Francesco Tafuri

List of Publications by Year
in descending order

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	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
2	Coexistence and tuning of spin-singlet and triplet transport in spin-filter Josephson junctions. Communications Physics, 2022, 5, .	5.3	17
3	Hybrid ferromagnetic transmon qubit: Circuit design, feasibility, and detection protocols for magnetic fluctuations. Physical Review B, 2022, 105, .	3.2	12
4	Aluminum-ferromagnetic Josephson tunnel junctions for high quality magnetic switching devices. Applied Physics Letters, 2022, 120, .	3.3	6
5	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:mi> Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2022, 18, .	4.6	8
6	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
7	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>	3.2	10
8	Introduction: the Josephson Effect and Its Role in Physics. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1581-1586.	1.8	1
9	Unconventional magnetic hysteresis of the Josephson supercurrent in magnetic Josephson Junctions. , 2021, , .		1
10	Picoradiant tiltmeter and direct ground tilt measurements at the Sos Enattos site. European Physical Journal Plus, 2021, 136, 1.	2.6	5
11	Superconducting Molybdenum Silicide nanostrips for single photon detectors. , 2021, , .		1
12	High efficiency superconducting field effect devices for oxide electronic applications. Superconductor Science and Technology, 2020, 33, 034007.	3.5	5
13	Quantum Internet: Networking Challenges in Distributed Quantum Computing. IEEE Network, 2020, 34, 137-143.	6.9	210
14	Critical Current Suppression in Spin-Filter Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3043-3049.	1.8	2
15	Characterization of scalable Josephson memory element containing a strong ferromagnet. Journal of Applied Physics, 2020, 127, .	2.5	19
16	Electrodynamics of Highly Spin-Polarized Tunnel Josephson Junctions. Physical Review Applied, 2020, 13, .	3.8	17
17	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
18	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

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19	Progress in a Vacuum Weight Search Experiment. Physics, 2020, 2, 1-13.	1.4	11
20	Brian Josephson: 80th Birthday. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1241-1242.	1.8	0
21	Low temperature characterization of high efficiency spin-filter Josephson junctions. EPJ Web of Conferences, 2020, 233, 05007.	0.3	0
22	Ferromagnetic Josephson Junctions for High Performance Computation. Proceedings (mdpi), 2019, 12, 16.	0.2	0
23	Superconductor to resistive state switching by multiple fluctuation events in NbTiN nanostrips. Scientific Reports, 2019, 9, 8053.	3.3	26
24	Tuning of Magnetic Activity in Spin-Filter Josephson Junctions Towards Spin-Triplet Transport. Physical Review Letters, 2019, 122, 047002.	7.8	24
25	Depairing Current at High Magnetic Fields in Vortex-Free High-Temperature Superconducting Nanowires. Nano Letters, 2019, 19, 4174-4179.	9.1	10
26	Phase Dynamics and Macroscopic Quantum Tunneling. Springer Series in Materials Science, 2019, , 455-512.	0.6	4
27	Currentâ€“Voltage Characteristics. Springer Series in Materials Science, 2019, , 235-274.	0.6	0
28	High Critical Temperature Superconductor Josephson Junctions andÂOther Exotic Structures. Springer Series in Materials Science, 2019, , 275-337.	0.6	0
29	Introductory Notes on the Josephson Effect: Main Concepts and Phenomenology. Springer Series in Materials Science, 2019, , 1-61.	0.6	3
30	RF assisted switching in magnetic Josephson junctions. Journal of Applied Physics, 2018, 123, .	2.5	29
31	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
32	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
33	Electrodynamics of Josephson junctions containing strong ferromagnets. Physical Review B, 2018, 98, .	3.2	16
34	Vortex Lattice Instabilities in YBa2Cu3O7-x Nanowires. Materials, 2018, 11, 211.	2.9	12
35	Properties of Ferromagnetic Josephson Junctions for Memory Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	24
36	Investigation of dark counts in innovative materials for superconducting nanowire single-photon detector applications. , 2017, , .		1

