# Kazumasa Iida

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 201 papers | 3,131 citations | 32 h-index | 44 g-index |
| 208 ext. papers | 3,355 ext. citations | 2.7 avg, IF | 4.88 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 201 | Pinning analyses of a BaHfO3-containing GdBa2Cu3O7-δ thin film grown by chemical solution deposition. *Superconductor Science and Technology*, **2021**, 34, 015009 | 3.1 | 0 |
| 200 | High J and low anisotropy of hydrogen doped NdFeAsO superconducting thin film. *Scientific Reports*, **2021**, 11, 5636 | 4.9 | 0 |
| 199 | Realization of epitaxial thin films of the superconductor K-doped BaFe2As2. *Physical Review Materials*, **2021**, 5, | 3.2 | 1 |
| 198 | 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 | 4 | 0 |
| 197 | Iron-Based Superconducting Nanowires: Electric Transport and Voltage-Noise Properties. *Nanomaterials*, **2020**, 10, | 5.4 | 8 |
| 196 | Grain boundary characteristics of Fe-based superconductors. *Superconductor Science and Technology*, **2020**, 33, 043001 | 3.1 | 10 |
| 195 | Anisotropy of the transport properties of NdFeAs(O,F) thin films grown on vicinal substrates. *Superconductor Science and Technology*, **2020**, 33, 044016 | 3.1 | 1 |
| 194 | Microfabrication of NdFeAs(O,F) thin films and evaluation of the transport properties. *Superconductor Science and Technology*, **2020**, 33, 074001 | 3.1 | 1 |
| 193 | Thin film growth of CaAgAs by molecular beam epitaxy. *Journal of Physics Condensed Matter*, **2020**, 32, 435703 | 1.8 | 0 |
| 192 | Grain Boundaries in Fe-Based Superconductors **2020**, 269-302 | | 2 |
| 191 | NdFeAs(O,H) epitaxial thin films with high critical current density. *Superconductor Science and Technology*, **2020**, 33, 09LT01 | 3.1 | 2 |
| 190 | Microscopic origin of highly enhanced current carrying capabilities of thin NdFeAs(O,F) films. *Nanoscale Advances*, **2019**, 1, 3036-3048 | 5.1 | 7 |
| 189 | p-wave superconductivity in iron-based superconductors. *Scientific Reports*, **2019**, 9, 14245 | 4.9 | 8 |
| 188 | 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 | 2.4 | 2 |
| 187 | Grain boundary characteristics of oxypnictide NdFeAs(O,F) superconductors. *Superconductor Science and Technology*, **2019**, 32, 074003 | 3.1 | 7 |
| 186 | Fe-based superconducting thin films: preparation and tuning of superconducting properties. *Superconductor Science and Technology*, **2019**, 32, 093001 | 3.1 | 32 |
| 185 | Ambipolar suppression of superconductivity by ionic gating in optimally doped BaFe2(As,P)2 ultrathin films. *Physical Review Materials*, **2019**, 3, | 3.2 | 9 |

| | | | |
|---|---|---|---|
| 184 | Effect of -particle irradiation on a NdFeAs(O,F) thin film. *Superconductor Science and Technology*, **2018**, 31, 034002 | 3.1 | 5 |
| 183 | Nonmonotonic and anisotropic magnetoresistance effect in antiferromagnet CaMn2Bi2. *Physical Review B*, **2018**, 97, | 3.3 | 4 |
| 182 | Recent progress in thin-film growth of Fe-based superconductors: superior superconductivity achieved by thin films. *Superconductor Science and Technology*, **2018**, 31, 093001 | 3.1 | 32 |
| 181 | Co-Doped BaFe2As2 Superconducting Nanowires for Detector Applications. *IEEE Transactions on Applied Superconductivity*, **2018**, 28, 1-4 | 1.8 | 2 |
| 180 | Observation of zero resistance in as-electrodeposited FeSe. *Solid State Communications*, **2018**, 270, 72-75 | 1.6 | 7 |
| 179 | FABRICATION OF GRAIN BOUNDARY JUNCTIONS USING NdFeAs(O,F) SUPERCONDUCTING THIN FILMS. *Journal of Physics: Conference Series*, **2018**, 1054, 012024 | 0.3 | 7 |
| 178 | Vortex glass-liquid transition and activated flux motion in an epitaxial, superconducting NdFeAs(O,F) thin film. *MRS Communications*, **2018**, 8, 1433-1438 | 2.7 | 7 |
| 177 | Universal scaling behavior of the upper critical field in strained FeSe0.7Te0.3 thin films. *New Journal of Physics*, **2018**, 20, 093012 | 2.9 | 3 |
