Kazumasa Iida

List of Publications by Year
in descending order

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207	3,587	134610	232693
papers	citations	34 h-index	48 g-index

208	208	208	1789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inter- to intra-layer resistivity anisotropy of NdFeAs(O,H) with various hydrogen concentrations. Physical Review Materials, 2022, 6, .	0.9	2
2	Microstructure, pinning properties, and aging of CSD-grown SmBa₂Cu₃O_{7â^'Î´} films with and without BaHfO₃ nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	1.8	8
3	K-doped Ba122 epitaxial thin film on MgO substrate by buffer engineering. Superconductor Science and Technology, 2022, 35, 09LT01.	1.8	5
4	Realization of epitaxial thin films of the superconductor K-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:m Physical Review Materials, 2021, 5, .	6.4	6
5	High Jc and low anisotropy of hydrogen doped NdFeAsO superconducting thin film. Scientific Reports, 2021, 11, 5636.	1.6	3
6	Nanoscale Texture and Microstructure in a NdFeAs(O,F)/IBAD-MgO Superconducting Thin Film with Superior Critical Current Properties. ACS Applied Electronic Materials, 2021, 3, 3158-3166.	2.0	5
7	Approaching the ultimate superconducting properties of (Ba,K)Fe2As2 by naturally formed low-angle grain boundary networks. NPG Asia Materials, 2021, 13, .	3.8	8
8	Pinning analyses of a BaHfO₃-containing GdBa₂Cu₃O_{7â€Î´} thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	1.8	3
9	Iron-Based Superconducting Nanowires: Electric Transport and Voltage-Noise Properties. Nanomaterials, 2020, 10, 862.	1.9	15
10	Grain boundary characteristics of Fe-based superconductors. Superconductor Science and Technology, 2020, 33, 043001.	1.8	27
11	Anisotropy of the transport properties of NdFeAs(O,F) thin films grown on vicinal substrates. Superconductor Science and Technology, 2020, 33, 044016.	1.8	2
12	Grain Boundaries in Fe-Based Superconductors. , 2020, , 269-302.		3
13	NdFeAs(O,H) epitaxial thin films with high critical current density. Superconductor Science and Technology, 2020, 33, 09LT01.	1.8	6
14	Microfabrication of NdFeAs(O,F) thin films and evaluation of the transport properties. Superconductor Science and Technology, 2020, 33, 074001.	1.8	1
15	Thin film growth of CaAgAs by molecular beam epitaxy. Journal of Physics Condensed Matter, 2020, 32, 435703.	0.7	2
16	Microscopic origin of highly enhanced current carrying capabilities of thin NdFeAs(O,F) films. Nanoscale Advances, 2019, 1, 3036-3048.	2.2	8
17	p-wave superconductivity in iron-based superconductors. Scientific Reports, 2019, 9, 14245.	1.6	15
18	Novel method to study strain effect of thin films using a piezoelectric-based device and a flexible metallic substrate. Applied Physics Express, 2019, 12, 016503.	1.1	2

#	Article	IF	Citations
19	Grain boundary characteristics of oxypnictide NdFeAs(O,F) superconductors. Superconductor Science and Technology, 2019, 32, 074003.	1.8	11
20	Fe-based superconducting thin filmsâ€”preparation and tuning of superconducting properties. Superconductor Science and Technology, 2019, 32, 093001.	1.8	42
21	Ambipolar suppression of superconductivity by ionic gating in optimally doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></ ultrathin films. Physical Review Materials, 2019, 3, .	0.9	11
22	Effect ofÎ±-particle irradiation on a NdFeAs(O,F) thin film. Superconductor Science and Technology, 2018, 31, 034002.	1.8	7
23	Nonmonotonic and anisotropic magnetoresistance effect in antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">CaMn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2018, 97, .	1.1	6
