

# Hiraku Ogino

## List of Publications by Citations

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164  
papers

3,177  
citations

29  
h-index

52  
g-index

175  
ext. papers

3,497  
ext. citations

2.6  
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4.63  
L-index

| #   | Paper                                                                                                                                                                                                                                                                      | IF   | Citations |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 164 | Growth of the 2-in-size bulk ZnO single crystals by the hydrothermal method. <i>Journal of Crystal Growth</i> , <b>2004</b> , 260, 166-170                                                                                                                                 | 1.6  | 326       |
| 163 | Superconductivity at 17 K in (Fe <sub>2</sub> P <sub>2</sub> )(Sr <sub>4</sub> Sc <sub>2</sub> O <sub>6</sub> ): a new superconducting layered pnictide oxide with a thick perovskite oxide layer. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 075008 | 3.1  | 204       |
| 162 | Photo- and radioluminescence of Pr-doped Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> single crystal. <i>Physica Status Solidi A</i> , <b>2005</b> , 202, R4-R6                                                                                                         |      | 160       |
| 161 | Hydrothermal synthesis of MoS <sub>2</sub> nanowires. <i>Journal of Crystal Growth</i> , <b>2003</b> , 250, 418-422                                                                                                                                                        | 1.6  | 150       |
| 160 | Antisite defect-free Lu <sub>3</sub> (GaAl <sub>1-x</sub> ) <sub>5</sub> O <sub>12</sub> :Pr scintillator. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 141916                                                                                                       | 3.4  | 133       |
| 159 | Pr <sup>3+</sup> -doped complex oxide single crystal scintillators. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 055113                                                                                                                                   |      | 118       |
| 158 | Growth and scintillation properties of Pr-doped Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 287, 335-338                                                                                                    | 1.6  | 109       |
| 157 | Scintillation characteristics of Pr-doped Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 292, 239-242                                                                                                   | 1.6  | 107       |
| 156 | A new layered iron arsenide superconductor: (Ca,Pr)FeAs <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 846-9                                                                                                                          | 16.4 | 92        |
| 155 | Fast 5d-d-f luminescence of Pr <sup>3+</sup> in Lu <sub>2</sub> SiO <sub>5</sub> single crystal host. <i>Chemical Physics Letters</i> , <b>2005</b> , 410, 218-221                                                                                                         | 3.1  | 76        |
| 154 | Homologous series of iron pnictide oxide superconductors (Fe <sub>2</sub> As <sub>2</sub> )[Ca <sub>n+1</sub> (Sc,Ti) <sub>n</sub> O <sub>y</sub> ] (n=3,4,5) with extremely thick blocking layers. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 072506              | 3.4  | 71        |
| 153 | New iron-based arsenide oxides (Fe <sub>2</sub> As <sub>2</sub> )(Sr <sub>4</sub> M <sub>2</sub> O <sub>6</sub> )(M = Sc, Cr). <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 085001                                                                     | 3.1  | 69        |
| 152 | New Candidates for Superconductors; A Series of Layered Oxysulfides (Cu <sub>2</sub> S <sub>2</sub> )(Sr <sub>n+1</sub> M <sub>n</sub> O <sub>3n</sub> ). <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 729-733                                           | 1.3  | 58        |
| 151 | A new homologous series of iron pnictide oxide superconductors (Fe <sub>2</sub> As <sub>2</sub> )(Ca <sub>n+2</sub> (Al, Ti) <sub>n</sub> O <sub>y</sub> ) (n= 2, 3, 4). <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 115005                           | 3.1  | 56        |
| 150 | Superconductivity Above 40 K Observed in a New Iron Arsenide Oxide (Fe <sub>2</sub> As <sub>2</sub> )(Ca <sub>4</sub> (Mg,Ti) <sub>3</sub> O <sub>y</sub> ). <i>Applied Physics Express</i> , <b>2010</b> , 3, 063103                                                      | 2.4  | 56        |
| 149 | Scintillator Materials: Achievements, Opportunities, and Puzzles. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1035-1041                                                                                                                                | 1.7  | 56        |
| 148 | Growth and optical properties of Lu <sub>3</sub> (Ga,Al) <sub>5</sub> O <sub>12</sub> single crystals for scintillator application. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 908-911                                                                          | 1.6  | 54        |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 147 | Crystal Growth and Scintillation Properties of 2-Inch-Diameter $\text{Pr}_{1-x}\text{Lu}_x\text{Al}_5\text{O}_{12}$ (Pr:LuAG) Single Crystal. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1488-1491                                                                             | 1.7 | 48 |
| 146 | Superconductivity in a new iron pnictide oxide $(\text{Fe}_2\text{As}_2)(\text{Sr}_4(\text{Mg}, \text{Ti})_2\text{O}_6)$ . <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 045001                                                                                                  | 3.1 | 46 |
| 145 | Tri-axial Grain Orientation of $\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_y$ Achieved by the Magneto-science Method. <i>Applied Physics Express</i> , <b>2011</b> , 4, 111701                                                                                                                        | 2.4 | 44 |
| 144 | New Iron Arsenide Oxides $(\text{Fe}_2\text{As}_2)(\text{Sr}_4(\text{Sc}, \text{Ti})_3\text{O}_8)$ , $(\text{Fe}_2\text{As}_2)(\text{Ba}_4\text{Sc}_3\text{O}_{7.5})$ , and $(\text{Fe}_2\text{As}_2)(\text{Ba}_3\text{Sc}_2\text{O}_5)$ . <i>Applied Physics Express</i> , <b>2010</b> , 3, 063102 | 2.4 | 43 |
| 143 | Contrasting Pressure Effects in $\text{Sr}_2\text{VFeAsO}_3$ and $\text{Sr}_2\text{ScFePO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 123707                                                                                                                          | 1.5 | 40 |