| 176 | Fe-based superconducting thin films on metallic substrates: Growth, characteristics, and relevant properties. *Applied Physics Reviews*, **2018**, 5, 031304 | 17.3 | 41 |
| 175 | Superconducting properties of Ba(Fe1 Nix)2As2 thin films in high magnetic fields. *Applied Physics Letters*, **2017**, 110, 022601 | 3.4 | 15 |
| 174 | The influence of the in-plane lattice constant on the superconducting transition temperature of FeSe0.7Te0.3 thin films. *AIP Advances*, **2017**, 7, 065015 | 1.5 | 8 |
| 173 | High-field transport properties of a P-doped BaFeAs film on technical substrate. *Scientific Reports*, **2017**, 7, 39951 | 4.9 | 29 |
| 172 | Hall effect measurements of high-quality Mn3CuN thin films and the electronic structure. *Physical Review B*, **2017**, 96, | 3.3 | 7 |
| 171 | Selective mass enhancement close to the quantum critical point in BaFe(As P ). *Scientific Reports*, **2017**, 7, 4589 | 4.9 | 6 |
| 170 | Josephson effects at iron pnictide superconductors: Approaching phase-sensitive experiments. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1600165 | 1.3 | 11 |
| 169 | Deposition and properties of Fe(Se,Te) thin films on vicinal CaF2substrates. *Superconductor Science and Technology*, **2017**, 30, 115008 | 3.1 | 7 |
| 168 | Tracing the s- symmetry in iron pnictides by controlled disorder. *Physical Review B*, **2016**, 93, | 3.3 | 28 |
| 167 | Hall-plot of the phase diagram for Ba(Fe1-xCox)2As2. *Scientific Reports*, **2016**, 6, 28390 | 4.9 | 25 |

| | | | |
|---|---|---|---|
| 166 | Intrinsic and extrinsic pinning in NdFeAs(O,F): vortex trapping and lock-in by the layered structure. *Scientific Reports*, **2016**, 6, 36047 | 4.9 | 30 |
| 165 | Electrochemical Deposition of FeSe on RABiTS Tapes. *Journal of the Physical Society of Japan*, **2016**, 85, 015001 | 1.5 | 13 |
| 164 | Strain Dependence of Critical Fields Studied on Piezoelectric Substrates. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-4 | 1.8 | 3 |
| 163 | Effect of radiation defects on the magnetotransport properties of Ba(Fe1 −x Co x As)2 high-temperature superconductor. *JETP Letters*, **2015**, 101, 247-250 | 1.2 | 3 |
| 162 | Unusually high critical current of clean P-doped BaFe2As2 single crystalline thin film. *Applied Physics Letters*, **2015**, 106, 072602 | 3.4 | 28 |
| 161 | Influence of substrate type on transport properties of superconducting FeSe0.5Te0.5thin films. *Superconductor Science and Technology*, **2015**, 28, 065005 | 3.1 | 11 |
| 160 | $hbox{BaHfO}_{3}$-Doped Thick $hbox{YBa}_{2}hbox{Cu}_{3}hbox{O}_{7-delta}$ Films on Highly Alloyed Textured Ni-W Tapes. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-4 | 1.8 | 19 |
| 159 | Direct growth of superconducting NdFeAs(O,F) thin films by MBE. *Physica C: Superconductivity and Its Applications*, **2015**, 518, 69-72 | 1.3 | 10 |
| 158 | Investigation of the Electrical Field Sensitivity of Sub-μm YBaCuO Detectors. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-6 | 1.8 | 10 |
| 157 | Hybrid Josephson Junctions with Iron-based and Conventional Superconductor Electrodes. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 1117-1121 | 1.5 | 5 |
| 156 | Anisotropy of iron-platinum-arsenide Ca10(PtnAs8)(Fe2−xPtxAs2)5 single crystals. *Applied Physics Letters*, **2015**, 107, 012602 | 3.4 | 17 |
| 155 | High field superconducting properties of Ba(Fe1-xCox)2As2 thin films. *Scientific Reports*, **2015**, 5, 17363 | 4.9 | 39 |
| 154 | Resistivity in Ba(FeCo)As: Comparison of thin films and single crystals. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 821-827 | 1.3 | 3 |
| 153 | Excess currents in planar Ba(FeCo)As/TiO/Pb Josephson junctions. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 2858-2866 | 1.3 | 5 |
| 152 | A new member has joined: pnictide bulk superconducting magnets. *Superconductor Science and Technology*, **2015**, 28, 120501 | 3.1 | 1 |