24	Recent progress in thin-film growth of Fe-based superconductors: superior superconductivity achieved by thin films. Superconductor Science and Technology, 2018, 31, 093001.	1.8	44
25	Co-Doped BaFe₂As₂ Superconducting Nanowires for Detector Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	3
26	Observation of zero resistance in as-electrodeposited FeSe. Solid State Communications, 2018, 270, 72-75.	0.9	12
27	FABRICATION OF GRAIN BOUNDARY JUNCTIONS USING NdFeAs(O,F) SUPERCONDUCTING THIN FILMS. Journal of Physics: Conference Series, 2018, 1054, 012024.	0.3	7
28	Vortex glass-liquid transition and activated flux motion in an epitaxial, superconducting NdFeAs(O,F) thin film. MRS Communications, 2018, 8, 1433-1438.	0.8	7
29	Universal scaling behavior of the upper critical field in strained FeSe_{0.7}Te_{0.3} thin films. New Journal of Physics, 2018, 20, 093012.	1.2	13
30	Fe-based superconducting thin films on metallic substrates: Growth, characteristics, and relevant properties. Applied Physics Reviews, 2018, 5, 031304.	5.5	51
31	Superconducting properties of Ba(Fe1â€“xNix)2As2 thin films in high magnetic fields. Applied Physics Letters, 2017, 110, .	1.5	17
32	The influence of the in-plane lattice constant on the superconducting transition temperature of FeSe0.7Te0.3 thin films. AIP Advances, 2017, 7, 065015.	0.6	13
33	High-field transport properties of a P-doped BaFe2As2 film on technical substrate. Scientific Reports, 2017, 7, 39951.	1.6	38
34	Hall effect measurements of high-quality <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>CuN</mml:mi></mml:mrow></mml:math> thin films and the electronic structure. Physical Review B, 2017, 96, .	1.1	7
35	Selective mass enhancement close to the quantum critical point in BaFe2(As1â^'x P x)2. Scientific Reports, 2017, 7, 4589.	1.6	8
36	Josephson effects at iron pnictide superconductors: Approaching phaseâ€sensitive experiments. Physica Status Solidi (B): Basic Research, 2017, 254, 1600165.	0.7	15

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37	Deposition and properties of Fe(Se,Te) thin films on vicinal CaF₂substrates. Superconductor Science and Technology, 2017, 30, 115008.	1.8	8
38	Realization and Characterization of Iron-Based Superconducting Nanowires for Detector Applications. , 2017, , .		0
39	Tracing the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>s</mml:mi><mml:mo>Â±</mml:mo></mml:msub></mml in iron pnictides by controlled disorder. Physical Review B, 2016, 93, .	1.7	30
40	Hall-plot of the phase diagram for Ba(Fe1â^'xCox)2As2. Scientific Reports, 2016, 6, 28390.	1.6	30
41	Intrinsic and extrinsic pinning in NdFeAs(O,F): vortex trapping and lock-in by the layered structure. Scientific Reports, 2016, 6, 36047.	1.6	35
42	Electrochemical Deposition of FeSe on RABiTS Tapes. Journal of the Physical Society of Japan, 2016, 85, 015001.	0.7	17
43	Anisotropy of iron-platinum-arsenide Ca10(PtnAs8)(Fe2â^'xPtxAs2)5 single crystals. Applied Physics Letters, 2015, 107, .	1.5	20
44	High field superconducting properties of Ba(Fe1â^'xCox)2As2 thin films. Scientific Reports, 2015, 5, 17363.	1.6	49
45	Resistivity in Ba(FeCo)As: Comparison of thin films and single crystals. Physica Status Solidi (B): Basic Research, 2015, 252, 821-827.	0.7	3
46	Excess currents in planar Ba(FeCo)As/TiO/Pb Josephson junctions. Physica Status Solidi (B): Basic Research, 2015, 252, 2858-2866.	0.7	8
47	A new member has joined: pnictide bulk superconducting magnets. Superconductor Science and Technology, 2015, 28, 120501.	1.8	1
48	Influence of Fe Buffer Layer on Co-Doped BaFe2As2Superconducting Thin Films. Advances in Condensed Matter Physics, 2015, 2015, 1-8.	0.4	2
