

Naomichi Sakai

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340
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348
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L-index

#	Paper	IF	Citations
340	Melt processing for obtaining NdBa ₂ Cu ₃ O _y superconductors with high T _c and large J _c . <i>Applied Physics Letters</i> , 1994 , 65, 633-635	3.4	587
339	Melt-processed light rare earth element - Ba - Cu - O. <i>Superconductor Science and Technology</i> , 1996 , 9, 1015-1032	3.1	540
338	Flux Pinning in Melt-Grown $\text{NdBa}_2\text{Cu}_3\text{O}_y$ and $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Superconductors. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, L715-L717	1.4	410
337	Enhanced T _c and Strong Flux Pinning in Melt-Processed $\text{NdBa}_2\text{Cu}_3\text{O}_y$ Superconductors. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, L1000-L1003	1.4	169
336	New type of vortex pinning structure effective at very high magnetic fields. <i>Physical Review Letters</i> , 2002 , 89, 237001	7.4	164
335	Melt-processed GdBaCuD superconductor with trapped field of 3 T at 77 K. <i>Superconductor Science and Technology</i> , 2005 , 18, S126-S130	3.1	148
334	Influence of the size of Gd ₂ 11 starting powder on the critical current density of Gd-Ba-Cu-O bulk superconductor. <i>Superconductor Science and Technology</i> , 2000 , 13, 778-784	3.1	93
333	A new type of pinning center in melt grown Nd ₁₂₃ and Sm ₁₂₃ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2781-2782	1.3	91
332	High critical current density in YBaCuD bulk superconductors with very fine Y ₂ 11 particles. <i>Superconductor Science and Technology</i> , 2004 , 17, S30-S35	3.1	65
331	Processing of high-performance GdBaCuD bulk superconductor with Ag addition. <i>Superconductor Science and Technology</i> , 2002 , 15, 648-652	3.1	62
330	High critical current density in REBaCuD bulk superconductors with very fine RE ₂ BaCuO ₅ particles. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 412-414, 557-565	1.3	60
329	Optimization of matrix chemical ratio for high flux pinning in ternary (NdEuD)Ba ₂ Cu ₃ O _y . <i>Applied Physics Letters</i> , 2001 , 79, 3107-3109	3.4	59
328	Magnetization properties for GdBaCuD bulk superconductors with a couple of pulsed-field vortex-type coils. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 412-414, 638-645	1.3	57
327	Mechanical properties of Sm-Ba-Cu-O/Ag bulk superconductors. <i>Superconductor Science and Technology</i> , 2000 , 13, 770-773	3.1	57
326	Microstructures and superconducting properties of melt-processed (RE,RE?)BaCuO. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 288, 141-147	1.3	53
325	Mechanical properties of REBaCuD bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 335, 107-111	1.3	52
324	Record flux pinning in melt-textured NEG-123 doped by Mo and Nb nanoparticles. <i>Applied Physics Letters</i> , 2008 , 92, 162512	3.4	51

323	Diffusion joint of YBCO coated conductors using stabilizing silver layers. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 445-448, 686-688	1.3	51
322	A single-electron device and circuit simulator. <i>Superlattices and Microstructures</i> , 1997 , 21, 37-42	2.8	49
321	Growth of single-domain (Sm _{0.5} Eu _{0.5})Ba ₂ Cu ₃ O _{7-x} with high T _c and J _c by employing a thermal gradient. <i>Applied Physics Letters</i> , 2001 , 78, 2539-2541	3.4	47
320	. <i>IEEE Transactions on Applied Superconductivity</i> , 1995 , 5, 1568-1571	1.8	47
319	Direct observation and analysis of nanoscale precipitates in (Sm,Eu,Gd)Ba ₂ Cu ₃ O _y . <i>Applied Physics Letters</i> , 2004 , 85, 3504-3506	3.4	45
318	Direct measurements of mechanical properties for large-grain bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 340, 41-50	1.3	45