| 151 | Influence of Fe Buffer Layer on Co-Doped BaFe2As2Superconducting Thin Films. *Advances in Condensed Matter Physics*, **2015**, 2015, 1-8 | 1 | 1 |
| 150 | Nanocomposite RE-Ba-Cu-O Bulk Superconductors **2015**, 85-95 | | 1 |
| 149 | Probing transport mechanisms of BaFeAs superconducting films and grain boundary junctions by noise spectroscopy. *Scientific Reports*, **2014**, 4, 6163 | 4.9 | 19 |

| | | | |
|---|---|---|---|
| 148 | Submillimeter Quasioptical Spectroscopy of Multilayer Conducting and Superconducting Systems. *Radiophysics and Quantum Electronics*, **2014**, 56, 620-627 | 0.7 | 2 |
| 147 | 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 | 2.5 | 13 |
| 146 | Evaluation of superconducting gaps in optimally doped Ba(Fe1□o )2As2/Fe bilayers by ultrafast time-resolved spectroscopy. *Physica C: Superconductivity and Its Applications*, **2014**, 503, 132-135 | 1.3 | 3 |
| 145 | Advanced surface characterization of Ba(Fe0.92Co0.08)2As2 epitaxial thin films. *Applied Surface Science*, **2014**, 312, 23-29 | 6.7 | 5 |
| 144 | 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 |
| 143 | Temperature-dependent electric noise level in different iron-based superconductors. *Journal of Physics: Conference Series*, **2014**, 507, 012002 | 0.3 | |
| 142 | Magnetic measurements based on magneto-optical Kerr effect on pnictide Ba(Fe1□Cox)2As2/Fe thin film. *Journal of Physics: Conference Series*, **2014**, 507, 012050 | 0.3 | 1 |
| 141 | Bicrystalline Grain Boundary Junctions of Co-doped and P-doped Ba-122 Thin Films. *Journal of Physics: Conference Series*, **2014**, 507, 012046 | 0.3 | 2 |
| 140 | Influence of the spreading resistance on the conductance spectrum of planar hybrid thin film SNSQ junctions based on iron pnictides. *Journal of Physics: Conference Series*, **2014**, 507, 012008 | 0.3 | 2 |
| 139 | The effect of 45° grain boundaries and associated Fe particles on Jc and resistivity in Ba(Fe0.9Co0.1)2As2 thin films **2014**, | | 9 |
| 138 | Study of the structure of a superconducting state of Co-doped BaFe2As2 multiband compounds. *JETP Letters*, **2014**, 100, 328-335 | 1.2 | |
| 137 | Femtosecond spectroscopy in a nearly optimally doped Fe-based superconductors FeSe0.5Te0.5and Ba(Fe1□Cox)2As2/Fe thin film. *Journal of Physics: Conference Series*, **2014**, 507, 012004 | 0.3 | |
| 136 | Pulsed laser deposition of thick BaHfO3-doped YBa2Cu307-□ilms on highly alloyed textured Ni-W tapes. *Journal of Physics: Conference Series*, **2014**, 507, 022032 | 0.3 | 5 |
| 135 | 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, 122603 | 3.4 | 20 |
| 134 | Highly textured oxypnictide superconducting thin films on metal substrates. *Applied Physics Letters*, **2014**, 105, 172602 | 3.4 | 21 |
| 133 | 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 | 6.7 | 5 |
| 132 | Intra-gap Absorption in Superconducting Ba(Fe1□ Co x )2As2 Thin Films Studied by a Fabry□□ot Resonant Technique. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1227-1231 | 1.5 | 5 |
| 131 | Surface transport properties of Fe-based superconductors: The influence of degradation and inhomogeneity. *Applied Physics Letters*, **2013**, 103, 052601 | 3.4 | 20 |

| | | | |
|---|---|---|---|
| 130 | Strain induced superconductivity in the parent compound BaFe2As2. *Nature Communications*, **2013**, 4, 2877 | 17.4 | 51 |
| 129 | Infrared Photo-Response of Fe-Shunted Ba-122 Thin Film Microstructures. *IEEE Transactions on Applied Superconductivity*, **2013**, 23, 7501105-7501105 | 1.8 | 2 |
| 128 | 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 | 1.5 | 4 |
| 127 | Bicrystalline Grain Boundary and Hybrid SNS Junctions Based on Ba-122 Thin Films. *IEEE Transactions on Applied Superconductivity*, **2013**, 23, 7300104-7300104 | 1.8 | 17 |
| 126 | BaFe2As2/Fe Bilayers with [001]-tilt Grain Boundary on MgO and SrTiO3 Bicrystal Substrates. *Physics Procedia*, **2013**, 45, 189-192 | | 10 |