49	Strain Dependence of Critical Fieldsâ€"Studied on Piezoelectric Substrates. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	3
50	Effect of radiation defects on the magnetotransport properties of Ba(Fe1 â^' x Co x As)2 high-temperature superconductor. JETP Letters, 2015, 101, 247-250.	0.4	3
51	Unusually high critical current of clean P-doped BaFe2As2 single crystalline thin film. Applied Physics Letters, 2015, 106, 072602.	1.5	31
52	Influence of substrate type on transport properties of superconducting FeSe_{0.5}Te_{0.5}thin films. Superconductor Science and Technology, 2015, 28, 065005.	1.8	23
53	<inline-formula> <tex-math notation="TeX">$hbox{BaHfO}_{3}$</tex-math> </inline-formula>-Doped Thick <inline-formula> <tex-math notation="TeX">$hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{7-delta} $</tex-math> </inline-formula> Films on Highly Alloyed Textured Ni-W Tapes. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	24
54	Direct growth of superconducting NdFeAs(O,F) thin films by MBE. Physica C: Superconductivity and Its Applications, 2015, 518, 69-72.	0.6	11

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55	Investigation of the Electrical Field Sensitivity of Sub-Î¼m Yâ€“Baâ€“Cuâ€“O Detectors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.1	10
56	Probing transport mechanisms of BaFe2As2 superconducting films and grain boundary junctions by noise spectroscopy. Scientific Reports, 2015, 4, 6163.	1.6	24
57	Hybrid Josephson Junctions with Iron-based and Conventional Superconductor Electrodes. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1117-1121.	0.8	8
58	Nanocomposite RE-Ba-Cu-O Bulk Superconductors. , 2015, , 85-95.		1
59	The effect of 45Â° grain boundaries and associated Fe particles on Jc and resistivity in Ba(Fe0.9Co0.1)2As2 thin films. , 2014, , .		9
60	Study of the structure of a superconducting state of Co-doped BaFe2As2 multiband compounds. JETP Letters, 2014, 100, 328-335.	0.4	0
61	Femtosecond spectroscopy in a nearly optimally doped Fe-based superconductors FeSe0.5Te0.5and Ba(Fe1â^'xCox)2As2/Fe thin film. Journal of Physics: Conference Series, 2014, 507, 012004.	0.3	0
62	Pulsed laser deposition of thick BaHfO3-doped YBa2Cu3O7-Î´films on highly alloyed textured Ni-W tapes. Journal of Physics: Conference Series, 2014, 507, 022032.	0.3	5
63	Induced lattice strain in epitaxial Fe-based superconducting films on CaF2 substrates: A comparative study of the microstructures of SmFeAs(O,F), Ba(Fe,Co)2As2, and FeTe0.5Se0.5. Applied Physics Letters, 2014, 104, .	1.5	22
64	Highly textured oxypnictide superconducting thin films on metal substrates. Applied Physics Letters, 2014, 105, .	1.5	25
65	Surface properties of Co-doped BaFe2As2 thin films deposited on MgO with Fe buffer layer and CaF2 substrates. Applied Surface Science, 2014, 312, 182-187.	3.1	5
66	Submillimeter Quasioptical Spectroscopy of Multilayer Conducting and Superconducting Systems. Radiophysics and Quantum Electronics, 2014, 56, 620-627.	0.1	2
67	Investigation of TiOx barriers for their use in hybrid Josephson and tunneling junctions based on pnictide thin films. Journal of Applied Physics, 2014, 115, 083901.	1.1	14
68	Evaluation of superconducting gaps in optimally doped Ba(Fe1â^'Co)2As2/Fe bilayers by ultrafast time-resolved spectroscopy. Physica C: Superconductivity and Its Applications, 2014, 503, 132-135.	0.6	3
69	Advanced surface characterization of Ba(Fe0.92Co0.08)2As2 epitaxial thin films. Applied Surface Science, 2014, 312, 23-29.	3.1	5