317	Monomorph Actuators Using Semiconductive Ferroelectrics. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, 1046-1049	1.4	45
316	Preparation and properties of OCMG-processed GdBaCu bulk superconductors with very fine Gd ₂ 11 particles. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 811-813	1.3	42
315	Flux pinning properties in a GdBa ₂ Cu ₃ O _{7-x} bulk superconductor with the addition of magnetic alloy particles. <i>Superconductor Science and Technology</i> , 2009 , 22, 095009	3.1	41
314	Development of GdBaCu bulk magnets with very high trapped magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 631-635	1.3	41
313	Vortex pinning by mesoscopic defects: A way to levitation at liquid oxygen temperature. <i>Applied Physics Letters</i> , 2003 , 83, 5005-5007	3.4	41
312	Fabrication of large melt-textured Gd ₂ Ba ₂ Cu ₂ O superconductor with Ag addition. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 2409-2412	1.3	41
311	Effect of BaO ₂ and fine Gd ₂ BaCuO _{7-x} addition on the superconducting properties of air-processed GdBa ₂ Cu ₃ O _{7-x} . <i>Superconductor Science and Technology</i> , 2005 , 18, 229-233	3.1	40
310	Vickers hardness properties of YBCO bulk superconductor at cryogenic temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 796-798	1.3	39
309	Pinning characteristics in chemically modified (Nd, Eu, Gd)BaCu superconductors. <i>Applied Physics Letters</i> , 2003 , 82, 943-945	3.4	38
308	Processing of GdBa ₂ Cu ₃ O _{7-x} bulk superconductor and its trapped magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 629-634	1.3	36
307	Progress in melt-processed (Nd _{1-x} Sm _x Gd)Ba ₂ Cu ₃ O _y superconductors. <i>Superconductor Science and Technology</i> , 2003 , 16, R1-R16	3.1	35
306	Superconducting magnetic bearing for a flywheel energy storage system using superconducting coils and bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 1244-1249	1.3	34

- 305 Joining Y123 bulk superconductors using Yb–Ba–Cu–O and Er–Ba–Cu–O solders. *Superconductor Science and Technology*, **2002**, 15, 712-716 3.1 33
- 304 Control of Y2BaCuO5 size and morphology in melt-processed YBa2Cu3O7_x superconductor. *Journal of Materials Research*, **1995**, 10, 1611-1621 2.5 33
- 303 Effect of RE2BaCuO5 refinement on the critical current density and trapped field of melt-textured (Gd, Y)BaCuO₇ bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2006**, 439, 62-66 1.3 32
- 302 Superconducting joint of YBaCuO₇ superconductors using ErBaCuO₇ solder. *Physica C: Superconductivity and Its Applications*, **2002**, 370, 53-58 1.3 32
- 301 . *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 3545-3548 1.8 31
- 300 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 1.3 31
- 299 Modulation of the peak effect in melt-processed (Sm1-xEux)Ba2Cu3O7_x superconductors with compositional fluctuation. *Applied Physics Letters*, **2002**, 81, 4796-4798 3.4 31
- 298 Mechanical properties of bulk superconductors. *Superconductor Science and Technology*, **2000**, 13, 816-819 3.1 31
- 297 Tensile mechanical properties of (Nd,Eu,Gd)BaCuO₇ bulk superconductors at room and liquid nitrogen temperatures. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 794-797 1.3 30
- 296 Superconducting properties of Gd123 superconductor fabricated in air. *Superconductor Science and Technology*, **2000**, 13, 676-678 3.1 30
- 295 Effect of Ag2O addition on the trapped fields and mechanical properties of Nd–Ba–Cu–O bulk superconductors. *Superconductor Science and Technology*, **2002**, 15, 1092-1098 3.1 29
- 294 Delamination behavior of Gd123 coated conductor fabricated by PLD. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 1075-1079 1.3 28