| 125 | Fe/Ba(Fe1−xCox)2As2 multilayers and quasi-multilayers with Tc = 29 K. *Physica C: Superconductivity and Its Applications*, **2013**, 494, 185-188 | 1.3 | 10 |
| 124 | Versatile fluoride substrates for Fe-based superconducting thin films. *Applied Physics Letters*, **2013**, 102, 142601 | 3.4 | 44 |
| 123 | Electronic phase diagram of disordered Co doped BaFe2As2□*Superconductor Science and Technology*, **2013**, 26, 025014 | 3.1 | 25 |
| 122 | One-dimensional pinning behavior in Co-doped BaFe2As2 thin films. *Applied Physics Letters*, **2013**, 103, 232601 | 3.4 | 2 |
| 121 | Intrinsic pinning and the critical current scaling of clean epitaxial Fe(Se,Te) thin films. *Physical Review B*, **2013**, 87, | 3.3 | 42 |
| 120 | Doping and critical-temperature dependence of the energy gaps in Ba(Fe1−xCox)2As2 thin films. *Physical Review B*, **2013**, 88, | 3.3 | 11 |
| 119 | Oxypnictide SmFeAs(O,F) superconductor: a candidate for high-field magnet applications. *Scientific Reports*, **2013**, 3, 2139 | 4.9 | 39 |
| 118 | ISS2011 Development of iron-based superconducting devices. *Physics Procedia*, **2012**, 27, 296-299 | | 7 |
| 117 | Planar hybrid superconductor-normal metal-superconductor thin film junctions based on BaFe1.8Co0.2As2. *Physica C: Superconductivity and Its Applications*, **2012**, 478, 15-18 | 1.3 | 14 |
| 116 | Josephson and Tunneling Junctions with Thin Films of Iron based Superconductors. *Physics Procedia* , **2012**, 36, 82-87 | | 4 |
| 115 | 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 | 1.3 | 2 |
| 114 | Observation of multiple superconducting gaps in the infrared reflectivity spectra of Ba(Fe0.9Co0.1)2As2. *JETP Letters*, **2012**, 94, 719-722 | 1.2 | 9 |
| 113 | The influence of the buffer layer architecture on transport properties for BaFe1.8Co0.2As2 films on technical substrates. *Applied Physics Letters*, **2012**, 100, 122602 | 3.4 | 25 |

| | | | |
|---|---|---|---|
| 112 | Edge-type Josephson junctions with Co-doped Ba-122 thin films. *Superconductor Science and Technology*, **2012**, 25, 084020 | 3.1 | 27 |
| 111 | Architecture, microstructure andJcanisotropy of highly oriented biaxially textured Co-doped BaFe2As2on Fe/IBAD-MgO-buffered metal tapes. *Superconductor Science and Technology*, **2012**, 25, 084019 | 3.1 | 44 |
| 110 | Changes in the in- and out-of-plane magnetic susceptibility of YBCO crystals with temperature and hole content. *Europhysics Letters*, **2012**, 98, 57011 | 1.6 | 5 |
| 109 | Microstructure and trapped field of Al-doped GdBCO□Ag bulk superconductors. *Superconductor Science and Technology*, **2012**, 25, 025023 | 3.1 | 2 |
| 108 | Critical current scaling and anisotropy in oxypnictide superconductors. *Physical Review Letters*, **2011**, 106, 137001 | 7.4 | 56 |
| 107 | Generic Fe buffer layers for Fe-based superconductors: Epitaxial FeSe1□Tex thin films. *Applied Physics Letters*, **2011**, 99, 202503 | 3.4 | 42 |
| 106 | Epitaxial Growth of Superconducting Ba(Fe1-xCox)2As2Thin Films on Technical Ion Beam Assisted Deposition MgO Substrates. *Applied Physics Express*, **2011**, 4, 013103 | 2.4 | 73 |
| 105 | Two-band BCS mechanism of superconductivity in a Ba(Fe0.9Co0.1)2As2 high-temperature superconductor. *JETP Letters*, **2011**, 93, 736-742 | 1.2 | 2 |
| 104 | $J_{rm c}$ Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 2887-2890 | 1.8 | 20 |
| 103 | Critical current densities in ultrathin Ba(Fe,Co)2As2 microbridges. *Physical Review B*, **2011**, 83, | 3.3 | 25 |
| 102 | Two-band Bardeen-Cooper-Schrieffer superconducting state of the iron pnictide compound Ba(Fe0.9Co0.1)2As2. *Physical Review B*, **2011**, 83, | 3.3 | 24 |
| 101 | Thickness dependence of structural and transport properties of Co-doped BaFe2As2on Fe buffered MgO substrates. *Superconductor Science and Technology*, **2011**, 24, 125009 | 3.1 | 20 |
| 100 | Recycling of multi-grain, melt processed bulk (RE)BCO superconductors. *Superconductor Science and Technology*, **2010**, 23, 065012 | 3.1 | 9 |