70	Investigation of the strain-sensitive superconducting transition of BaFe1.8Co0.2As2thin films utilizing piezoelectric substrates. Journal of Physics: Conference Series, 2014, 507, 012049.	0.3	1
71	Temperature-dependent electric noise level in different iron-based superconductors. Journal of Physics: Conference Series, 2014, 507, 012002.	0.3	0
72	Magnetic measurements based on magneto-optical Kerr effect on pnictide Ba(Fe_{1â^'x}Co_x)₂As₂/Fe thin film. Journal of Physics: Conference Series, 2014, 507, 012050.	0.3	1

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73	Bicrystalline Grain Boundary Junctions of Co-doped and P-doped Ba-122 Thin Films. Journal of Physics: Conference Series, 2014, 507, 012046.	0.3	3
74	Influence of the spreading resistance on the conductance spectrum of planar hybrid thin film SNS' junctions based on iron pnictides. Journal of Physics: Conference Series, 2014, 507, 012008.	0.3	5
75	Intra-gap Absorption in Superconducting Ba(Fe1â˜'x Co x)2As2 Thin Films Studied by a Fabryâ€"PÃ©rot Resonant Technique. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1227-1231.	0.8	6
76	Surface transport properties of Fe-based superconductors: The influence of degradation and inhomogeneity. Applied Physics Letters, 2013, 103, .	1.5	21
77	Strain induced superconductivity in the parent compound BaFe2As2. Nature Communications, 2013, 4, 2877.	5.8	59
78	Infrared Photo-Response of Fe-Shunted Ba-122 Thin Film Microstructures. IEEE Transactions on Applied Superconductivity, 2013, 23, 7501105-7501105.	1.1	3
79	The Order-Parameter Symmetry and Fermi Surface Topology of 122 Fe-Based Superconductors: A Point-Contact Andreev-Reflection Study. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1331-1337.	0.8	4
80	Bicrystalline Grain Boundary and Hybrid SNS Junctions Based on Ba-122 Thin Films. IEEE Transactions on Applied Superconductivity, 2013, 23, 7300104-7300104.	1.1	18
81	BaFe2As2/Fe Bilayers with [001]-tilt Grain Boundary on MgO and SrTiO3 Bicrystal Substrates. Physics Procedia, 2013, 45, 189-192.	1.2	10
82	Fe/Ba(Fe1â˜'xCox)2As2 multilayers and quasi-multilayers with Tc=29K. Physica C: Superconductivity and Its Applications, 2013, 494, 185-188.	0.6	11
83	Versatile fluoride substrates for Fe-based superconducting thin films. Applied Physics Letters, 2013, 102, .	1.5	45
84	Electronic phase diagram of disordered Co doped BaFe₂As_{2â˜'Î´}. Superconductor Science and Technology, 2013, 26, 025014.	1.8	25
85	One-dimensional pinning behavior in Co-doped BaFe2As2 thin films. Applied Physics Letters, 2013, 103, 232601.	1.5	2
86	Intrinsic pinning and the critical current scaling of clean epitaxial Fe(Se,Te) thin films. Physical Review B, 2013, 87, .	1.1	51
87	[illegible] temperature dependence of the energy gaps in Ba(Fe<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 207 xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /></mml:	1.1	14
88	Oxypnictide SmFeAs(O,F) superconductor: a candidate for highâ€"field magnet applications. Scientific Reports, 2013, 3, 2139.	1.6	42
89	The influence of the buffer layer architecture on transport properties for BaFe1.8Co0.2As2 films on technical substrates. Applied Physics Letters, 2012, 100, .	1.5	27
90	Edge-type Josephson junctions with Co-doped Ba-122 thin films. Superconductor Science and Technology, 2012, 25, 084020.	1.8	30

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91	Architecture, microstructure andJ_canisotropy of highly oriented biaxially textured Co-doped BaFe₂As₂on Fe/IBAD-MgO-buffered metal tapes. Superconductor Science and Technology, 2012, 25, 084019.	1.8	48
92	Changes in the in- and out-of-plane magnetic susceptibility of YBCO crystals with temperature and hole content. Europhysics Letters, 2012, 98, 57011.	0.7	6