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37	Statistics of localized phase slips in tunable width planar point contacts. Scientific Reports, 2017, 7, 44569.	3.3	17
38	What happens in Josephson junctions at high critical current densities. Low Temperature Physics, 2017, 43, 816-823.	0.6	2
39	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
40	Casimir energy for two and three superconducting coupled cavities: Numerical calculations. European Physical Journal Plus, 2017, 132, 1.	2.6	4
41	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><m / <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><m two-dimensional system. Physical Review B, 2017, 95, .	3.2	43
42	Hysteretic Critical State in Coplanar Josephson Junction with Monolayer Graphene Barrier. Journal of Superconductivity and Novel Magnetism, 2017, 30, 5-14.	1.8	1
43	Low temperature properties of spin filter NbN/GdN/NbN Josephson junctions. Physica C: Superconductivity and Its Applications, 2017, 533, 53-58.	1.2	4
44	Induced unconventional superconductivity on the surface states of Bi2Te3 topological insulator. Nature Communications, 2017, 8, 2019.	12.8	40
45	10. Josephson and charging effect in mesoscopic superconducting devices. , 2017, , 309-338.		1
46	Geometrical vortex lattice pinning and melting in YBaCuO submicron bridges. Scientific Reports, 2016, 6, 38677.	3.3	14
47	Enhanced localized superconductivity in Sr₂RuO₄thin film by pulsed laser deposition. Superconductor Science and Technology, 2016, 29, 095005.	3.5	19
48	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
49	Josephson Coupling in Junctions Made of Monolayer Graphene Grown on SiC. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1145-1150.	1.8	5
50	Incipient Berezinskii-Kosterlitz-Thouless transition in two-dimensional coplanar Josephson junctions. Physical Review B, 2016, 94, .	3.2	6
51	Tunable spin polarization and superconductivity in engineered oxide interfaces. Nature Materials, 2016, 15, 278-283.	27.5	104
52	Suspended InAs nanowire Josephson junctions assembled via dielectrophoresis. Nanotechnology, 2015, 26, 385302.	2.6	20
53	Breakdown of the escape dynamics in Josephson junctions. Physical Review B, 2015, 92, .	3.2	26
54	Y-Ba-Cu-O nanostripes for optical photon detection. , 2015, , .		0

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55	Niobium nanoSQUIDs Based on Sandwich nanojunctions: Performance as a Function of the Temperature. IEEE Transactions on Applied Superconductivity, 2015, , 1-1.	1.7	2
56	Macroscopic quantum tunnelling in spin filter ferromagnetic Josephson junctions. Nature Communications, 2015, 6, 7376.	12.8	44
57	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
58	High-temperature superconducting nanowires for photon detection. Physica C: Superconductivity and Its Applications, 2015, 509, 16-21.	1.2	30
59	Resonant phase dynamics in 0-Ï€ Sineâ€“Gordon facets. Continuum Mechanics and Thermodynamics, 2015, 27, 639-658.	2.2	0
60	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
61	Effects of capacitance on phase dynamics of YBa2Cu3O7-x Josephson junctions. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.7	0
62	Towards weighing the condensation energy to ascertain the Archimedes force of vacuum. Physical Review D, 2014, 90, .	4.7	22
63	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:mo> Josephson devices. Physical Review B, 2014, 89, .	3.2	31
64	Highly homogeneous YBCO/LSMO nanowires for photoresponse experiments. Superconductor Science and Technology, 2014, 27, 044027.	3.5	29
65	Memorial to Professor Antonio Barone. Superconductor Science and Technology, 2014, 27, 040202.	3.5	0
66	Josephson effect in Al/Bi2Se3/Al coplanar hybrid devices. Physica C: Superconductivity and Its Applications, 2014, 503, 162-165.	1.2	7
67	Phase dynamics of low critical current density YBCO Josephson junctions. Physica C: Superconductivity and Its Applications, 2014, 503, 113-119.	1.2	0
68	Dynamics of vortex matter in YBCO sub-micron bridges. Physica C: Superconductivity and Its Applications, 2014, 506, 188-194.	1.2	20
69	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
70	Study of Phase Dynamics in Moderately Damped Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2013, 26, 835-838.	1.8	1
71	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
72	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

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73	Macroscopic quantum tunneling and retrapping processes in moderately damped YBaCuO Josephson junctions. Low Temperature Physics, 2013, 39, 294-298.	0.6	6
74	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
75	Coherent transport in extremely underdoped Nd1.2Ba1.8Cu3Oznanostructures. New Journal of Physics, 2012, 14, 083025.	2.9	7
76	Advantages of using high-temperature cuprate superconductor heterostructures in the search for Majorana fermions. Physical Review B, 2012, 86, .	3.2	28
77	Superconductive proximity in a topological insulator slab and excitations bound to an axial vortex. Physical Review B, 2012, 86, .	3.2	4
78	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
79	Direct Transition from Quantum Escape to a Phase Diffusion Regime in YBaCuO Biepitaxial Josephson Junctions. Physical Review Letters, 2012, 109, 050601.	7.8	43
80	Escape dynamics in moderately damped Josephson junctions (Review Article). Low Temperature Physics, 2012, 38, 263-272.	0.6	24
81	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
82	High critical current density and scaling of phase-slip processes in YBaCuO nanowires. Superconductor Science and Technology, 2012, 25, 035011.	3.5	40
83	Characterization of Moderately Damped Low Tc Josephsonjunctions through Measurements of Switching Current Distributions. Physics Procedia, 2012, 36, 110-115.	1.2	1
84	Energy scales in YBaCuO grain boundary biepitaxial Josephson junctions. Physica C: Superconductivity and Its Applications, 2012, 479, 74-78.	1.2	0
85	Quantum crossover in moderately damped epitaxial NbN/MgO/NbN junctions with low critical current density. Applied Physics Letters, 2011, 99, 062510.	3.3	27
86	Feasibility of a High Temperature Superconductor rf-SQUID Based on Biepitaxial Josephson Junction Technology. IEEE Transactions on Applied Superconductivity, 2011, 21, 151-155.	1.7	0
87	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
88	High quality factor HTS Josephson junctions on low loss substrates. Superconductor Science and Technology, 2011, 24, 045008.	3.5	21
89	Macroscopic quantum phenomena in Josephson structures. Low Temperature Physics, 2010, 36, 876-883.	0.6	5
90	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:mn mathvariant="bold">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml 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