- 293 Effect of ZrO₂ and ZnO nanoparticles inclusions on superconductive properties of the melt-processed GdBa2Cu3O7_x bulk superconductor. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1363-1365 1.3 28
- 292 Levitation of NEG-123 at the temperature of liquid oxygen (90.2 K). *Superconductor Science and Technology*, **2003**, 16, L46-L48 3.1 28
- 291 Mechanical properties of melt-textured GdBaCuO₇ bulk with silver addition. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 779-782 1.3 28
- 290 Critical currents of OCMG processed Nd123 crystals. *Physica C: Superconductivity and Its Applications*, **1996**, 263, 396-400 1.3 28
- 289 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 1.3 27
- 288 Field trapping property of GdBaCuO₇ bulk superconductor 140mm in diameter. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 339-342 1.3 27

287	Effects of Dy ₂ BaCuO ₅ contents on microstructure and mechanical strength of Ag-added DyBaCu bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 412-414, 651-656	1.3	27
286	Synthesis and structural analysis of the superconducting lead cuprates, (Pb, Cu) (Sr, R) ₂ (R ²⁺ , Ce) ₂ Cu ₂ O _z (R, R ²⁺ : rare-earth element). <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 177, 337-344	1.3	26
285	Enhanced flux pinning of air-processed Gd123 by doping ZrO ₂ nanoparticles. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 1341-1342	1.3	25
284	Fracture toughness evaluation of YBCO bulk superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 628-633	1.3	25
283	Melt processing for strong flux pinning in RE-Ba-Cu-O (RE: Nd, Sm, Eu, Gd) superconductors. <i>Journal of Electronic Materials</i> , 1995 , 24, 1923-1930	1.9	25
282	Development of cryogenic permanent undulators operating around liquid nitrogen temperature. <i>New Journal of Physics</i> , 2006 , 8, 287-287	2.9	23
281	Advances in enlargement of melt-textured GdBaCu superconductors. <i>Superconductor Science and Technology</i> , 2006 , 19, S500-S505	3.1	23
280	Low resistance joint of the YBCO coated conductor. <i>Journal of Physics: Conference Series</i> , 2006 , 43, 166-169	3.1	23
279	Microstructures and superconducting properties of single domain (Sm _{0.5} ,Eu _{0.5})Ba ₂ Cu ₃ O _{7-δ} superconductors fabricated in air. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 366, 157-163	1.3	23
278	Effect of Gd ₂ Ba ₄ CuMoO _y addition on the band structure and spatial variation of superconducting properties in GdBa ₂ Cu ₃ O _{7-δ} single domains. <i>Superconductor Science and Technology</i> , 2005 , 18, 1082-1088	3.1	23
277	Subgrain structures in melt-processed REBa ₂ Cu ₃ O _y (RE = Y, Sm) bulk superconductors. <i>Superconductor Science and Technology</i> , 2000 , 13, 688-692	3.1	23
276	Melt-processed LRE-Ba-Cu-O superconductors and prospects for their applications. <i>Journal of Alloys and Compounds</i> , 1997 , 250, 439-448	5.7	22
275	Enhancement of critical current density of DyBaCu bulk superconductor by the refinement of Dy ₂₁₁ particles. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 814-816	1.3	22
274	Superconductivity in (Pb/Cu)-1222 copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 75-80	1.3	22
273	Application of a Compact Cryogen-free Superconducting Bulk Magnet to NMR. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2011 , 46, 139-148	0.1	21
272	Temperature Dependency of Levitation Force and Its Relaxation in HTS. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 3020-3023	1.8	21
271	Recovery of trapped field distribution around a growth sector in a GdBaCu HTS bulk with pulsed-field magnetization. <i>Superconductor Science and Technology</i> , 2006 , 19, S466-S471	3.1	20