93	Microstructure and trapped field of Al-doped GdBCOâ€“Ag bulk superconductors. Superconductor Science and Technology, 2012, 25, 025023.	1.8	3
94	Josephson and Tunneling Junctions with Thin Films of Iron based Superconductors. Physics Procedia, 2012, 36, 82-87.	1.2	5
95	Penetration and de-pinning of vortices in sub-micrometer Ba(Fe,Co)2As2 thin film bridges. Physica C: Superconductivity and Its Applications, 2012, 479, 164-166.	0.6	2
96	Observation of multiple superconducting gaps in the infrared reflectivity spectra of Ba(Fe0.9Co0.1)2As2. JETP Letters, 2012, 94, 719-722.	0.4	9
97	ISS2011 Development of iron-based superconducting devices. Physics Procedia, 2012, 27, 296-299.	1.2	7
98	Planar hybrid superconductor-normal metal-superconductor thin film junctions based on BaFe1.8Co0.2As2. Physica C: Superconductivity and Its Applications, 2012, 478, 15-18.	0.6	15
99	$J_{m c}$ Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. IEEE Transactions on Applied Superconductivity, 2011, 21, 2887-2890.	1.1	22
100	Critical Current Scaling and Anisotropy in Oxypnictide Superconductors. Physical Review Letters, 2011, 106, 137001.	2.9	60
101	Generic Fe buffer layers for Fe-based superconductors: Epitaxial FeSe1â^'xTex thin films. Applied Physics Letters, 2011, 99, .	1.5	44
102	Epitaxial Growth of Superconducting Ba(Fe_{1-x}Co_x)₂As₂Thin Films on Technical Ion Beam Assisted Deposition MgO Substrates. Applied Physics Express, 2011, 4, 013103.	1.1	79
103	Two-band BCS mechanism of superconductivity in a Ba(Fe0.9Co0.1)2As2 high-temperature superconductor. JETP Letters, 2011, 93, 736-742.	0.4	2
104	Critical current densities in ultrathin Ba(Fe,Co)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mro	1.1	26
105	Electronic structure and pairing state of the iron pnictide compound		

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109	Recycling of multi-grain, melt processed bulk (RE)BCO superconductors. Superconductor Science and Technology, 2010, 23, 065012.	1.8	11
110	Top seeded melt growth of Gdâ€“Baâ€“Cuâ€“O single grain superconductors. Superconductor Science and Technology, 2010, 23, 034008.	1.8	31
111	Irreversibility field up to 42 T of GdBa₂Cu₃O_{7-Î´}thin films grown by PLD and its dependence on deposition parameters. Superconductor Science and Technology, 2010, 23, 105017.	1.8	10
112	Direct observation of the superconducting energy gap in the optical conductivity of the iron pnictide superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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127	Fabrication of high performance Y-123/Y-24Nb1/Ag single grain composites. Physica C: Superconductivity and Its Applications, 2009, 469, 1173-1177.	0.6	12
128	Recycling process for 123-type bulk superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 1153-1156.	0.6	11
129	Fabrication of high performance Gdâ€“Baâ€“Cuâ€“O single grains in air using a practical melt processing technique. Physica C: Superconductivity and Its Applications, 2009, 469, 1146-1152.	0.6	8
130	Strong Tc dependence for strained epitaxial Ba(Fe1â^'xCox)2As2 thin films. Applied Physics Letters, 2009, 95, .	1.5	106
131	Processing of bulk Smâ€“Baâ€“Cuâ€“O nano-composite superconductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1340-1344.	0.6	11
132	The possibility of negative substitution (x) in melt-processed Gd1+xBa2â^'xCu3O7â^'Î´ GdBCO bulk superconductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1408-1410.	0.6	3
133	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
