Naomichi Sakai

List of Publications by Year
in descending order

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341	6,486	94381	91828
papers	citations	37 h-index	69 g-index

348	348	348	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Melt processing for obtaining NdBa2Cu3Oysuperconductors with highTcand largeJc. Applied Physics Letters, 1994, 65, 633-635.	1.5	644
2	Melt-processed light rare earth element - Ba - Cu - O. Superconductor Science and Technology, 1996, 9, 1015-1032.	1.8	600
3	Flux Pinning in Melt-Grown $f NdBa_{2}Cu_{3}O_{inmbi y}$ and $f SmBa_{2}Cu_{3}O_{inmbi y}$ Superconductors. Japanese Journal of Applied Physics, 1994, 33, L715-L717.	0.8	429
4	New Type of Vortex Pinning Structure Effective at Very High Magnetic Fields. Physical Review Letters, 2002, 89, 237001.	2.9	175
5	Enhanced $mbi T_{f c}$ and Strong Flux Pinning in Melt-Processed $f NdBa_{2}Cu_{3}O_{inmbi y}$ Superconductors. Japanese Journal of Applied Physics, 1994, 33, L1000-L1003.	0.8	174
6	Melt-processed Gdâ€“Baâ€“Cuâ€“O superconductor with trapped field of 3 T at 77 K. Superconductor Science and Technology, 2005, 18, S126-S130.	1.8	162
7	Influence of the size of Gd211 starting powder on the critical current density of Gd-Ba-Cu-O bulk superconductor. Superconductor Science and Technology, 2000, 13, 778-784.	1.8	101
8	A new type of pinning center in melt grown Nd123 and Sm123. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2781-2782.	0.6	94
9	Processing of high-performance Gdâ€“Baâ€“Cuâ€“O bulk superconductor with Ag addition. Superconductor Science and Technology, 2002, 15, 648-652.	1.8	71
10	High critical current density in Yâ€“Baâ€“Cuâ€“O bulk superconductors with very fine Y211 particles. Superconductor Science and Technology, 2004, 17, S30-S35.	1.8	71
11	High critical current density in REâ€“Baâ€“Cuâ€“O bulk superconductors with very fine RE2BaCuO5 particles. Physica C: Superconductivity and Its Applications, 2004, 412-414, 557-565.	0.6	66
12	Mechanical properties of Sm-Ba-Cu-O/Ag bulk superconductors. Superconductor Science and Technology, 2000, 13, 770-773.	1.8	64
13	Magnetization properties for Gdâ€“Baâ€“Cuâ€“O bulk superconductors with a couple of pulsed-field vortex-type coils. Physica C: Superconductivity and Its Applications, 2004, 412-414, 638-645.	0.6	62
14	Diffusion joint of YBCO coated conductors using stabilizing silver layers. Physica C: Superconductivity and Its Applications, 2006, 445-448, 686-688.	0.6	61
15	Optimization of matrix chemical ratio for high flux pinning in ternary (Ndâ€“Euâ€“Gd)Ba2Cu3Oy. Applied Physics Letters, 2001, 79, 3107-3109.	1.5	60
16	A single-electron device and circuit simulator. Superlattices and Microstructures, 1997, 21, 37-42.	1.4	59
17	Mechanical properties of REâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2000, 335, 107-111.	0.6	59
18	â€œMonomorph Actuatorsâ€•Using Semiconductive Ferroelectrics. Japanese Journal of Applied Physics, 1987, 26, 1046-1049.	0.8	57

#	Article	IF	Citations
19	Microstructures and superconducting properties of melt-processed (RE,REâ€²)î—¸Baî—¸Cuî—¸O. Physica C: Superconductivity and Its Applications, 1997, 288, 141-147.	0.6	56
20	Record flux pinning in melt-textured NEG-123 doped by Mo and Nb nanoparticles. Applied Physics Letters, 2008, 92, 162512.	1.5	55
21	Melt processing for obtaining REBa/sub 2/Cu/sub 3/O/sub y/ superconductors (RE=Nd, Sm) with high T/sub c/ and large J/sub c/. IEEE Transactions on Applied Superconductivity, 1995, 5, 1568-1571.	1.1	52
22	Direct observation and analysis of nanoscale precipitates in (Sm,Eu,Gd)Ba2Cu3Oy. Applied Physics Letters, 2004, 85, 3504-3506.	1.5	51
23	Direct measurements of mechanical properties for large-grain bulk superconductors. Physica C: Superconductivity and Its Applications, 2000, 340, 41-50.	0.6	49
24	Growth of single-domain (Sm0.5Eu0.5)Ba2Cu3O7â˜Î´ with high Tc and Jc by employing a thermal gradient. Applied Physics Letters, 2001, 78, 2539-2541.	1.5	48
25	Vortex pinning by mesoscopic defects: A way to levitation at liquid oxygen temperature. Applied Physics Letters, 2003, 83, 5005-5007.	1.5	46
26	Development of Gdâ€“Baâ€“Cuâ€“O bulk magnets with very high trapped magnetic field. Physica C: Superconductivity and Its Applications, 2002, 378-381, 631-635.	0.6	45
27	Fabrication of large melt-textured Gdî—¸Baî—¸Cuî—¸O superconductor with Ag addition. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2409-2412.	0.6	44
28	Vickers hardness properties of YBCO bulk superconductor at cryogenic temperatures. Physica C: Superconductivity and Its Applications, 2001, 357-360, 796-798.	0.6	44
29	Effect of BaO2 and fine Gd2BaCuO7â˜Î´ addition on the superconducting properties of air-processed GdBa2Cu3O7â˜Î´. Superconductor Science and Technology, 2005, 18, 229-233.	1.8	44
30	Preparation and properties of OCMG-processed Gdâ€“Baâ€“Cuâ€“O bulk superconductors with very fine Gd211 particles. Physica C: Superconductivity and Its Applications, 2001, 357-360, 811-813.	0.6	43
31	Flux pinning properties in a GdBa₂Cu₃O_{7â˜Î´}bulk superconductor with the addition of magnetic alloy particles. Superconductor Science and Technology, 2009, 22, 095009.	1.8	43
32	Pinning characteristics in chemically modified (Nd, Eu, Gd)â€“Baâ€“Cuâ€“O superconductors. Applied Physics Letters, 2003, 82, 943-945.	1.5	42
33	Progress in melt-processed (NdÂSmÂGd)Ba2Cu3Oysuperconductors. Superconductor Science and Technology, 2003, 16, R1-R16.	1.8	41
34	Superconducting magnetic bearing for a flywheel energy storage system using superconducting coils and bulk superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 1244-1249.	0.6	40
35	Superconducting joint of Yâ€“Baâ€“Cuâ€“O superconductors using Erâ€“Baâ€“Cuâ€“O solder. Physica C: Superconductivity and Its Applications, 2002, 370, 53-58.	0.6	39
36	Joining Y123 bulk superconductors using Yb$ndash$Ba$ndash$Cu$ndash$O and Er$ndash$Ba$ndash$Cu$ndash$O solders. Superconductor Science and Technology, 2002, 15, 712-716.	1.8	38