| 99 | Top seeded melt growth of GdBa□Cu□O single grain superconductors. *Superconductor Science and Technology*, **2010**, 23, 034008 | 3.1 | 25 |
| 98 | Irreversibility field up to 42 T of GdBa2Cu3O7-□thin films grown by PLD and its dependence on deposition parameters. *Superconductor Science and Technology*, **2010**, 23, 105017 | 3.1 | 10 |
| 97 | Direct observation of the superconducting energy gap in the optical conductivity of the iron pnictide superconductor Ba(Fe0.9Co0.1)2As2. *Physical Review B*, **2010**, 81, | 3.3 | 60 |
| 96 | Highly anisotropic energy gap in superconducting Ba(Fe0.9Co0.1)2As2 from optical conductivity measurements. *Physical Review B*, **2010**, 82, | 3.3 | 46 |
| 95 | BaFe1.8Co0.2As2 thin film hybrid Josephson junctions. *Applied Physics Letters*, **2010**, 97, 172504 | 3.4 | 50 |

| | | | |
|---|---|---|---|
| 94 | Scaling behavior of the critical current in clean epitaxial Ba(Fe1−xCox)2As2 thin films. *Physical Review B*, **2010**, 81, | 3.3 | 70 |
| 93 | THE GENERATION OF HIGH TRAPPED FIELDS IN BULK (RE)BCO HIGH TEMPERATURE SUPERCONDUCTORS **2010**, | | 3 |
| 92 | Epitaxial LaFeAsO1−xFxthin films grown by pulsed laser deposition. *Superconductor Science and Technology*, **2010**, 23, 022002 | 3.1 | 39 |
| 91 | Reversible shift in the superconducting transition for La1.85Sr0.15CuO4and BaFe1.8Co0.2As2using piezoelectric substrates. *New Journal of Physics*, **2010**, 12, 103030 | 2.9 | 26 |
| 90 | Coherent interfacial bonding on the FeAs tetrahedron in Fe/Ba(Fe1−xCox)2As2 bilayers. *Applied Physics Letters*, **2010**, 97, 022506 | 3.4 | 53 |
| 89 | Influence of Fe buffer thickness on the crystalline quality and the transport properties of Fe/Ba(Fe1−xCox)2As2 bilayers. *Applied Physics Letters*, **2010**, 97, 172507 | 3.4 | 51 |
| 88 | Fabrication of superconducting oxypnictide thin films. *Europhysics Letters*, **2010**, 90, 57005 | 1.6 | 18 |
| 87 | Effect of addition of planetary milled Gd-211 on the microstructures and superconducting properties of air-processed single grain GdBaCuO/Ag bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 1153-1157 | 1.3 | 4 |
| 86 | Batch-processed GdBCOAg bulk superconductors fabricated using generic seeds with high trapped fields. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 685-688 | 1.3 | 55 |
| 85 | Processing and properties of large grain YBaCuO containing Y2Ba4CuWOy and Ag second phase inclusions. *Journal of Applied Physics*, **2009**, 106, 063921 | 2.5 | 3 |
| 84 | Structural and pinning properties of Y2Ba4CuMOy(M = Nb,Zr)/YBa2Cu3O7quasi-multilayers fabricated by off-axis pulsed laser deposition. *Superconductor Science and Technology*, **2009**, 22, 105004 | 3.1 | 16 |
| 83 | The influence of Gd-2411(Nb) on the superconducting properties of GdBCO/Ag single grains. *Superconductor Science and Technology*, **2009**, 22, 075025 | 3.1 | 14 |
| 82 | Control of Y2BaCuO5particle formation in bulk, single grain YBaCuO. *Superconductor Science and Technology*, **2009**, 22, 065011 | 3.1 | 13 |
| 81 | The effect of very high barium content in the precursor on the properties of GdBCO single grain bulk superconductors. *Journal of Materials Research*, **2009**, 24, 10-18 | 2.5 | 8 |
| 80 | Fabrication of high performance Y-123/Y-24Nb1/Ag single grain composites. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 1173-1177 | 1.3 | 12 |
| 79 | Recycling process for 123-type bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 1153-1156 | 1.3 | 9 |
| 78 | Fabrication of high performance GdBaCuO single grains in air using a practical melt processing technique. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 1146-1152 | 1.3 | 8 |
| 77 | Strong Tc dependence for strained epitaxial Ba(Fe1−xCox)2As2 thin films. *Applied Physics Letters*, **2009**, 95, 192501 | 3.4 | 102 |

| | | | |
|---|---|---|---|