134	Anisotropic thermal conductivity of Erâ€“Baâ€“Cuâ€“O bulk superconductors. Physica C: Superconductivity and Its Applications, 2008, 468, 1428-1430.	0.6	2
135	Influence of Sm2Ba4CuBiO phase content on Jc of SmBa2Cu3O7/Sm2Ba4CuBiO nano-composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 21-24.	1.7	6
136	The effect of Ag and Y-24W1 addition on the microstructure and superconducting properties of single grain Yâ€“Baâ€“Cuâ€“O. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 40-46.	1.7	6
137	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
138	Single domain YBCO/Ag bulk superconductors fabricated by seeded infiltration and growth. Journal of Physics: Conference Series, 2008, 97, 012105.	0.3	5
139	Thermal conductivity of Erâ€“Baâ€“Cuâ€“O and Hoâ€“Baâ€“Cuâ€“O superconducting bulks. Superconductor Science and Technology, 2008, 21, 085001.	1.8	2
140	Superconducting properties of Gd-Ba-Cu-O single grains processed from a new, Ba-rich precursor compound. Journal of Physics: Conference Series, 2008, 97, 012250.	0.3	5
141	Properties of GdBCO bulk superconductors melt-processed in air using a Mg-doped Ndâ€“Baâ€“Cuâ€“O generic seed crystal. Superconductor Science and Technology, 2007, 20, 38-43.	1.8	36
142	Silver-doped Yâ€“Baâ€“Cuâ€“O bulk superconductors fabricated by seeded infiltration and growth. Superconductor Science and Technology, 2007, 20, 1065-1070.	1.8	20
143	Strongly Coupled Artificial Bulk HTS Grain Boundaries With High Critical Current Densities. IEEE Transactions on Applied Superconductivity, 2007, 17, 2949-2952.	1.1	19
144	Flux pinning in melt-processed nanocomposite single-grain superconductors. Superconductor Science and Technology, 2007, 20, S141-S146.	1.8	23

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145	Growth Rate and Superconducting Properties of Gd-Ba-Cu-O Bulk Superconductors Melt Processed in Air. IEEE Transactions on Applied Superconductivity, 2007, 17, 2984-2987.	1.1	23
146	Bulk Superconducting Nano-Composites With High Critical Currents. IEEE Transactions on Applied Superconductivity, 2007, 17, 2953-2956.	1.1	10
147	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
148	Properties of Mg-doped Nd-Ba-Cu-O generic seed crystals for the top seeded melt growth of (RE)-Ba-Cu-O bulk superconductors. Journal of Physics: Conference Series, 2006, 43, 446-449.	0.3	1
149	Single grain (LRE)-Ba-Cu-O superconductors fabricated by top seeded melt growth in air. Journal of Physics: Conference Series, 2006, 43, 421-424.	0.3	2
150	High-performance single grain Yâ€“Baâ€“Cuâ€“O bulk superconductor fabricated by seeded infiltration and growth. Physica C: Superconductivity and Its Applications, 2006, 445-448, 277-281.	0.6	18
151	The effect of seed orientation and separation on the field trapping properties of multi-seeded, melt processed Yâ€“Baâ€“Cuâ€“O. Physica C: Superconductivity and Its Applications, 2006, 445-448, 382-386.	0.6	17
152	Processing of high performance (LRE)-Baâ€“Cuâ€“O large, single-grain bulk superconductors in air. Physica C: Superconductivity and Its Applications, 2006, 445-448, 286-290.	0.6	21
153	Enhanced magnetic flux pinning in nano-composite Yâ€“Baâ€“Cuâ€“O superconductors. Physica C: Superconductivity and Its Applications, 2006, 445-448, 353-356.	0.6	23
154	The influence of Ndâ€“Baâ€“Cuâ€“Mgâ€“O generic seed crystal composition on Tc of seeded, bulk (RE)â€“Baâ€“Cuâ€“O grains. Physica C: Superconductivity and Its Applications, 2006, 445-448, 295-298.	0.6	3
155	YBa2Cu3O7â^Î´/Y2Ba4CuMOysingle grain nanocomposite superconductors with high critical current densities. Superconductor Science and Technology, 2006, 19, S461-S465.	1.8	40