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37	Control of Y₂BaCuO₅ size and morphology in melt-processed YBa₂Cu₃O_{7â^'Î´} superconductor. Journal of Materials Research, 1995, 10, 1611-1621.	1.2	37
38	Processing of GdBa2Cu3O7â^'y bulk superconductor and its trapped magnetic field. Physica C: Superconductivity and Its Applications, 2001, 357-360, 629-634.	0.6	37
39	Effect of RE2BaCuO5 refinement on the critical current density and trapped field of melt-textured (Gd,) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	36
40	Modulation of the peak effect in melt-processed (Sm1â^'xEux)Ba2Cu3O7â^'Î´ superconductors with compositional fluctuation. Applied Physics Letters, 2002, 81, 4796-4798.	1.5	34
41	Flux pinning properties and superconductivity of Gd-123 superconductor with addition of nanosized SnO2/ZrO2 particles. Physica C: Superconductivity and Its Applications, 2006, 445-448, 357-360.	0.6	34
42	Mechanical properties of bulk superconductors. Superconductor Science and Technology, 2000, 13, 816-819.	1.8	33
43	Field trapping property of Gdâ€"Baâ€"Cuâ€"O bulk superconductor 140mm in diameter. Physica C: Superconductivity and Its Applications, 2006, 445-448, 339-342.	0.6	33
44	Superconducting properties of Gd123 superconductor fabricated in air. Superconductor Science and Technology, 2000, 13, 676-678.	1.8	32
45	Pulsed Field Magnetization for GdBaCuO Bulk With Stronger Pinning Characteristics. IEEE Transactions on Applied Superconductivity, 2009, 19, 3545-3548.	1.1	32
46	Effect of Ag2O addition on the trapped fields and mechanical properties of Nd$ndash$Ba$ndash$Cu$ndash$O bulk superconductors. Superconductor Science and Technology, 2002, 15, 1092-1098.	1.8	31
47	Levitation of NEG-123 at the temperature of liquid oxygen (90.2 K). Superconductor Science and Technology, 2003, 16, L46-L48.	1.8	31
48	Optimization of the diffusion joint process for the Ag layers of YBCO coated conductors. Physica C: Superconductivity and Its Applications, 2007, 463-465, 747-750.	0.6	31
49	Delamination behavior of Gd123 coated conductor fabricated by PLD. Physica C: Superconductivity and Its Applications, 2011, 471, 1075-1079.	0.6	31
50	Mechanical properties of melt-textured Gdâ€"Baâ€"Cuâ€"O bulk with silver addition. Physica C: Superconductivity and Its Applications, 2002, 378-381, 779-782.	0.6	30
51	Tensile mechanical properties of (Nd,Eu,Gd)â€"Baâ€"Cuâ€"O bulk superconductors at room and liquid nitrogen temperatures. Physica C: Superconductivity and Its Applications, 2002, 378-381, 794-797.	0.6	30
52	Effects of Dy2BaCuO5 contents on microstructure and mechanical strength of Ag-added Dyâ€"Baâ€"Cuâ€"O bulk superconductors. Physica C: Superconductivity and Its Applications, 2004, 412-414, 651-656.	0.6	30
53	Critical currents of OCMG processed Nd123 crystals. Physica C: Superconductivity and Its Applications, 1996, 263, 396-400.	0.6	29
54	Effect of ZrO2 and ZnO nanoparticles inclusions on superconductive properties of the melt-processed GdBa2Cu3O7â^'Î´ bulk superconductor. Physica C: Superconductivity and Its Applications, 2008, 468, 1363-1365.	0.6	29

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55	Synthesis and structural analysis of the superconducting lead cuprates, (Pb, Cu) (Sr, R)2 (Râ€²,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 337-344.	0.6	28
56	Fracture toughness evaluation of YBCO bulk superconductor. Physica C: Superconductivity and Its Applications, 2003, 392-396, 628-633.	0.6	27
57	Enhanced flux pinning of air-processed Gd123 by doping ZrO2 nanoparticles. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1341-1342.	0.6	27
58	Proliferation and differentiation of myelodysplastic CD34+cells in serum-free medium: response to individual colony-stimulating factors. British Journal of Haematology, 1993, 83, 349-358.	1.2	26
59	Melt processing for strong flux pinning in RE-Ba-Cu-O (RE: Nd, Sm, Eu, Gd) superconductors. Journal of Electronic Materials, 1995, 24, 1923-1930.	1.0	26
60	Subgrain structures in melt-processed REBa2Cu3Oy(RE = Y, Sm) bulk superconductors. Superconductor Science and Technology, 2000, 13, 688-692.	1.8	26
61	Advances in enlargement of melt-textured Gdâ€“Baâ€“Cuâ€“O superconductors. Superconductor Science and Technology, 2006, 19, S500-S505.	1.8	26
62	Application of a Compact Cryogen-free Superconducting Bulk Magnet to NMR. TEION KOGAKU (Journal) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	26
63	Low resistance joint of the YBCO coated conductor. Journal of Physics: Conference Series, 2006, 43, 166-169.	0.3	25
64	Development of cryogenic permanent undulators operating around liquid nitrogen temperature. New Journal of Physics, 2006, 8, 287-287.	1.2	25
65	Melt-processed LRE-Ba-Cu-O superconductors and prospects for their applications. Journal of Alloys and Compounds, 1997, 250, 439-448.	2.8	24
66	Microstructures and superconducting properties of single domain (Sm0.5,Eu0.5)Ba2Cu3O7â˜Î´ superconductors fabricated in air. Physica C: Superconductivity and Its Applications, 2002, 366, 157-163.	0.6	24
67	Effect of Gd2Ba4CuMoOyaddition on the band structure and spatial variation of superconducting properties in GdBa2Cu3O7â˜Î´single domains. Superconductor Science and Technology, 2005, 18, 1082-1088.	1.8	24
68	Superconductivity in (Pb/Cu)-â€œ1222â€•copper oxides. Physica C: Superconductivity and Its Applications, 1993, 212, 75-80.	0.6	23
69	Enhancement of critical current density of Dyâ€“Baâ€“Cuâ€“O bulk superconductor by the refinement of Dy211 particles. Physica C: Superconductivity and Its Applications, 2001, 357-360, 814-816.	0.6	23
70	Temperature Dependency of Levitation Force and Its Relaxation in HTS. IEEE Transactions on Applied Superconductivity, 2007, 17, 3020-3023.	1.1	22
71	Diffusion joint using silver layer of YBCO coated conductors for applications. Physica C: Superconductivity and Its Applications, 2008, 468, 1571-1574.	0.6	22
72	Refinement of RE211 particles in melt-textured RE$ndash$Ba$ndash$Cu$ndash$O bulk superconductors. Superconductor Science and Technology, 2002, 15, 679-682.	1.8	21

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73	Single-grain growth, microstructure and superconducting properties of (Sm, Eu)123 superconductors with BaCuO2Âxaddition. Superconductor Science and Technology, 2003, 16, 33-38.	1.8	21
74	Magnetic properties of melt-processed large single domain Gdâ€“Baâ€“Cuâ€“O bulk superconductor 140mm in diameter. Physica C: Superconductivity and Its Applications, 2007, 460-462, 305-309.	0.6	21
75	Effect of BaO2addition on superconducting properties of melt-processed (Sm,Eu,Gd)Ba2Cu3O7ÂÂsuperconductors. Superconductor Science and Technology, 2004, 17, 545-548.	1.8	20
76	Recovery of trapped field distribution around a growth sector in a Gdâ€“Baâ€“Cuâ€“O HTS bulk with pulsed-field magnetization. Superconductor Science and Technology, 2006, 19, S466-S471.	1.8	20
77	Structural properties of (Pb,Cu) (Sr,Nd)2(Ho,Ce)2Cu2O9â˜Î´. Physica C: Superconductivity and Its Applications, 1992, 193, 73-80.	0.6	19
78	Confirmation of Ba-rich Nd1+xBa2-xCu3O7-Î´solid solutions. Superconductor Science and Technology, 2000, 13, 637-640.	1.8	19
79	Formation of pores in melt-processed RE$ndash$Ba$ndash$Cu$ndash$O and the techniques to reduce pore density. Superconductor Science and Technology, 2002, 15, 698-701.	1.8	19
80	Review on the Use of Superconducting Bulks for Magnetic Screening in Electrical Machines for Aircraft Applications. Materials, 2021, 14, 2847.	1.3	19
81	Fabrication of large single-domain Sm123 superconductors by OCMG method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 104-108.	1.7	18
82	Experiment for growing large Gdâ€“Baâ€“Cuâ€“Oâ€“Ag bulk superconductor. Physica C: Superconductivity and Its Applications, 2005, 426-431, 515-519.	0.6	18
83	A study on levitation force and its time relaxation behavior for a bulk superconductor-magnet system. Physica C: Superconductivity and Its Applications, 2008, 468, 1461-1464.	0.6	18
84	Studies of the Nd1+xBa2â^'xCu3Oy solid solutions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 65, 11-16.	1.7	17
85	Stressâ€“strain characteristics and fracture surface morphology of (Sm,Gd)â€“Baâ€“Cuâ€“O bulk superconductor. Physica C: Superconductivity and Its Applications, 2002, 378-381, 722-726.	0.6	17
86	Microstructure and superconducting properties of Dyâ€“Baâ€“Cuâ€“O bulk superconductors fabricated in different oxygen atmospheres. Physica C: Superconductivity and Its Applications, 2005, 426-431, 660-665.	0.6	17
87	Flux pinning in melt processed REî—¸Baî—¸Cuî—¸O. Physica C: Superconductivity and Its Applications, 1997, 282-287, 371-374.	0.6	16
88	Measurements of the thermal stresses in large-grain Yâ€“Baâ€“Cuâ€“O superconductors. Physica C: Superconductivity and Its Applications, 2001, 349, 69-74.	0.6	16
89	Mechanical properties of Smâ€“Baâ€“Cuâ€“O bulk superconductors at room temperature. Physica C: Superconductivity and Its Applications, 2003, 392-396, 557-561.	0.6	16
90	Effects of Ag content on the mechanical properties of (Nd,Eu,Gd)â€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2003, 392-396, 526-530.	0.6	16