270	Proliferation and differentiation of myelodysplastic CD34+ cells in serum-free medium: response to individual colony-stimulating factors. <i>British Journal of Haematology</i> , 1993 , 83, 349-58	4.5	20

- 269 Diffusion joint using silver layer of YBCO coated conductors for applications. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1571-1574 1.3 19
- 268 Single-grain growth, microstructure and superconducting properties of (Sm, Eu)₁₂₃ superconductors with BaCuO₂ addition. *Superconductor Science and Technology*, **2003**, 16, 33-38 3.1 19
- 267 Magnetic properties of melt-processed large single domain GdBaCuO₃ bulk superconductor 140 mm in diameter. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 305-309 1.3 18
- 266 Experiment for growing large GdBaCuO₃Ag bulk superconductor. *Physica C: Superconductivity and Its Applications*, **2005**, 426-431, 515-519 1.3 18
- 265 Refinement of RE₂₁₁ particles in melt-textured RE-Ba-Cu-O bulk superconductors. *Superconductor Science and Technology*, **2002**, 15, 679-682 3.1 18
- 264 Effect of BaO₂ addition on superconducting properties of melt-processed (Sm, Eu, Gd)Ba₂Cu₃O_{7- δ} superconductors. *Superconductor Science and Technology*, **2004**, 17, 545-548 3.1 17
- 263 Formation of pores in melt-processed RE-Ba-Cu-O and the techniques to reduce pore density. *Superconductor Science and Technology*, **2002**, 15, 698-701 3.1 17
- 262 Confirmation of Ba-rich Nd_{1+x}Ba_{2-x}Cu₃O_{7- δ} solid solutions. *Superconductor Science and Technology*, **2000**, 13, 637-640 3.1 17
- 261 Structural properties of (Pb, Cu) (Sr, Nd)₂(Ho, Ce)₂Cu₂O₉. *Physica C: Superconductivity and Its Applications*, **1992**, 193, 73-80 1.3 17
- 260 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 3.1 16
- 259 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 1.3 16
- 258 Mechanical properties of SmBaCuO₃ bulk superconductors at room temperature. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 557-561 1.3 16
- 257 Measurements of the thermal stresses in large-grain YBaCuO₃ superconductors. *Physica C: Superconductivity and Its Applications*, **2001**, 349, 69-74 1.3 16
- 256 Flux pinning in melt processed RE₂Ba₂Cu₃O_{7- δ} . *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 371-374 1.3 15
- 255 Stress-strain characteristics and fracture surface morphology of (Sm, Gd)BaCuO₃ bulk superconductor. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 722-726 1.3 15
- 254 Microstructure and superconducting properties of DyBaCuO₃ bulk superconductors fabricated in different oxygen atmospheres. *Physica C: Superconductivity and Its Applications*, **2005**, 426-431, 660-665 1.3 15
- 253 Studies of the Nd_{1+x}Ba_{2-x}Cu₃O_y solid solutions. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1999**, 65, 11-16 3.1 15
- 252 Progress in melt processing of Nd-Ba-Cu-O superconductors. *IEEE Transactions on Applied Superconductivity*, **1997**, 7, 1781-1786 1.8 14

251	Levitation forces of bulk REBaCuO in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 445-448, 412-416	1.3	14
250	Low temperature mechanical properties of Y123 bulk superconductor fabricated by the modified QMG process. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 412-414, 673-677	1.3	14
249	Solubility and superconductivity of Gd _{1+x} Ba _{2-x} Cu ₃ O _{7-δ} compounds (x=0.1,0,0.05,0.1,0.15 and 0.2). <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 417, 77-84	1.3	14
248	Field trapping and magnetic levitation performances of large single-grain GdBaCuO at different temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 654-659	1.3	14
247	A comparative study of enhanced flux pinning among melt-processed SmBa ₂ Cu ₃ O _{7-δ} (Sm _{0.5} Eu _{0.5})Ba ₂ Cu ₃ O _{7-δ} /EuBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 461-465	1.3	14