156	Seeded infiltration and growth of single-domain Gdâ€“Baâ€“Cuâ€“O bulk superconductors using a generic seed crystal. Superconductor Science and Technology, 2006, 19, S478-S485.	1.8	42
157	Gdâ€“Baâ€“Cuâ€“O bulk superconductors fabricated by a seeded infiltration growth technique under reduced oxygen partial pressure. Superconductor Science and Technology, 2006, 19, 641-647.	1.8	27
158	A practical processing method for the fabrication of high performance, single grain (LRE)-Baâ€“Cuâ€“O superconductors. Superconductor Science and Technology, 2006, 19, S510-S516.	1.8	11
159	Nano-composite single grain YBa2Cu3O7-Î´/Y2Ba4CuBiOybulk superconductors. Journal of Physics: Conference Series, 2006, 43, 377-380.	0.3	11
160	The effect of Y-211 precursor particle size on the microstructure and properties of Yâ€“Baâ€“Cuâ€“O bulk superconductors fabricated by seeded infiltration and growth. Superconductor Science and Technology, 2006, 19, 711-718.	1.8	49
161	Mg-doped Nd-Ba-Cu-O generic seed crystals for the top-seeded melt growth of large-grain (rare) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	15
162	Processing of large, single grain YBa2Cu3O7â^Î´/Y2BaCuO5/Y2Ba4CuNbOy bulk composites. Physica C: Superconductivity and Its Applications, 2005, 426-431, 520-526.	0.6	14

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163	A practical route for the fabrication of large single-crystal (RE)â€“Baâ€“Cuâ€“O superconductors. Nature Materials, 2005, 4, 476-480.	13.3	125
164	Liquid Phase Epitaxial Growth of (Bi, Lu)3(Fe, Ga)5O12Films with In-Plane Anisotropy for Magneto-Optical Imaging. Japanese Journal of Applied Physics, 2005, 44, 1734-1739.	0.8	14
165	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
166	The effect of the addition of zirconium-containing compounds on the microstructure and superconducting properties of mono-domain Yâ€“Baâ€“Cuâ€“O bulk superconductors. Superconductor Science and Technology, 2005, 18, 704-709.	1.8	11
167	Fabrication of high performance light rare earth based single-grain superconductors in air. Applied Physics Letters, 2005, 87, 202506.	1.5	46
168	The effect of nano-size ZrO2powder addition on the microstructure and superconducting properties of single-domain Yâ€“Baâ€“Cuâ€“O bulk superconductors. Superconductor Science and Technology, 2005, 18, 249-254.	1.8	37
169	Large Single Grain (RE)-Ba-Cu-O Superconductors With Nano-Phase Inclusions. IEEE Transactions on Applied Superconductivity, 2005, 15, 3090-3093.	1.1	7
170	The effect of size, morphology and crystallinity of seed crystals on the nucleation and growth of Yâ€“Baâ€“Cuâ€“O single-grain superconductors. Superconductor Science and Technology, 2005, 18, 64-72.	1.8	29
171	Seeded infiltration and growth of large, single domain Yâ€“Baâ€“Cuâ€“O bulk superconductors with very high critical current densities. Superconductor Science and Technology, 2005, 18, 1421-1427.	1.8	100
172	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
173	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
174	Joining of different Yâ€“Baâ€“Cuâ€“O blocks. Physica C: Superconductivity and Its Applications, 2004, 402, 119-126.	0.6	13
175	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
176	Current distribution in the welded YBCO bulk material. Physica C: Superconductivity and Its Applications, 2003, 388-389, 413-414.	0.6	1
177	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
178	Welding of different Yâ€“Baâ€“Cuâ€“O blocks. Physica C: Superconductivity and Its Applications, 2003, 392-396, 437-440.	0.6	5
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	Superconducting properties and microstructures of ErÂBaÂCuÂO superconductor. Superconductor Science and Technology, 2003, 16, 699-706.	1.8	5