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91	Submicron YBaCuO biepitaxial Josephson junctions: d-wave effects and phase dynamics. Journal of Applied Physics, 2010, 107, .	2.5	29
92	Evidence for a Minigap in YBCO Grain Boundary Josephson Junctions. Physical Review Letters, 2010, 105, 147001.	7.8	15
93	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> Physical Review B, 2010, 81, .	3.2	41
94	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
95	Macroscopic 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
96	Eck-Like Resonances in High-${m T}_{m c}$ Long Faceted Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 911-915.	1.7	0
97	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
98	YBCO Nanobridges: Simplified Fabrication Process by Using a Ti Hard Mask. IEEE Transactions on Applied Superconductivity, 2009, 19, 183-186.	1.7	14
99	Ultrafast Photoresponse of Superconductor/Ferromagnet Nano-Layered Hybrids. IEEE Transactions on Applied Superconductivity, 2009, 19, 376-381.	1.7	3
100	Antonio Barone on the Occasion of His 70th Birthday. Journal of Superconductivity and Novel Magnetism, 2009, 22, 867-869.	1.8	0
101	Novel superconducting proximized heterostructures for ultrafast photodetection. Cryogenics, 2009, 49, 660-664.	1.7	19
102	Fabrication and properties of sub-micrometric YBCO biepitaxial junctions. Journal of Physics: Conference Series, 2009, 150, 052246.	0.4	4
103	Superconducting behaviour via percolation in Sr2RuO4-Sr3Ru2O7eutectic crystals. Journal of Physics: Conference Series, 2009, 150, 052056.	0.4	2
104	Can superconducting rings provide clues to the early development of the universe?. Physics Magazine, 2009, 2, .	0.1	10
105	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
106	Coherent quasiparticle transport in grain boundary junctions employing high-Tc superconductors. Microelectronics Journal, 2008, 39, 1066-1069.	2.0	0
107	Superconductivity in Sr 2 RuO 4 -Sr 3 Ru 2 O 7 eutectic crystals. Europhysics Letters, 2008, 83, 27007.	2.0	26
108	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

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109	Relevant energy scale in hybrid mesoscopic Josephson junctions. Physical Review B, 2008, 78, .	3.2	8
110	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
111	Dynamics of d-wave YBa2Cu3O7â^'xdc SQUIDs. Superconductor Science and Technology, 2007, 20, S98-S104.	3.5	3
112	Observation of mesoscopic conductance fluctuations inYBa2Cu3O7â^'Î´grain boundary Josephson junctions. Physical Review B, 2007, 75, .	3.2	12
113	CaBaCuO Ultrathin Films and Junctions. IEEE Transactions on Applied Superconductivity, 2007, 17, 3581-3584.	1.7	0
114	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
115	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
116	Classical resonant activation of a Josephson junction embedded in an LC circuit. Physical Review B, 2007, 75, .	3.2	30
117	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
118	Energy level quantization in a YBa2Cu3O7â^'Î´ Josephson junction. Physica C: Superconductivity and Its Applications, 2007, 460-462, 335-338.	1.2	2
119	Transport measurements on Sr2RuO4â€“Sr3Ru2O7 eutectic crystals. Physica C: Superconductivity and Its Applications, 2007, 460-462, 526-527.	1.2	0
120	Transport measurements on ultra-thin CaBaCuO films. Physica C: Superconductivity and Its Applications, 2007, 460-462, 845-846.	1.2	0
121	Macroscopic Quantum Phenomena in High Critical Temperature Superconducting Josephson Junctions. Journal of Superconductivity and Novel Magnetism, 2007, 19, 341-347.	1.8	1
122	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
123	Tunneling Measurements of the Cuprate Superconductors. , 2007, , 19-86.		8
124	Dissipation in ultra-thin current-carrying superconducting bridges; evidence for quantum tunneling of Pearl vortices. Europhysics Letters, 2006, 73, 948-954.	2.0	42
125	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
126	Quantum properties of d-wave YBa2Cu3O7â^'Î´ Josephson junction. Physica C: Superconductivity and Its Applications, 2006, 435, 8-11.	1.2	16