246	Cold seeded melt growth of REBaCuO superconductor (RE=Gd, Y). <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 706-708	1.3	14
245	Properties of HTS for successful U/n processing. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1415-1418	1.3	14
244	Large grain growth and superconducting properties of GdBa ₂ Cu ₃ O _{7-δ} fabricated in air with BaCuO _{2-δ} addition. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 386, 275-278	1.3	13
243	Effects of Ag content on the mechanical properties of (Nd,Eu,Gd)BaCuO bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 526-530	1.3	13
242	Tensile strength and fracture surface topography of Sm-Ba-Cu-O bulk superconductors. <i>Superconductor Science and Technology</i> , 2002 , 15, 1099-1104	3.1	13
241	Effects of Pt and CeO ₂ addition on the growth of Nd ₄ Ba ₂ Cu ₂ O ₁₀ particles. <i>Superconductor Science and Technology</i> , 2000 , 13, 660-664	3.1	13
240	Possibility of T _c and J _c enhancement in 10% BaSnO ₃ -doped MPMG-processed YBCO. <i>Superconductor Science and Technology</i> , 1994 , 7, 783-786	3.1	13
239	Development of Single-domain Annular REBCO Bulk Superconductors for Compact Cryogen-free NMR. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2011 , 46, 131-138	0.1	12
238	Mechanical properties of NdBaCuO bulk superconductors. <i>Superconductor Science and Technology</i> , 2003 , 16, 1086-1091	3.1	12
237	Deformation and fracture behavior of Sm123 bulk superconductors by compressive loading at room temperature. <i>IEEE Transactions on Applied Superconductivity</i> , 2004 , 14, 1114-1117	1.8	12
236	Enhanced J _c in air-processed GdBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 613-617	1.3	12
235	Fabrication of large-grain NdBaCuO superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 694-696	1.3	12
234	An evaluation of mechanical properties of YBaCuO and (Sm,Gd)BaCuO bulk superconductors using Vickers hardness test at cryogenic temperatures. <i>IEEE Transactions on Applied Superconductivity</i> , 2002 , 12, 1755-1758	1.8	12

233	Field-Cooled Flux Distributions as Tool to Analyze Pinning Properties. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, L1227-L1230	1.4	12
232	RE-Ba-Cu-O for high functional superconducting permanent magnet. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 53, 203-210	3.1	11
231	Effect of nanoscopic ZrO ₂ particles on flux pinning in (Nd, Eu, Gd)-123/Gd-211 composites. <i>Superconductor Science and Technology</i> , 2004 , 17, 1129-1132	3.1	11
230	Joining of different YBaCuO blocks. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 402, 119-126	1.3	11
229	Effect of silver addition on the field trapping properties of GdBaCuO bulk superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 774-778	1.3	11
228	Superconducting properties of melt-textured REBaCuO (RE: Ho, Er and Y) bulk superconductors with various RE211 contents. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 516-520	1.3	11
227	Nanoscale Gd ₂ BaCuO ₅ particles in (Sm _{0.33} Eu _{0.33} Gd _{0.33})Ba ₂ Cu ₃ O _y and magnetic levitation at 90.2 K. <i>Superconductor Science and Technology</i> , 2005 , 18, L9-L12	3.1	11
226	Barium cerate as effective flux pinning centers in Y123 bulk materials. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 602-607	1.3	11
225	Effect of BaSnO ₃ additions in MPMG-processed YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 233, 155-164	1.3	11
224	Force Density of Magnetic Bearings Using Superconducting Coils and Bulk Superconductors. <i>Quarterly Report of RTRI (Railway Technical Research Institute) (Japan)</i> , 2008 , 49, 127-132	0.3	11
223	Properties and Applications of Bulk High Temperature Superconductors. Melt Processing and Superconducting Properties of Bulk Gd ₁₂₃ Superconductor.. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 1999 , 34, 584-588	0.1	11