| 76 | Single domain YBCO/Ag bulk superconductors fabricated by seeded infiltration and growth. *Journal of Physics: Conference Series*, **2008**, 97, 012105 | 0.3 | 4 |
| 75 | Thermal conductivity of ErBaCuO and HoBaCuO superconducting bulks. *Superconductor Science and Technology*, **2008**, 21, 085001 | 3.1 | 2 |
| 74 | 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 | 3 |
| 73 | Processing of bulk SmBaCuO nano-composite superconductors. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1340-1344 | 1.3 | 9 |
| 72 | The possibility of negative substitution (x) in melt-processed Gd1+xBa2−xCu3O7−δ GdBCO bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1408-1410 | 1.3 | 3 |
| 71 | The microstructure and properties of single grain bulk Ag-doped YBaCuO fabricated by seeded infiltration and growth. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1387-1390 | 1.3 | 8 |
| 70 | Anisotropic thermal conductivity of ErBaCuO bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1428-1430 | 1.3 | 2 |
| 69 | Influence of Sm2Ba4CuBiOy phase content on Jc of SmBa2Cu3O7/Sm2Ba4CuBiOy nano-composites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology* , **2008**, 151, 21-24 | 3.1 | 5 |
| 68 | The effect of Ag and Y-24W1 addition on the microstructure and superconducting properties of single grain YBaCuO. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2008**, 151, 40-46 | 3.1 | 6 |
| 67 | 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 | 3.1 | 9 |
| 66 | 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 | 1.8 | 22 |
| 65 | Bulk Superconducting Nano-Composites With High Critical Currents. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2953-2956 | 1.8 | 10 |
| 64 | Phase stability of MgO-doped NdBaCuO seed crystals for cold-seeded, OCMG processing. *Physica C: Superconductivity and Its Applications*, **2007**, 463-465, 340-343 | 1.3 | 3 |
| 63 | Properties of GdBCO bulk superconductors melt-processed in air using a Mg-doped NdBaCuO generic seed crystal. *Superconductor Science and Technology*, **2007**, 20, 38-43 | 3.1 | 34 |
| 62 | Silver-doped YBaCuO bulk superconductors fabricated by seeded infiltration and growth. *Superconductor Science and Technology*, **2007**, 20, 1065-1070 | 3.1 | 16 |
| 61 | Strongly Coupled Artificial Bulk HTS Grain Boundaries With High Critical Current Densities. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 2949-2952 | 1.8 | 19 |
| 60 | Flux pinning in melt-processed nanocomposite single-grain superconductors. *Superconductor Science and Technology*, **2007**, 20, S141-S146 | 3.1 | 21 |
| 59 | YBa2Cu3O7−δ/Y2Ba4CuMOysingle grain nanocomposite superconductors with high critical current densities. *Superconductor Science and Technology*, **2006**, 19, S461-S465 | 3.1 | 40 |

| | | | |
|---|---|---|---|
| 58 | Seeded infiltration and growth of single-domain GdBaCuO bulk superconductors using a generic seed crystal. *Superconductor Science and Technology*, **2006**, 19, S478-S485 | 3.1 | 39 |
| 57 | GdBaCuO bulk superconductors fabricated by a seeded infiltration growth technique under reduced oxygen partial pressure. *Superconductor Science and Technology*, **2006**, 19, 641-647 | 3.1 | 27 |
| 56 | A practical processing method for the fabrication of high performance, single grain (LRE)-BaCuO superconductors. *Superconductor Science and Technology*, **2006**, 19, S510-S516 | 3.1 | 11 |
| 55 | Nano-composite single grain YBa2Cu3O7-δ/Y2Ba4CuBiOybulk superconductors. *Journal of Physics: Conference Series*, **2006**, 43, 377-380 | 0.3 | 9 |
| 54 | The effect of Y-211 precursor particle size on the microstructure and properties of YBaCuO bulk superconductors fabricated by seeded infiltration and growth. *Superconductor Science and Technology*, **2006**, 19, 711-718 | 3.1 | 46 |
| 53 | Mg-doped Nd-Ba-Cu-O generic seed crystals for the top-seeded melt growth of large-grain (rare earth)-Ba-Cu-O bulk superconductors. *Journal of Materials Research*, **2006**, 21, 1355-1362 | 2.5 | 15 |