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91	Solubility and superconductivity of Gd1+xBa2â^'xCu3O7â^'Î´ compounds (x=â^'0.1,0,0.05,0.1,0.15 and 0.2). Physica C: Superconductivity and Its Applications, 2005, 417, 77-84.	0.6	16
92	Field trapping and magnetic levitation performances of large single-grain Gdâ€"Baâ€"Cuâ€"O at different temperatures. Physica C: Superconductivity and Its Applications, 2005, 426-431, 654-659.	0.6	16
93	Force Density of Magnetic Bearings Using Superconducting Coils and Bulk Superconductors. Quarterly Report of RTRI (Railway Technical Research Institute) (Japan), 2008, 49, 127-132.	0.1	16
94	Effect of BaSnO3 additions in MPMG-processed YBCO. Physica C: Superconductivity and Its Applications, 1994, 233, 155-164.	0.6	15
95	Effects of Pt and CeO2addition on the growth of Nd4Ba2Cu2O10particles. Superconductor Science and Technology, 2000, 13, 660-664.	1.8	15
96	A comparative study of enhanced flux pinning among melt-processed SmBa2Cu3O7â^'Î´, (Sm0.5Eu0.5)Ba2Cu3O7â^'Î´, EuBa2Cu3O7â^'Î´ superconductors. Physica C: Superconductivity and Its Applications, 2001, 357-360, 461-465.	0.6	15
97	Cold seeded melt growth of REâ€"Baâ€"Cuâ€"O superconductor (RE=Gd, Y). Physica C: Superconductivity and Its Applications, 2001, 357-360, 706-708.	0.6	15
98	Development of Single-domain Annular REBCO Bulk Superconductors for Compact Cryogen-free NMR. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2011, 46, 131-138.	0.1	15
99	Synthesis of Dense MgB2 Superconductor via In Situ and Ex Situ Spark Plasma Sintering Method. Materials, 2021, 14, 7395.	1.3	15
100	Possibility of Tcand Jcenhancement in 10% BaSnO3-doped MPMG-processed YBCO. Superconductor Science and Technology, 1994, 7, 783-786.	1.8	14
101	Progress in melt processing of Nd-Ba-Cu-O superconductors. IEEE Transactions on Applied Superconductivity, 1997, 7, 1781-1786.	1.1	14
102	Field-Cooled Flux Distributions as Tool to Analyze Pinning Properties. Japanese Journal of Applied Physics, 1998, 37, L1227-L1230.	0.8	14
103	Properties of HTS for successful U/n processing. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1415-1418.	0.6	14
104	Tensile strength and fracture surface topography of Sm$ndash$Ba$ndash$Cu$ndash$O bulk superconductors. Superconductor Science and Technology, 2002, 15, 1099-1104.	1.8	14
105	Low temperature mechanical properties of Y123 bulk superconductor fabricated by the modified QMG process. Physica C: Superconductivity and Its Applications, 2004, 412-414, 673-677.	0.6	14
106	Levitation forces of bulk REâ€"Baâ€"Cuâ€"O in high magnetic fields. Physica C: Superconductivity and Its Applications, 2006, 445-448, 412-416.	0.6	14
107	Effect of silver addition on the field trapping properties of Gdâ€"Baâ€"Cuâ€"O bulk superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 774-778.	0.6	13
108	Large grain growth and superconducting properties of GdBa2Cu3O7â^'Î´ fabricated in air with BaCuO2â^'x addition. Physica C: Superconductivity and Its Applications, 2003, 386, 275-278.	0.6	13

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109	Deformation and Fracture Behavior of Sm123 Bulk Superconductors by Compressive Loading at Room Temperature. IEEE Transactions on Applied Superconductivity, 2004, 14, 1114-1117.	1.1	13
110	Joining of different Yâ€“Baâ€“Cuâ€“O blocks. Physica C: Superconductivity and Its Applications, 2004, 402, 119-126.	0.6	13
111	Nanoscale Gd2BaCuO5 particles in (Sm0.33Eu0.33Gd0.33)Ba2Cu3Oy and magnetic levitation at 90.2 K. Superconductor Science and Technology, 2005, 18, L9-L12.	1.8	13
112	Fabrication of large-grain Ndâ€“Baâ€“Cuâ€“O superconductor. Physica C: Superconductivity and Its Applications, 2001, 357-360, 694-696.	0.6	12
113	An evaluation of mechanical properties of YBaCuO and (Sm,Gd)BaCuO bulk superconductors using Vickers hardness test at cryogenic temperatures. IEEE Transactions on Applied Superconductivity, 2002, 12, 1755-1758.	1.1	12
114	Levitation forces of bulk superconductors in varying fields. Physica C: Superconductivity and Its Applications, 2003, 392-396, 579-584.	0.6	12
115	Mechanical properties of Ndâ€“Baâ€“Cuâ€“O bulk superconductors. Superconductor Science and Technology, 2003, 16, 1086-1091.	1.8	12
116	Effect of nanoscopic ZrO2particles on flux pinning in (Nd, Eu, Gd)-123/Gd-211 composites. Superconductor Science and Technology, 2004, 17, 1129-1132.	1.8	12
117	Enhanced Jc in air-processed GdBa2Cu3O7â˜Î´ superconductors. Physica C: Superconductivity and Its Applications, 2005, 426-431, 613-617.	0.6	12
118	RE-Ba-Cu-O for high functional superconducting permanent magnet. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 203-210.	1.7	11
119	Eâ€“J characteristics of NdBa2Cu3O7â˜Î´ bulk superconductor determined with ac susceptibility. Physica C: Superconductivity and Its Applications, 2001, 357-360, 531-533.	0.6	11
120	Excess of Eu in the (Nd0.33Eu0.33ÂxGd0.33Âx)Ba2Cu3Oysystem: the way to a high irreversibility field at 77 K. Superconductor Science and Technology, 2002, 15, 1357-1363.	1.8	11
121	Superconducting properties of melt-textured REâ€“Baâ€“Cuâ€“O (RE: Ho, Er and Y) bulk superconductors with various RE211 contents. Physica C: Superconductivity and Its Applications, 2003, 392-396, 516-520.	0.6	11
122	Irreversibility field above 14 T at 77 K (Nd-Eu-Gd)Ba/sub 2/Cu/sub 3/O/sub y/. IEEE Transactions on Applied Superconductivity, 2003, 13, 3091-3094.	1.1	11
123	Barium cerate as effective flux pinning centers in Y123 bulk materials. Physica C: Superconductivity and Its Applications, 2005, 426-431, 602-607.	0.6	11
124	Processing of High-Performance (Gd, Y)-Ba-Cu-O Bulk Superconductors With Fine RE211 Pinning Centers. IEEE Transactions on Applied Superconductivity, 2005, 15, 3110-3113.	1.1	11
125	Properties and Applications of Bulk High Temperature Superconductors. Melt Processing and Superconducting Properties of Bulk Gd123 Superconductor.. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Over		
126	Improvement in Field Trapping Capability of (Nd,Eu,Gd) Ba2Cu3Oywith Ag2O Addition. Japanese Journal of Applied Physics, 2001, 40, 6329-6334.	0.8	10