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127	Quantum Dynamics of a d-Wave Josephson Junction. Science, 2006, 311, 57-60.	12.6	108
128	The Aladin2 experiment: status and perspectives. Journal of Physics A, 2006, 39, 6153-6159.	1.6	6
129	Weak links in high critical temperature superconductors. Reports on Progress in Physics, 2005, 68, 2573-2663.	20.1	136
130	Macroscopic Quantum Tunneling ind-WaveYBa2Cu3O7â˜Î Josephson Junctions. Physical Review Letters, 2005, 94, 087003.	7.8	151
131	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
132	Flavours of intrinsic d-wave induced effects in Y Ba2Cu3O7ÂÂgrain boundary Josephson junctions. Superconductor Science and Technology, 2004, 17, S202-S207.	3.5	5
133	Magnetic Imaging of Pearl Vortices in Artificially Layered(Ba0.9Nd0.1CuO2+x)m/(CaCuO2)nSystems. Physical Review Letters, 2004, 92, 157006.	7.8	38
134	Effects ofd-wave symmetry in high-TC grain boundary Josephson junctions. Physica Status Solidi (B): Basic Research, 2004, 241, 1192-1198.	1.5	3
135	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
136	Advances in high-Tc grain-boundary junctions. Low Temperature Physics, 2004, 30, 591-598.	0.6	11
137	Thermally Activated Spontaneous Fluxoid Formation in Superconducting Thin Film Rings. Physical Review Letters, 2003, 90, 257001.	7.8	50
138	Structure and properties of a class ofCeO2-based biepitaxialYBa2Cu3O7â˜Î Josephson junctions. Physical Review B, 2003, 67, .	3.2	25
139	Intrinsic and extrinsicd-wave effects inYBa2Cu3O7â˜Î´grain boundary Josephson junctions: Implications forÏ€circuitry. Physical Review B, 2003, 67, .	3.2	11
140	Paramagnetic effect inYBa2Cu3O7â˜xgrain-boundary junctions. Physical Review B, 2003, 68, .	3.2	8
141	Consequences of Unconventional Order Parameter Symmetry-High Critical Temperature Structures. , 2003, , .		1
142	Consequences of Unconventional Order Parameter Symmetry-High Critical Temperature Structures-. Physica Scripta, 2002, T102, 51.	2.5	2
143	Example of how an unconventional order parameter symmetry may open new perspectives in the design of HTS Josephson junctions. , 2002, 4811, 228.		0
144	Flux Flow of Abrikosov-Josephson Vortices along Grain Boundaries in High-Temperature Superconductors. Physical Review Letters, 2002, 88, 097001.	7.8	105

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145	Intrinsicd-Wave Effects inYBa2Cu3O7â^Ί´Grain Boundary Josephson Junctions. Physical Review Letters, 2002, 89, 207001.	7.8	100
146	Tunnel barriers for an all-high-Tc single electron tunneling transistor. Physica C: Superconductivity and Its Applications, 2002, 368, 337-342.	1.2	1
147	Influence of the structural anisotropy and of the order parameter symmetry on the transport properties of YBa2Cu3O7â^Ί´ grain boundaries Josephson junctions. Physica C: Superconductivity and Its Applications, 2002, 372-376, 87-90.	1.2	1
148	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
149	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
150	Effects of anomalous Andreev reflection in high T/sub c/ layered structures. IEEE Transactions on Applied Superconductivity, 2001, 11, 422-425.	1.7	0
151	Biepitaxial YBa2Cu3O7-x Grain Boundary Josephson Junctions: 0- and Ï€- Rings for Fundamental Studies and Potential Circuit Implementation. , 2001, , 83-100.		0
152	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
153	DEPOSITION ON VICINAL SUBSTRATES FOR DOMAIN SELECTION IN YBa2Cu3O7 FILMS. International Journal of Modern Physics B, 2000, 14, 2646-2651.	2.0	1
154	Feasibility of biepitaxialYBa2Cu3O7â^'xJosephson junctions for fundamental studies and potential circuit implementation. Physical Review B, 2000, 62, 14431-14438.	3.2	22
155	Andreev reflection in layered structures: Implications for high-Tcgrain-boundary Josephson junctions. Physical Review B, 2000, 62, 15200-15203.	3.2	26
156	Spontaneous magnetic moments inYBa2Cu3O7â^Ί´thin films. Physical Review B, 2000, 62, 13934-13937.	3.2	20
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