| 52 | 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 |
| 51 | 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 |
| 50 | High-performance single grain YBaCuO bulk superconductor fabricated by seeded infiltration and growth. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 277-281 | 1.3 | 17 |
| 49 | The effect of seed orientation and separation on the field trapping properties of multi-seeded, melt processed YBaCuO. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 382-386 | 1.3 | 16 |
| 48 | Processing of high performance (LRE)-BaCuO large, single-grain bulk superconductors in air. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 286-290 | 1.3 | 21 |
| 47 | Enhanced magnetic flux pinning in nano-composite YBaCuO superconductors. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 353-356 | 1.3 | 22 |
| 46 | The influence of NdBaCuMgO generic seed crystal composition on Tc of seeded, bulk (RE)BaCuO grains. *Physica C: Superconductivity and Its Applications*, **2006**, 445-448, 295-298 | 1.3 | 2 |
| 45 | The effect of size, morphology and crystallinity of seed crystals on the nucleation and growth of YBaCuO single-grain superconductors. *Superconductor Science and Technology*, **2005**, 18, 64-72 | 3.1 | 23 |
| 44 | Seeded infiltration and growth of large, single domain YBaCuO bulk superconductors with very high critical current densities. *Superconductor Science and Technology*, **2005**, 18, 1421-1427 | 3.1 | 95 |
| 43 | Processing of large, single grain YBa2Cu3O7-δ/Y2BaCuO5/Y2Ba4CuNbOy bulk composites. *Physica C: Superconductivity and Its Applications*, **2005**, 426-431, 520-526 | 1.3 | 13 |
| 42 | A practical route for the fabrication of large single-crystal (RE)-Ba-Cu-O superconductors. *Nature Materials*, **2005**, 4, 476-80 | 27 | 111 |
| 41 | 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 | 1.4 | 13 |

| | | | |
|---|---|---|---|
| 40 | Irreversible field determined by pulsed magnetization and compositional fluctuation of melt-processed (Sm,Eu,Gd)Ba2Cu3O7δ superconductors. *Superconductor Science and Technology*, **2005**, 18, 58-63 | 3.1 | 7 |
| 39 | The effect of the addition of zirconium-containing compounds on the microstructure and superconducting properties of mono-domain YBaCuO bulk superconductors. *Superconductor Science and Technology*, **2005**, 18, 704-709 | 3.1 | 11 |
| 38 | Fabrication of high performance light rare earth based single-grain superconductors in air. *Applied Physics Letters*, **2005**, 87, 202506 | 3.4 | 44 |
| 37 | The effect of nano-size ZrO2powder addition on the microstructure and superconducting properties of single-domain YBaCuO bulk superconductors. *Superconductor Science and Technology*, **2005**, 18, 249-254 | 3.1 | 35 |
| 36 | Large single grain (RE)-Ba-Cu-O superconductors with nano-phase inclusions. *IEEE Transactions on Applied Superconductivity*, **2005**, 15, 3090-3093 | 1.8 | 7 |
| 35 | Joining of YBaCuO/Ag bulk superconductors using ErBaCuO/Ag solder. *Superconductor Science and Technology*, **2004**, 17, S46-S50 | 3.1 | 7 |
| 34 | Mechanical properties of YBaCuO blocks welded by silver added YBaCuO solder. *Physica C: Superconductivity and Its Applications*, **2004**, 412-414, 678-682 | 1.3 | 3 |
| 33 | Joining of different YBaCuO blocks. *Physica C: Superconductivity and Its Applications*, **2004**, 402, 119-126 | 1.3 | 11 |
| 32 | Superconducting properties and microstructures of Er´Ba´Cu´O superconductor. *Superconductor Science and Technology*, **2003**, 16, 699-706 | 3.1 | 5 |
| 31 | The crystallization in the welding region for YBaCuO bulk superconductors. *Physica C: Superconductivity and Its Applications*, **2003**, 386, 495-499 | 1.3 | 1 |
| 30 | Current distribution in the welded YBCO bulk material. *Physica C: Superconductivity and Its Applications*, **2003**, 388-389, 413-414 | 1.3 | 1 |
| 29 | Thermal conductivity of superconducting joint of YBaCuO bulk materials. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 669-672 | 1.3 | |