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127	Structure of subgrains in large single-grain REâ€“Baâ€“Cuâ€“O (RE=Y, Sm, Nd) bulk superconductors. Journal of Crystal Growth, 2001, 229, 358-364.	0.7	10
128	Melt processing and enhanced superconducting properties of single domain (Sm0.5Eu0.5)123 superconductors fabricated in air. Superconductor Science and Technology, 2002, 15, 675-678.	1.8	10
129	Magnetic and microstructure study of bulk (Sm_{0.33}Eu_{0.33}Gd_{0.33})Ba₂Cu₃O_y with submicron Gd₂BaCuO₅ second-phase particles. Journal of Materials Research, 2003, 18, 1073-1080.	1.2	10
130	Fracture Toughness of Sm123 Bulk Superconductors Evaluated by Tensile and Bending Tests. IEEE Transactions on Applied Superconductivity, 2004, 14, 1046-1049.	1.1	10
131	Optimum processing conditions for the fabrication of large, single grain Ag-doped YBCO bulk superconductors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 2-6.	1.7	10
132	Transmission Electron Microscopy and Atomic Force Microscopy Observation of Air-Processed GdBa2Cu3O7-Î´Superconductors Doped with Metal Oxide Nanoparticles (Metal = Zr, Zn, and Sn). Japanese Journal of Applied Physics, 2009, 48, 023002.	0.8	10
133	Effect of ZrO2 and BaZrO3 addition on the microstructure and superconducting properties of melt processed NdBa2Cu3O7â^Î´. Physica C: Superconductivity and Its Applications, 2001, 357-360, 697-701.	0.6	9
134	Strong coupled joint for Yâ€“Baâ€“Cuâ€“O superconductors using a sintered Erâ€“Baâ€“Cuâ€“O solder. Physica C: Superconductivity and Its Applications, 2002, 378-381, 622-626.	0.6	9
135	Effect of Nd422 content on the trapped fields of Ndâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 732-737.	0.6	9
136	Joining of Yâ€“Baâ€“Cuâ€“O/Ag bulk superconductors using Erâ€“Baâ€“Cuâ€“O/Ag solder. Superconductor Science and Technology, 2004, 17, S46-S50.	1.8	9
137	Pinning centres in NEG-123 active at liquid oxygen temperature (90.2 K). Superconductor Science and Technology, 2004, 17, S66-S69.	1.8	9
138	Effect of preloading on the relaxation of the levitation force in bulk Yâ€“Baâ€“Cuâ€“O superconductors. Physica C: Superconductivity and Its Applications, 2005, 426-431, 789-793.	0.6	9
139	Pulsed field magnetization properties for Gdâ€“Baâ€“Cuâ€“O superconductors impregnated with Biâ€“Snâ€“Cd alloy. Physica C: Superconductivity and Its Applications, 2006, 445-448, 408-411.	0.6	9
140	The microstructure and properties of single grain bulk Ag-doped Yâ€“Baâ€“Cuâ€“O fabricated by seeded infiltration and growth. Physica C: Superconductivity and Its Applications, 2008, 468, 1387-1390.	0.6	9
141	Pulsed field magnetization properties for a large single-grain Gd-Ba-Cu-O high-temperature superconductor bulk with a diameter of 140 mm by using a new type of pulsed copper split coil. Journal of Physics: Conference Series, 2008, 97, 012278.	0.3	9
142	Observation of record flux pinning in melt-textured NEG-123 superconductor doped by Nb, Mo, and Ti nanoparticles. Physica C: Superconductivity and Its Applications, 2009, 469, 1196-1199.	0.6	9
143	Effect of Silver Addition on Mechanical Properties of Melt-Processed Sm-Ba-Cu-O Bulk Superconductor. Journal of Low Temperature Physics, 1999, 117, 981-985.	0.6	8
144	Superconducting properties of large grain (Sm, Gd)-Ba-Cu-O blocks. Superconductor Science and Technology, 2000, 13, 679-682.	1.8	8

#	Article	IF	Citations
145	Superconducting properties of (Gd, Nd)-Ba-Cu-O bulk superconductor fabricated by melt processing in air. Superconductor Science and Technology, 2000, 13, 774-777.	1.8	8
146	Effect of microstructure on the superconducting properties of Gdâ€“Baâ€“Cuâ€“O bulk fabricated in air. Physica C: Superconductivity and Its Applications, 2001, 357-360, 817-820.	0.6	8
147	Enhancement of trapped fields of large-grain Nd$ndash$Ba$ndash$Cu$ndash$O superconductors. Superconductor Science and Technology, 2002, 15, 781-785.	1.8	8
148	Air processing of ternary (Sm,Eu,Gd)Ba2Cu3O7â^Î´ superconductors with enhanced peak effects. Physica C: Superconductivity and Its Applications, 2004, 402, 127-135.	0.6	8
149	Fracture Toughness of SmBaCuO Bulk Superconductors at Cryogenic Temperatures. IEEE Transactions on Applied Superconductivity, 2004, 14, 1118-1121.	1.1	8
150	The effect of inhomogeneous flux penetration into bulk superconductor by pulsed field magnetization. Superconductor Science and Technology, 2005, 18, 1179-1182.	1.8	8
151	Preparation and properties of Euâ€“Baâ€“Cuâ€“O superconducting bulk magnets for NMR application. Physica C: Superconductivity and Its Applications, 2008, 468, 1451-1455.	0.6	8
152	Practical technique of pulsed field magnetization for bulk HTS application. Journal of Physics: Conference Series, 2008, 97, 012295.	0.3	8
153	Position feedback control using magneto impedance sensors on conveyor with superconducting magnetic levitation. Sensors and Actuators A: Physical, 2009, 150, 110-115.	2.0	8
154	Optimization of Carbon Encapsulated Boron Doping for Highâ€Performance Bulk Sintered MgB₂. Advanced Engineering Materials, 2020, 22, 2000478.	1.6	8
155	A.C. magnetization characteristics of Nd123 bulk superconductors. Cryogenics, 1997, 37, 643-647.	0.9	7
156	Phase relations in the Nd-Ba-Cu-O system in reduced oxygen atmospheres. Superconductor Science and Technology, 2000, 13, 633-636.	1.8	7
157	Pinning properties in melt-processed YbBa2Cu3O7â^Î´ with finely dispersed Yb2BaCuO5 inclusions. Physica C: Superconductivity and Its Applications, 2002, 366, 229-237.	0.6	7
158	Solubility limit and crystallization of (Sm0.5Eu0.5)1+xBa2â^xCu3O7â^Î´. Physica C: Superconductivity and Its Applications, 2002, 371, 19-26.	0.6	7
159	Subgrain structures and their effects on critical current properties in large single-domain RE123 bulk superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 727-731.	0.6	7
160	Trapped magnetic field of Gdâ€“Baâ€“Cuâ€“O/Ag bulk fabricated in air. Physica C: Superconductivity and Its Applications, 2002, 378-381, 764-768.	0.6	7
161	Effect of Nd422 addition on the mechanical properties of Ndâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2003, 384, 391-398.	0.6	7
162	Subgrain structures and superconductivity in REâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2003, 386, 225-230.	0.6	7