#	Article	IF	Citations
181	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
182	Effect of CeO2 and Pt doping on the microstructure of Nd-Sm123 bulk superconductor fabricated in air. Superconductor Science and Technology, 2002, 15, 778-780.	1.8	2
183	YBCO bulk of the superconducting bearing for a 10 kWh flywheel. Superconductor Science and Technology, 2002, 15, 842-845.	1.8	37
184	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
185	Superconducting properties of Ndâ€“Baâ€“Cuâ€“O fabricated in air. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1152-1154.	0.6	7
186	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
187	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
188	Engineering of Jcâ€“B characteristics of REâ€“Baâ€“Cuâ€“O melt-textured superconductors. Physica C: Superconductivity and Its Applications, 2002, 378-381, 707-712.	0.6	6
189	Fabrication and evaluation of superconducting bearing module for 10 kWh flywheel. Physica C: Superconductivity and Its Applications, 2002, 378-381, 883-887.	0.6	13
190	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
191	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
192	Refinement of Nd-422 particles in Nd-Ba-Cu-O bulk superconductor. IEEE Transactions on Applied Superconductivity, 2001, 11, 3529-3532.	1.1	2
193	Refinement of Nd4Ba2Cu2O10 particle in the superconducting matrix. Physica C: Superconductivity and Its Applications, 2001, 350, 115-126.	0.6	4
194	Study of (Nd,Sm)422 solid solution and its effect on the melt process of Nd123 bulk superconductors. Physica C: Superconductivity and Its Applications, 2001, 354, 401-405.	0.6	4
195	The fabrication of SmBa2Cu3Oy bulk superconductor using (Nd,Sm)422 in air. Physica C: Superconductivity and Its Applications, 2001, 357-360, 681-684.	0.6	4
196	Effect of CeO2 addition on microstructure and magnetic properties in (Nd,Eu,Gd)â€“Baâ€“Cuâ€“O. Physica C: Superconductivity and Its Applications, 2001, 357-360, 665-668.	0.6	8
197	Phonon scattering by 211 second phase grains in high Tc 123 bulk materials. Physica C: Superconductivity and Its Applications, 2001, 357-360, 747-750.	0.6	1
198	Relationship between undercooling and growth rate of Nd123/Ag in air. Physica C: Superconductivity and Its Applications, 2001, 357-360, 677-680.	0.6	5

#	Article	IF	Citations
199	Microstructure of (Nd, Eu, Gd)-123 matrix with (Nd, Eu, Gd)-211 inclusions. Journal of Materials Research, 2001, 16, 407-412.	1.2	4
200	Melt processing of binary (Nd, Eu)-Ba-Cu-O superconductors. Superconductor Science and Technology, 2000, 13, 683-687.	1.8	4
201	Pseudo-binary phase diagram along NdBa2Cu3Oy-Ba3Cu5OzunderpO2of 0.01 atm. Superconductor Science and Technology, 2000, 13, 1322-1326.	1.8	1
202	Superconducting properties of large grain (Sm, Gd)-Ba-Cu-O blocks. Superconductor Science and Technology, 2000, 13, 679-682.	1.8	8
203	Melt growth of Ag doped Gd-Ba-Cu-O bulk superconductors by using Nd-Ba-Cu-O seed crystal. , 2000, , 461-463.		0
204	Flux Pinning in Melt-Processed (Nd0.25Sm0.25Eu0.25Gd0.25) Ba2Cu3Oy Superconductors. , 2000, , 491-493.		0
205	Hgh-Performance Ferrite Magnets: M-Type Sr-Ferrite Containing Lanthanum and Cobalt.. Journal of the Magnetics Society of Japan, 1999, 23, 1093-1096.	0.4	94
206	Crystal Orientation Degree of Strontium Ferrite Particles in Magnetic Field at Wet-Pressing Stage.. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1999, 46, 77-82.	0.1	0
207	Magnetocrystalline Anisotropy of M-Type Sr-Ferrite Containing Lanthanum and Cobalt.. Journal of the Magnetics Society of Japan, 1999, 23, 1097-1100.	0.4	21