| 28 | Welding of different YBaCuO blocks. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 437-440 | 1.3 | 5 |
| 27 | Mechanical properties of YBaCuO blocks welded by ErBaCuO solder. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 673-676 | 1.3 | 6 |
| 26 | Superconducting joint of YBaCuO superconductors using ErBaCuO solder. *Physica C: Superconductivity and Its Applications*, **2002**, 370, 53-58 | 1.3 | 32 |
| 25 | Superconducting properties of NdBaCuO fabricated in air. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 1152-1154 | 1.3 | 7 |
| 24 | Strong coupled joint for YBaCuO superconductors using a sintered ErBaCuO solder. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 622-626 | 1.3 | 6 |
| 23 | Effect of the surface orientation on the microstructure of bulk YBaCuO joint. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 641-645 | 1.3 | 3 |

| | | | |
|---|---|---|---|
| 22 | Engineering of JcB characteristics of REBaCuO melt-textured superconductors. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 707-712 | 1.3 | 6 |
| 21 | Fabrication and evaluation of superconducting bearing module for 10 kWh flywheel. *Physica C: Superconductivity and Its Applications*, **2002**, 378-381, 883-887 | 1.3 | 9 |
| 20 | 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 | 3.1 | 33 |
| 19 | 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 | 3.1 | 2 |
| 18 | YBCO bulk of the superconducting bearing for a 10 kWh flywheel. *Superconductor Science and Technology*, **2002**, 15, 842-845 | 3.1 | 28 |
| 17 | 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 |
| 16 | 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 | 0.4 | |
| 15 | Refinement of Nd4Ba2Cu2O10 particle in the superconducting matrix. *Physica C: Superconductivity and Its Applications*, **2001**, 350, 115-126 | 1.3 | 4 |
| 14 | 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 | 1.3 | 4 |
| 13 | The fabrication of SmBa2Cu3Oy bulk superconductor using (Nd,Sm)422 in air. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 681-684 | 1.3 | 3 |
| 12 | Effect of CeO2 addition on microstructure and magnetic properties in (Nd,Eu,Gd)BaCuO. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 665-668 | 1.3 | 8 |
| 11 | Phonon scattering by 211 second phase grains in high Tc 123 bulk materials. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 747-750 | 1.3 | 1 |
| 10 | Relationship between undercooling and growth rate of Nd123/Ag in air. *Physica C: Superconductivity and Its Applications*, **2001**, 357-360, 677-680 | 1.3 | 5 |
| 9 | Microstructure of (Nd, Eu, Gd)-123 matrix with (Nd, Eu, Gd)-211 inclusions. *Journal of Materials Research*, **2001**, 16, 407-412 | 2.5 | 4 |
| 8 | Refinement of Nd-422 particles in Nd-Ba-Cu-O bulk superconductor. *IEEE Transactions on Applied Superconductivity*, **2001**, 11, 3529-3532 | 1.8 | 2 |
| 7 | Melt processing of binary (Nd, Eu)-Ba-Cu-O superconductors. *Superconductor Science and Technology*, **2000**, 13, 683-687 | 3.1 | 3 |
| 6 | Pseudo-binary phase diagram along NdBa2Cu3Oy-Ba3Cu5OzunderpO2of 0.01 atm. *Superconductor Science and Technology*, **2000**, 13, 1322-1326 | 3.1 | 1 |
| 5 | Superconducting properties of large grain (Sm, Gd)-Ba-Cu-O blocks. *Superconductor Science and Technology*, **2000**, 13, 679-682 | 3.1 | 7 |

| | | |
|---|---|---|
| 4 | Melt growth of Ag doped Gd-Ba-Cu-O bulk superconductors by using Nd-Ba-Cu-O seed crystal **2000**, 461-463 | |
| 3 | Flux Pinning in Melt-Processed (Nd0.25Sm0.25Eu0.25Gd0.25) Ba2Cu3Oy Superconductors **2000**, 491-493 | |
| 2 | Hgh-Performance Ferrite Magnets: M-Type Sr-Ferrite Containing Lanthanum and Cobalt.. *Journal of the Magnetics Society of Japan*, **1999**, 23, 1093-1096 | 74 |
| 1 | Magnetocrystalline Anisotropy of M-Type Sr-Ferrite Containing Lanthanum and Cobalt.. *Journal of the Magnetics Society of Japan*, **1999**, 23, 1097-1100 | 18 |