#	Article	IF	Citations
163	Hot-seeding melt growth of large (Sm-Eu)123 single domains in air with controlled chemical substitutions. IEEE Transactions on Applied Superconductivity, 2003, 13, 3079-3082.	1.1	7
164	Effects of subgrains on critical current properties in melt-processed REâ€“Baâ€“Cuâ€“O bulk superconductors. Superconductor Science and Technology, 2004, 17, S61-S65.	1.8	7
165	Magnetic levitation in liquid oxygen and its applications. Physica C: Superconductivity and Its Applications, 2004, 412-414, 739-743.	0.6	7
166	Effect of low temperature annealing on doping level and superconducting properties for IBAD/PLDâ€“YBCO coated conductor. Physica C: Superconductivity and Its Applications, 2005, 426-431, 1113-1117.	0.6	7
167	Irreversible field determined by pulsed magnetization and compositional fluctuation of melt-processed (Sm,Eu,Gd)Ba2Cu3O7âˆ'Î´ superconductors. Superconductor Science and Technology, 2005, 18, 58-63.	1.8	7
168	Spatial Inhomogeneities of Gd-Ba-Cu-O Bulk Superconductors Evaluated by Different Hall Probe Scanning Methods. IEEE Transactions on Applied Superconductivity, 2005, 15, 3640-3643.	1.1	7
169	Magnetic field distributions of stacked large single domain Gdâ€“Baâ€“Cuâ€“O bulk superconductors exceeding 140mm in diameter. Physica C: Superconductivity and Its Applications, 2007, 463-465, 348-352.	0.6	7
170	Current progress in ternary LREBa2Cu3O materials and their application. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 90-94.	1.7	7
171	Investigation of Three-Dimensional Current Distribution at Silver Diffusion Joint of RE-123 Coated Conductors Based on Magnetic Microscopy Combined With Finite Element Method. IEEE Transactions on Applied Superconductivity, 2011, 21, 3403-3407.	1.1	7
172	Study on Magnetic Flux Dissipation and Field-Trapping Performance of HTS Bulk-Shaped Magnesium Diboride in Pulse-Field Magnetizing Processes. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.1	7
173	Melt Processing of Bulk YBaCuO Superconductors With High Jc. Journal of Engineering Materials and Technology, Transactions of the ASME, 1992, 114, 189-195.	0.8	6
174	Melt processing of La-Ba-Cu-O superconductors with high Tc. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 109-114.	1.7	6
175	Magnetic and magneto-optic characterization of the ternary compounds and. Superconductor Science and Technology, 1998, 11, 1283-1291.	1.8	6
176	Matrix chemical ratio and its optimization for highest flux pinning in ternary (Nd$ndash$Eu$ndash$Gd)Ba2Cu3Oy. Superconductor Science and Technology, 2002, 15, 688-693.	1.8	6
177	Trapped-field of RE-123 (RE=Gd,Dy) bulk superconducting magnets. AIP Conference Proceedings, 2002, , .	0.3	6
178	Effect of Silver Addition on the Mechanical and Field Trapping Properties of Gd-Ba-Cu-O Bulk Superconductors. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 309-314.	0.2	6
179	Mechanical properties of Yâ€“Baâ€“Cuâ€“O blocks welded by Erâ€“Baâ€“Cuâ€“O solder. Physica C: Superconductivity and Its Applications, 2003, 392-396, 673-676.	0.6	6
180	High-<tex>$rm T_rm c$</tex>Superconducting Magnets That Function at Liquid Oxygen Temperature. IEEE Transactions on Applied Superconductivity, 2004, 14, 1206-1209.	1.1	6

#	Article	IF	Citations
181	ZnO doping effects in melt-textured (Nd0.33Eu0.39Gd0.27)Ba2Cu3Oygrown from MgO seed. Superconductor Science and Technology, 2006, 19, L25-L28.	1.8	6
182	RE-Ba2Cu3Oy formation mechanism via (RE)2BaO4. Physica C: Superconductivity and Its Applications, 2006, 445-448, 282-285.	0.6	6
183	Fabrication and superconducting properties of Gdâ€“Baâ€“Cuâ€“O single-grain bulk with barium cerate addition. Physica C: Superconductivity and Its Applications, 2006, 445-448, 291-294.	0.6	6
184	Transmission electron microscopy of air-processed Gd123 superconductors with the addition of Gd2Ba4MCuOx(M = Mo, Zr). Superconductor Science and Technology, 2006, 19, 1285-1290.	1.8	6
185	Measurements of the levitation forces for a bulk Gdâ€“Baâ€“Cuâ€“O superconductor in high magnetic fields. Physica C: Superconductivity and Its Applications, 2007, 463-465, 383-386.	0.6	6
186	Pinning behavior in bulk MgB2 prepared using boron powder refined via high-energy ultra-sonication. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1297-1301.	0.8	6
187	Complex pulse magnetization process and mechanical properties of spark plasma sintered bulk MgB2. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115390.	1.7	6
188	Superconducting Properties of Ho-Ba-Cu-O and Er-Ba-Cu-O Bulk Superconductors.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 652-658.	0.1	6
189	Observation of flux distribution on the surface of MPMG-processed YBCO. IEEE Transactions on Applied Superconductivity, 1995, 5, 1818-1821.	1.1	5
190	Refinement of Nd-422 Phase Trapped in a Nd1+Î´Ba2â^'Î´Cu3O7â^'y Superconducting Matrix. Journal of Materials Research, 1997, 12, 1990-2001.	1.2	5
191	Comparative study of magnetic properties between melt-textured and single crystalline Yâ€“Baâ€“Cuâ€“O. Physica C: Superconductivity and Its Applications, 1998, 296, 43-48.	0.6	5
192	Subgrains in large-grain RE123 bulk superconductors. Superconductor Science and Technology, 2002, 15, 791-795.	1.8	5
193	Melt processing of single domain (Sm[sub 0.5]Eu[sub 0.5])Ba[sub 2]Cu[sub 3]O[sub 7â^'Î´] superconductors with high performance in air. AIP Conference Proceedings, 2002, , .	0.3	5
194	Fabrication and characterization of LRE1+xBa2â^'xCu3Oy (LRE: Nd, Eu, Gd, NEG) superconductors: a low oxygen partial pressure. Physica C: Superconductivity and Its Applications, 2002, 378-381, 646-650.	0.6	5
195	Effect of cooling rate on the trapped-fields of Ndâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 651-656.	0.6	5
196	Pinning properties of Gdâ€“Baâ€“Cuâ€“O bulk superconductor fabricated by cold seeding method. Physica C: Superconductivity and Its Applications, 2003, 388-389, 407-408.	0.6	5
197	Welding of different Yâ€“Baâ€“Cuâ€“O blocks. Physica C: Superconductivity and Its Applications, 2003, 392-396, 437-440.	0.6	5
198	Fabrication of large-grain bulk superconductors in microgravity environment. Acta Astronautica, 2003, 53, 35-43.	1.7	5

#	Article	IF	Citations
199	Microstructure and flux pinning of OCMG processed (Sm0.33Eu0.33Gd0.33)Ba2Cu3Oy with sub-micron Gd2BaCuO5 second phase particles. Physica C: Superconductivity and Its Applications, 2003, 392-396, 619-622.	0.6	5
200	Superconducting properties and microstructures of ErÂBaÂCuÂO superconductor. Superconductor Science and Technology, 2003, 16, 699-706.	1.8	5
201	The development of melt-processed (Sm,Eu,Gd)Ba2Cu3O7â˜Î´ single-domain superconductors for high field applications. Superconductor Science and Technology, 2005, 18, S52-S57.	1.8	5
202	Contact resistance characteristics of high temperature superconducting bulk- part IV. , 0, , .		5
203	Contact Resistance Characteristics of High Temperature Superconducting Bulk - Part V. , 2006, , .		5
204	Effect of metal impregnation in the field cool magnetization of bulk superconductor. Physica C: Superconductivity and Its Applications, 2006, 445-448, 375-378.	0.6	5
205	Evaluation of fatigue properties of bulk ring superconductors for synchrotron radiation sources. Physica C: Superconductivity and Its Applications, 2007, 463-465, 1333-1337.	0.6	5
206	Single domain YBCO/Ag bulk superconductors fabricated by seeded infiltration and growth. Journal of Physics: Conference Series, 2008, 97, 012105.	0.3	5
207	Improvement of Delamination Strength of REBCO Coated Conductors. Physics Procedia, 2014, 58, 150-153.	1.2	5
208	Novel ultra-sonic boron refinement in distilled water for cost-efficient fabrication of MgB2 bulk ceramic superconductors. Ceramics International, 2022, 48, 28102-28111.	2.3	5
209	Flux pinning in melt grown LRE123 superconductors. Journal of Low Temperature Physics, 1996, 105, 1751-1760.	0.6	4
210	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 939-943.	0.6	4
211	Structure and formation mechanism of subgrains in large single-grain REâ€“Baâ€“Cuâ€“O (RE=Y, Sm, Nd) bulk superconductors. Physica C: Superconductivity and Its Applications, 2001, 357-360, 685-689.	0.6	4
212	Microstructure of (Nd, Eu, Gd)-123 matrix with (Nd, Eu, Gd)-211 inclusions. Journal of Materials Research, 2001, 16, 407-412.	1.2	4
213	Effect of Ag addition on cold-seeded melt-growth of Gdâ€“Baâ€“Cuâ€“O superconductor using Nd123 seed crystal. Physica C: Superconductivity and Its Applications, 2003, 392-396, 468-472.	0.6	4
214	The modulation of the peak effect in melt-processed (Sm-Eu)123 superconductors with compositional fluctuations. IEEE Transactions on Applied Superconductivity, 2003, 13, 3755-3758.	1.1	4
215	E-J characteristics and n value of melt-textured REBa/sub 2/Cu/sub 3/O/sub x/ (RE: Nd, Y). IEEE Transactions on Applied Superconductivity, 2003, 13, 3109-3112.	1.1	4
216	Numerical simulation of a bulk superconductor during pulsed field magnetization. Physica C: Superconductivity and Its Applications, 2004, 412-414, 695-698.	0.6	4