222	Levitation forces of bulk superconductors in varying fields. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 579-584	1.3	10
221	Magnetic and microstructure study of bulk (Sm _{0.33} Eu _{0.33} Gd _{0.33})Ba ₂ Cu ₃ O _y with submicron Gd ₂ BaCuO ₅ second-phase particles. <i>Journal of Materials Research</i> , 2003 , 18, 1073-1080	2.5	10
220	Processing of high-performance (Gd, Y)-Ba-Cu-O bulk superconductors with fine RE211 pinning centers. <i>IEEE Transactions on Applied Superconductivity</i> , 2005 , 15, 3110-3113	1.8	10
219	J characteristics of NdBa ₂ Cu ₃ O ₇ bulk superconductor determined with ac susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 531-533	1.3	10
218	Excess of Eu in the (Nd _{0.33} Eu _{0.33} Gd _{0.33})Ba ₂ Cu ₃ O _y system: the way to a high irreversibility field at 77 K. <i>Superconductor Science and Technology</i> , 2002 , 15, 1357-1363	3.1	10
217	Melt processing and enhanced superconducting properties of single domain (Sm _{0.5} Eu _{0.5}) ₁₂₃ superconductors fabricated in air. <i>Superconductor Science and Technology</i> , 2002 , 15, 675-678	3.1	10
216	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. <i>Journal of Physics: Conference Series</i> , 2008 , 97, 012278	0.3	9

215	Optimum processing conditions for the fabrication of large, single grain Ag-doped YBCO bulk superconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 2-6	3.1	9
214	Pulsed field magnetization properties for GdBaCuO superconductors impregnated with BiSnCd alloy. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 445-448, 408-411	1.3	9
213	Pinning centres in NEG-123 active at liquid oxygen temperature (90.2 K). <i>Superconductor Science and Technology</i> , 2004 , 17, S66-S69	3.1	9
212	Fracture toughness of Sm123 bulk superconductors evaluated by tensile and bending tests. <i>IEEE Transactions on Applied Superconductivity</i> , 2004 , 14, 1046-1049	1.8	9
211	Irreversibility field above 14 T at 77 K in (Nd-Eu-Gd)Ba ₂ /Cu ₃ O _y . <i>IEEE Transactions on Applied Superconductivity</i> , 2003 , 13, 3091-3094	1.8	9
210	Cracking Mechanisms and Tensile Strengths for Melt-Processed RE-Ba-Cu-O (RE: Sm, Y) 1999 , 685-688		9
209	Transmission Electron Microscopy and Atomic Force Microscopy Observation of Air-Processed GdBa ₂ Cu ₃ O _{7-δ} Superconductors Doped with Metal Oxide Nanoparticles (Metal = Zr, Zn, and Sn). <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 023002	1.4	8
208	The microstructure and properties of single grain bulk Ag-doped YBaCuO fabricated by seeded infiltration and growth. <i>Physica C: Superconductivity and Its Applications</i> , 2008 , 468, 1387-1390	1.3	8
207	Air processing of ternary (Sm,Eu,Gd)Ba ₂ Cu ₃ O _{7-δ} superconductors with enhanced peak effects. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 402, 127-135	1.3	8
206	Fracture toughness of SmBaCuO bulk superconductors at cryogenic temperatures. <i>IEEE Transactions on Applied Superconductivity</i> , 2004 , 14, 1118-1121	1.8	8
205	Effect of preloading on the relaxation of the levitation force in bulk YBaCuO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 426-431, 789-793	1.3	8
204	Effect of ZrO ₂ and BaZrO ₃ addition on the microstructure and superconducting properties of melt processed NdBa ₂ Cu ₃ O _{7-δ} <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 697-701	1.3	8
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74	Anisotropy in Knoop Hardness of MPMG-Processed YBCO Bulk Superconductor 1997 , 729-732		2
73	Effect of Pt-doping on the RE2O3(RE=Nd,Sm)-BaCuO2-CuO system during melt processing 1995 , 713-716		2
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