517.	1.6	1
143	Publisherâ€™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
144	Characterization of Moderately Damped Low Tc Josephsonjunctions through Measurements of Switching Current Distributions. Physics Procedia, 2012, 36, 110-115.	1.2	1

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145	Study of Phase Dynamics in Moderately Damped Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2013, 26, 835-838.	1.8	1
146	Publisherâ€™s Note: Topological rf SQUID with a frustrating<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math>junction for probing the Majorana bound state [Phys. Rev. B88, 184512 (2013)]. Physical Review B, 2013, 88, .	3.2	1
147	Investigation of dark counts in innovative materials for superconducting nanowire single-photon detector applications. , 2017, , .		1
148	Hysteretic Critical State in Coplanar Josephson Junction with Monolayer Graphene Barrier. Journal of Superconductivity and Novel Magnetism, 2017, 30, 5-14.	1.8	1
149	10. Josephson and charging effect in mesoscopic superconducting devices. , 2017, , 309-338.		1
150	Use of a spoof plasmon to optimize the coupling of infrared radiation to Josephson-junction fluxon oscillations. Physical Review B, 2020, 101, .	3.2	1
151	Introduction: the Josephson Effect and Its Role in Physics. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1581-1586.	1.8	1
152	Unconventional magnetic hysteresis of the Josephson supercurrent in magnetic Josephson Junctions. , 2021, , .		1
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