#	Article	IF	Citations
217	Nanostripes in SmBa2Cu3O7â˜Î´ single crystals: Origin and peak effect. Physica C: Superconductivity and Its Applications, 2005, 426-431, 441-445.	0.6	4
218	Three-dimensional field measurements of levitated HTS and the modeling of the shielding current. Physica C: Superconductivity and Its Applications, 2005, 426-431, 731-738.	0.6	4
219	Analysis of mixed ternary LREBa2Cu3Oy nano-structures by STM and TEM. Physica C: Superconductivity and Its Applications, 2005, 426-431, 196-201.	0.6	4
220	Tensile testing method for rare earth based bulk superconductors at liquid nitrogen temperature. Physica C: Superconductivity and Its Applications, 2005, 426-431, 639-643.	0.6	4
221	Measurements of three-dimensional fields of bulk superconductors in varying external fields. Superconductor Science and Technology, 2005, 18, S67-S71.	1.8	4
222	Effect of potassium addition on YBa2Cu3Ox superconductors. Physica C: Superconductivity and Its Applications, 2006, 445-448, 128-132.	0.6	4
223	Improvement of the field-trapping capabilities of bulk Ndâ€“Baâ€“Cuâ€“O superconductors using Baâ€“Cuâ€“O substrates. Superconductor Science and Technology, 2006, 19, S601-S606.	1.8	4
224	Contact characteristics of mechanically mated Yâ€“Baâ€“Cuâ€“O bulks with a deposited metal layer. Superconductor Science and Technology, 2006, 19, S607-S611.	1.8	4
225	Enhanced flux pinning in GdBaCuO bulk superconductors by Zr dopants. Physica C: Superconductivity and Its Applications, 2007, 463-465, 367-370.	0.6	4
226	Enhanced Superconducting Properties of Air-Processed GdBa2Cu3O7-Î´ Single Domains with BaCO3/BaCuO2â˜x Addition. Journal of Superconductivity and Novel Magnetism, 2007, 20, 309-314.	0.8	4
227	Fabrication of large Eu-Ba-Cu-O bulk superconductors for compact NMR magnet. Journal of Physics: Conference Series, 2008, 97, 012238.	0.3	4
228	Materials processing, pulsed field magnetization and field-pole application to propulsion motors on Gd123 bulk superconductors. Journal of Physics: Conference Series, 2008, 97, 012299.	0.3	4
229	(Gd,Y,Er)Ba2Cu3Oy bulk superconducting system processed via infiltration growth. Journal of Alloys and Compounds, 2021, 881, 160535.	2.8	4
230	Top-seeded infiltration growth processing of single grain (Gd, Dy)BaCuO superconductors: Nano Nb2O5 doping, enhancement of trapped field and superconducting performance. Materials Chemistry and Physics, 2021, 272, 124954.	2.0	4
231	Seeded Melt Growth of Large LRE-Ba-Cu-O Bulk Superconductors. , 1998, , 697-700.		4
232	Preferential Formation of High T c Phase in Nd-Ba-Cu-O Superconductors Melt-Processed in Reduced Oxygen Atmospheres. , 1995, , 705-708.		4
233	Effect of Dy₂BaCuO₅ Addition on Trapped Magnetic Fields in Dy-Ba-Cu-O Bulk Superconductors. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 315-319.	0.2	4
234	Correlation of magnetic and magneto-optical properties with microstructure analysis in melt-textured (Nd0.33Sm0.33Gd0.33)Ba2Cu3Oy. Physica C: Superconductivity and Its Applications, 1999, 319, 169-180.	0.6	3

#	Article	IF	Citations
235	Single-domain NEG bulk superconductors for high magnetic field applications. Physica C: Superconductivity and Its Applications, 2001, 357-360, 661-664.	0.6	3
236	Fabrication of melt-processed RE-Ba-Cu-O bulk superconductors with high densities. IEEE Transactions on Applied Superconductivity, 2001, 11, 3509-3512.	1.1	3
237	Eâ€"J characteristics of melt-textured RE123 (RE: Nd, Y) superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 503-507.	0.6	3
238	Effect of the surface orientation on the microstructure of bulk Yâ€"Baâ€"Cuâ€"O joint. Physica C: Superconductivity and Its Applications, 2002, 378-381, 641-645.	0.6	3
239	Pulsed field magnetization of large-grain Gdâ€"Baâ€"Cuâ€"O bulk superconductor. Physica C: Superconductivity and Its Applications, 2003, 392-396, 585-588.	0.6	3
240	Spatial variation of superconducting properties and compositional fluctuation in large melt-processed (Smâ€"Eu)123 single domains. Physica C: Superconductivity and Its Applications, 2003, 392-396, 571-574.	0.6	3
241	Superconductors for high-field use at 77 K. Physica C: Superconductivity and Its Applications, 2003, 392-396, 567-570.	0.6	3
242	Contact resistance characteristics of high temperature superconducting bulk-III. , 0, , .		3
243	Mechanical properties of Yâ€"Baâ€"Cuâ€"O blocks welded by silver added Yâ€"Baâ€"Cuâ€"O solder. Physica C: Superconductivity and Its Applications, 2004, 412-414, 678-682.	0.6	3
244	Peak effect with tilted fields in melt-processed (Sm, Eu, Gd)Ba2Cu3O7ÂÂsuperconductors. Superconductor Science and Technology, 2004, 17, S56-S60.	1.8	3
245	Development of technology for a reliable fabrication of LRE-123 materials for levitation applications above 80K. Physica C: Superconductivity and Its Applications, 2005, 426-431, 777-782.	0.6	3
246	Near net shape processing of REâ€"Baâ€"Cuâ€"O bulk superconductor by machining binder-added precursors. Physica C: Superconductivity and Its Applications, 2005, 426-431, 527-531.	0.6	3
247	Effect of Yâ€"Baâ€"Cuâ€"Oâ€"M (M=Zr, Sn and Ce) addition on the superconducting properties of melt-textured Y123 bulk. Physica C: Superconductivity and Its Applications, 2005, 426-431, 537-542.	0.6	3
248	Superconducting levitation at 90 Kâ€"a base for construction of non-contact liquid oxygen pumps. Superconductor Science and Technology, 2005, 18, S47-S51.	1.8	3
249	Superior growth orientation control via ZnO doping of large-grain LRE-Ba2Cu3Oycompounds grown with MgO seeds. Superconductor Science and Technology, 2006, 19, S550-S555.	1.8	3
250	Role of ZrO₂/SnO₂ Nano-Particles on Superconducting Properties and Microstructure of Melt-Processed Gd123 Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 2980-2983.	1.1	3
251	Phase stability of MgO-doped Ndâ€"Baâ€"Cuâ€"O seed crystals for cold-seeded, OCMG processing. Physica C: Superconductivity and Its Applications, 2007, 463-465, 340-343.	0.6	3
252	Formation of defects in precursors for melt-textured REâ€"Baâ€"Cuâ€"O superconductors and effect of organic binder addition. Physica C: Superconductivity and Its Applications, 2007, 463-465, 308-313.	0.6	3

#	Article	IF	Citations
253	Study of HTS Bulk Current Lead With Metal Alloy Impregnation Under Vacuum. IEEE Transactions on Applied Superconductivity, 2009, 19, 2214-2217.	1.1	3
254	Solid Phase (RE2BaO4)â^'Liquid Phase (BaCuO2) Reaction: The Way to Highly Oriented ErBa2Cu3Oy Superconducting Thick Films on Commercial Silver Substrates. Crystal Growth and Design, 2009, 9, 2404-2408.	1.4	3
255	Recent progress in production of infiltration-growth and melt-growth processed bulk (RE)Ba2Cu3Oy. Superconductor Science and Technology, 2020, 33, 074002.	1.8	3
256	The Critical Current Density in Nd-Ba-Cu-O Bulk Superconductors with Different Amounts of Nd422 Second Phase. , 1997, , 717-720.		3
257	Anisotropy in Knoop Hardness of MPMG-Processed YBCO Bulk Superconductor. , 1997, , 729-732.		3
258	Superconducting and Magnetic Properties of Quasi-Ternary Rare-Earthâ€™s RE-Ba-Cu-O (123) Composites Prepared by the Oxygen-Controlled-Melt-Growth (OCMG) Process. , 1997, , 785-788.		3
259	Recent Research and Development on Bulk Superconducting Materials.. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	3
260	Effect of Processing Conditions on the Melt Processed La123 Superconductor. , 1997, , 709-712.		3
261	Grain growth and seeding of thick films of YBa2Cu3O7â^Î´ on yttria stabilised zirconia. Physica C: Superconductivity and Its Applications, 1995, 243, 342-352.	0.6	2
262	Structure and formation mechanism of subgrains in melt-processed REBa2Cu3Oy (RE = Y, Nd, Sm) bulk superconductors. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2429-2430.	0.6	2
263	Influence of initial composition on the flux pinning of melt-processed (SmxEu1â^'x)Ba2Cu3O7â^Î´. Physica C: Superconductivity and Its Applications, 2002, 378-381, 692-696.	0.6	2
264	The crystallization in the welding region for Yâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2003, 386, 495-499.	0.6	2
265	Optimization of ternary LREâ€“Baâ€“Cuâ€“O materials for use at liquid oxygen temperature. Physica C: Superconductivity and Its Applications, 2004, 412-414, 575-579.	0.6	2
266	Design of microstructure in melt-textured bulk superconductors with the employment of granules containing ultra-fine Y2BaCuO5 particles. Physica C: Superconductivity and Its Applications, 2005, 426-431, 532-536.	0.6	2
267	Rotation loss reduction of superconducting magnetic bearings by stacking and rearranging the shape of the bulks. Physica C: Superconductivity and Its Applications, 2005, 426-431, 821-825.	0.6	2
268	Fabrication of Gdâ€“Baâ€“Cuâ€“O bulk superconductors with a cold seeding method. Physica C: Superconductivity and Its Applications, 2005, 426-431, 543-549.	0.6	2
269	Improvement of Thermal Stability with Alloy Impregnation in Gd-Ba-Cu-O Superconductors for Pulsed Field Magnetization. Journal of Physics: Conference Series, 2006, 43, 389-392.	0.3	2
270	Characteristics of metal impregnated bulk Gdâ€“Baâ€“Cuâ€“O superconductors cooled down in a magnetic field. Superconductor Science and Technology, 2006, 19, S491-S493.	1.8	2

#	Article	IF	Citations
271	Magnetic Flux Trapping and Flux Jumps in Pulsed Field Magnetizing Processes in REBCO and Mg-B Bulk Magnets. Journal of Physics: Conference Series, 2020, 1590, 012025.	0.3	2
272	NdBa2Cu3Oy Single Crystals Fabricated by Flux Method in Low Oxygen Partial Pressures. , 1996, , 719-722.		2
273	Effect of Pt-doping on the RE2O3(RE=Nd,Sm)-BaCuO2-CuO system during melt processing. , 1995, , 713-716.		2
274	Basic Study on a Magnetically Levitated Conveyor Based on Guiding by Partial Magnetization of a High-Tc Superconductor. IEEJ Transactions on Sensors and Micromachines, 2006, 126, 248-254.	0.0	2
275	Properties and Applications of Bulk High Temperature Superconductors. Phase Diagram of Nd-Ba-Cu-O System in a Reduced Oxygen Atmosphere Studied by Laser Scanning Microscopy.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 1999, 34, 577-583.	0.1	2
276	Properties and Applications of Bulk High Temperature Superconductors. Microstructure and Superconducting Properties of Bulk Superconductors Prepared from Sm123-RE211(RE=Y, Gd and Sm) and Sm123-Nd422 Precursors.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	2
277	Fabrication and Superconducting Properties of YBa2Cu3O7-.DELTA.Bulk Materials with Barium Cerate as Pinning Centers. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2005, 40, 238-242.	0.1	2
278	Defects in Green Bodies during Powder Compression Process for Fabrication of Bulk Superconductors. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2007, 42, 18-23.	0.1	2
279	Modelling of the pulsed field magnetisation of a REBaCuO bulk with a superconducting weld. Journal of Physics: Conference Series, 2021, 2043, 012001.	0.3	2
280	Strong Flux Pinning In Melt-Grown RE123 (RE: Sm, Eu, Gd) Superconductors. , 1995, , 15-18.		2
281	Melt Growth of RE123 at Low Oxygen Partial Pressures. , 1997, , 713-716.		2
282	NMR Relaxometry Using Outer Field of Single-Sided HTS Bulk Magnet Activated by Pulsed Field. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.1	2
283	Melt Growth and Properties of Ag-Doped Nd-Ba-Cu-O. , 1996, , 739-742.		1
284	Pseudo-binary phase diagram along NdBa2Cu3Oy-Ba3Cu5OzunderpO2of 0.01 atm. Superconductor Science and Technology, 2000, 13, 1322-1326.	1.8	1
285	High flux pinning in ternary (Ndâ€“Euâ€“Gd)Ba2Cu3Oy superconductors at 77 K. Physica C: Superconductivity and Its Applications, 2002, 378-381, 750-754.	0.6	1
286	Recent progress in melt-processed (Ndâ€“Smâ€“Gd)Ba2Cu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2003, 392-396, 473-478.	0.6	1
287	Operation result of superconductive material fabrication experiments in the users space. Acta Astronautica, 2004, 55, 181-188.	1.7	1
288	Angular dependence of the peak effect and out-of-plane modulated compositional order in melt-processed (Sm,Eu,Gd)Ba2Cu3O7âˆ’Î´ superconductors. Superconductor Science and Technology, 2005, 18, S131-S135.	1.8	1

#	Article	IF	Citations
289	ORIGIN OF ORDERING OSCILLATION OF LOCAL COMPOSITION IN MELT-PROCESSED REBa2Cu3O7-Î´ SUPERCONDUCTORS (RE: Sm, Eu, Gd). International Journal of Modern Physics B, 2005, 19, 159-161.	1.0	1
290	Flux pinning and orientation control of large grain LREBa2Cu3Oy. Journal of Physics: Conference Series, 2006, 43, 417-420.	0.3	1
291	High performance of air-processed GdBa2Cu3O7-Î´superconductors with fined Gd2BaCuO5and Gd2Ba4CuMoOxadditions. Journal of Physics: Conference Series, 2006, 43, 454-457.	0.3	1
292	Deformation analysis of electrical contact using YBaCuO bulk superconductors. Physica C: Superconductivity and Its Applications, 2006, 445-448, 1123-1126.	0.6	1
293	Flux pinning and superconducting properties of ZnO added (Nd,Eu,Gd)Ba2Cu3Oy. Physica C: Superconductivity and Its Applications, 2006, 445-448, 403-407.	0.6	1
294	Electrical contact characteristics of YBaCuO bulk. Physica C: Superconductivity and Its Applications, 2007, 463-465, 1361-1364.	0.6	1
295	Potentials of RE-Ba2Cu3Oy in the silver base technology. Physica C: Superconductivity and Its Applications, 2007, 463-465, 314-319.	0.6	1
296	Quenching characteristics of electrical contacts using YBaCuO bulk superconductor. Physica C: Superconductivity and Its Applications, 2008, 468, 1465-1468.	0.6	1
297	New method of synthesis and physical properties of thick superconducting Er-123 films. Physica C: Superconductivity and Its Applications, 2008, 468, 1345-1349.	0.6	1
298	Homogenizing field-trapping capabilities of bulk Yâ€“Baâ€“Cuâ€“O superconductors fabricated using Baâ€“Cuâ€“O oxide substrates for practical applications. Superconductor Science and Technology, 2008, 21, 045012.	1.8	1
299	Homogenizing field-trapping capabilities of bulk Y-Ba-Cu-O superconductors using Ba-Cu-O oxide substrate for practical applications. Journal of Physics: Conference Series, 2008, 97, 012001.	0.3	1
300	Occurrence of Flux Jumps in MgB₂ Bulk Magnets during Pulse-Field Magnetization. Journal of Physics: Conference Series, 2020, 1559, 012024.	0.3	1
301	Grain Enlargement in OCMG-Processed RE-Ba-Cu-O Superconductors and their Properties. , 1996, , 735-738.		1
302	Superconducting Properties of Melt-grown Binary Mixed (SmxGd1-x)-Ba-Cu-O Superconductors. , 1998, , 733-736.		1
303	Properties and Applications of Bulk High Temperature Superconductors. Project of RE123 Bulk Superconductors Fabrication in a Microgravity Environment.. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Over		
304	Welding of Y-Ba-Cu-O Bulk Superconductors Using Superconducting Er-Ba-Cu-O Solder.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 637-644.	0.1	1
305	Preparation of Highly Oriented Y123 Superconductor with Silver Doping. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 920-924.	0.2	1
306	Mechanical Properties of OCMG-Processed Nd-Ba-Cu-O Superconductors. , 1996, , 723-726.		1

#	Article	IF	Citations
307	Progress in Rï¼†D of coated conductor in M-PACC project. Progress in Superconductivity and Cryogenics (PSAC), 2014, 16, 1-6.	0.3	1
308	Recent Progress on the Development of High Temperature Superconducting Bulk Materials. IEEJ Transactions on Power and Energy, 2020, 140, 141-147.	0.1	1
309	Fabrication of Large Melt-textured RE-Ba-Cu-O (RE = Gd, Dy) Superconductors and Their Trapped Magnetic Fields. Materials Research Society Symposia Proceedings, 2000, 659, 1.	0.1	0
310	High-temperature in situ observation of Ndâ€“Smâ€“Baâ€“Cuâ€“O system by laser-scanning microscopy. Physica C: Superconductivity and Its Applications, 2001, 357-360, 702-705.	0.6	0
311	Subgrain structures and their effects on superconducting properties in large-grain RE123 superconductors. AIP Conference Proceedings, 2002, , .	0.3	0
312	Subgrain Structures in RE123 Bulk Superconductors. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 302-308.	0.2	0
313	Scanning tunneling microscopy studies of high Jc NEG123 crystals. Physica C: Superconductivity and Its Applications, 2003, 388-389, 297-298.	0.6	0
314	Thermal conductivity of superconducting joint of Yâ€“Baâ€“Cuâ€“O bulk materials. Physica C: Superconductivity and Its Applications, 2003, 392-396, 669-672.	0.6	0
315	Flux motion in Yâ€“Baâ€“Cuâ€“O bulk superconductors during pulse field magnetization. Superconductor Science and Technology, 2004, 17, S74-S78.	1.8	0
316	Processing of high-performance (Sm,Eu,Gd)Ba2Cu3O7â^Î´ bulk superconductors with BaO2 addition. Physica C: Superconductivity and Its Applications, 2004, 412-414, 571-574.	0.6	0
317	Magnetization measurement of (Nd, Eu, Gd)Ba2Cu3Oy having very high irreversibility fields in pulsed high magnetic fields. Physica C: Superconductivity and Its Applications, 2004, 412-414, 699-703.	0.6	0
318	Critical Current Density and Trapped Field Properties of Ho-Ba-Cu-O Bulk Superconductors. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 693-697.	0.2	0
319	Electrical contact characteristics of mechanically mated Yâ€“Baâ€“Cuâ€“O bulks with deposited metal layer. Physica C: Superconductivity and Its Applications, 2005, 426-431, 815-820.	0.6	0
320	Evaluation of magnetic homogeneities of Gdâ€“Baâ€“Cuâ€“O bulk superconductors by different Hall probe scanning methods. Physica C: Superconductivity and Its Applications, 2005, 426-431, 632-638.	0.6	0
321	The Force Relaxation in Levitating High Tc Superconductor. AIP Conference Proceedings, 2006, , .	0.3	0
322	Microstructure and Superconducting Properties of Melt-Processed Bulk Gd123 Single Domain with Gd2Ba4CuMOx (M=Mo and Zr) Additions. AIP Conference Proceedings, 2006, , .	0.3	0
323	Microstructure and superconducting properties of meltprocessed RE-Ba-Cu-O with dispersed barium cerate particles. Journal of Physics: Conference Series, 2006, 43, 373-376.	0.3	0
324	Status of R&Ds for Undulators with Bulk High Temperature Superconductors. AIP Conference Proceedings, 2007, , .	0.3	0

#	Article	IF	Citations
325	A Study on Quenching Characteristics of YBaCuO Bulk Superconductor with Deposited Ag Layer. , 2007, , .		0
326	An effect of interface condition on electrical contact characteristics using Yâ€“Baâ€“Cuâ€“O bulk superconductor. Physica C: Superconductivity and Its Applications, 2007, 463-465, 415-419.	0.6	0
327	Quenching Characteristics of YBCO Bulk Contacts. , 2008, , .		0
328	Thick REBaCuO films for power applications planted on silver tapes. Journal of Physics: Conference Series, 2008, 97, 012145.	0.3	0
329	Shielding Effect on Flux Trapping in Pulsed-Field Magnetizing for Mg-B Bulk Magnet. Journal of Physics: Conference Series, 2021, 1975, 012019.	0.3	0
330	Melt growth of Ag doped Gd-Ba-Cu-O bulk superconductors by using Nd-Ba-Cu-O seed crystal. , 2000, , 461-463.		0
331	Microstructure and Superconducting Properties of Bulk Superconductors Prepared from Sm123-RE211 (RE = Y, Gd and Sm) and Sm123-Nd422 Precursors. , 2000, , 485-487.		0
332	Superconducting Joint of Y-Ba-Cu-O Using Various Superconducting Solders. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2002, 66, 260-266.	0.2	0
333	Improvement of Field-trapping Capability of High-Tc Bulk Superconductors using a Ba-Cu-O Substrate. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2006, 41, 170-175.	0.1	0
334	Superconductivity in Pb-Based â€œ1222â€•Copper Oxides. , 1992, , 217-220.		0
335	Formation Study of Gd123 Under Various Oxygen Partial Pressures. , 1996, , 715-718.		0
336	Melt Processing of LRE-Ba-Cu-O Superconductors. , 1997, , 663-668.		0
337	Melt Processing for Sm 123 Bulk Superconductors. , 1997, , 773-776.		0
338	The Characteristics and Microstructure of Nd-Ba-Cu-O Superconductor Annealed at High Temperatures. , 1998, , 433-436.		0
339	Magnetic Relaxation Properties in Ocmg Processed Nd-Ba-Cu-O Bulk Superconductors. , 1999, , 303-306.		0
340	Superconductivity of the Nd1+xBa2-xCu3Oy solid solutions. , 1999, , 677-680.		0
341	Field-Trapping Performance of Drilled MgB₂ Bulk Superconductor Embedded With Bi-In-Sn Alloy and Al-Rod Using Pulse-Field Magnetization Processes. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	0