| 142 | Doping-dependent critical current properties in K, Co, and P-doped $\text{BaFe}_2\text{As}_2$ single crystals. <i>Physical Review B</i> , <b>2017</b> , 95,                                                                                                                                         | 3.3 | 39 |
| 141 | Strongly connected <i>ex situ</i> $\text{MgB}_2$ polycrystalline bulks fabricated by solid-state self-sintering. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 115022                                                                                                            | 3.1 | 37 |
| 140 | Synthesis and physical properties of $\text{Ca}_{1-x}\text{RE}_x\text{FeAs}_2$ with RE = La, Nd. <i>Applied Physics Express</i> , <b>2014</b> , 7, 073102                                                                                                                                           | 2.4 | 33 |
| 139 | Magnetic orientation and magnetic anisotropy in paramagnetic layered oxides containing rare-earth ions. <i>Science and Technology of Advanced Materials</i> , <b>2009</b> , 10, 014604                                                                                                              | 7.1 | 33 |
| 138 | . <i>IEEE Transactions on Nuclear Science</i> , <b>2009</b> , 56, 570-573                                                                                                                                                                                                                           | 1.7 | 31 |
| 137 | Growth and optical properties of Yb doped new scintillator crystals. <i>Optical Materials</i> , <b>2003</b> , 24, 275-279                                                                                                                                                                           | 3.3 | 31 |
| 136 | Generation of terahertz radiation using zinc oxide as photoconductive material excited by ultraviolet pulses. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 261112                                                                                                                             | 3.4 | 30 |
| 135 | Unique defect structure and advantageous vortex pinning properties in superconducting $\text{CaKFe}_4\text{As}_4$ . <i>Npj Quantum Materials</i> , <b>2019</b> , 4,                                                                                                                                 | 5   | 28 |
| 134 | . <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7300605-7300605                                                                                                                                                                                                         | 1.8 | 26 |
| 133 | Thermal conductivity of $\text{PrRh}_4\text{B}_2$ , a layered boride compound. <i>APL Materials</i> , <b>2017</b> , 5, 126103                                                                                                                                                                       | 5.7 | 22 |
| 132 | Rare-Earth-Dependent Magnetic Anisotropy in $\text{REBa}_2\text{Cu}_3\text{O}_y$ . <i>Applied Physics Express</i> , <b>2008</b> , 1, 031701                                                                                                                                                         | 2.4 | 21 |
| 131 | Growth and Luminescence Properties of Pr-doped $\text{Lu}_3(\text{Ga}, \text{Al})_5\text{O}_{12}$ Single Crystals. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 3514-3517                                                                                                         | 1.4 | 21 |
| 130 | Crystal growth of Yb <sup>3+</sup> -doped oxide single crystals for scintillator application. <i>Journal of Crystal Growth</i> , <b>2003</b> , 250, 94-99                                                                                                                                           | 1.6 | 21 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 129 | Growth and scintillation properties of Yb-doped Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> crystals. <i>Journal of Crystal Growth</i> , <b>2003</b> , 253, 314-318                                                         | 1.6  | 21 |
| 128 | Co and Mn doping effect in polycrystalline (Ca,La) and (Ca,Pr)FeAs <sub>2</sub> superconductors. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 065001                                                        | 3.1  | 20 |
| 127 | Growth and characterization of Yb <sup>3+</sup> doped garnet crystals for scintillator application. <i>Optical Materials</i> , <b>2004</b> , 26, 535-539                                                                        | 3.3  | 20 |
| 126 | Effects of Mn and Ni doping on the superconductivity of SmFeAs(O,F). <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 494, 57-61                                                                        | 1.3  | 16 |
| 125 | High-Pressure Synthesis of A NiO Ag Se (A=Sr, Ba) with a High-Spin Ni in Square-Planar Coordination. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 756-759                                               | 16.4 | 16 |
| 124 | New Series of Nickel-Based Pnictide Oxide Superconductors (Ni <sub>2</sub> Pn <sub>2</sub> )(Sr <sub>4</sub> Sc <sub>2</sub> O <sub>6</sub> ) (Pn= P, As). <i>Applied Physics Express</i> , <b>2009</b> , 2, 063007             | 2.4  | 15 |
| 123 | Energy Transfer to Pr <sup>3+</sup> Ions in Pr:Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> (LuAG) Single Crystals. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1372-1375                                | 1.7  | 15 |
| 122 | Study on crystal growth and luminescence properties of Pr-doped RE <sub>2</sub> SiO <sub>5</sub> (RE=Y, Lu). <i>Journal of Crystal Growth</i> , <b>2006</b> , 287, 309-312                                                      | 1.6  | 15 |
| 121 | Topotactic synthesis of a new BiS <sub>2</sub> -based superconductor Bi <sub>2</sub> (O,F)S <sub>2</sub> . <i>Applied Physics Express</i> , <b>2015</b> , 8, 023102                                                             | 2.4  | 14 |
| 120 | Structural features of layered iron pnictide oxides (Fe <sub>2</sub> As <sub>2</sub> )(Sr <sub>4</sub> M <sub>2</sub> O <sub>6</sub> ). <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S280-S281 | 1.3  | 14 |
| 119 | Growth and spectroscopic properties of Er:YAG crystalline fibers. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, 534-540                                                                                                 | 1.6  | 14 |
| 118 | Electronic structure of (Ca <sub>0.85</sub> La <sub>0.15</sub> )FeAs <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2015</b> , 106, 052602                                                                                  | 3.4  | 13 |
| 117 | Superconductivity in a New 1144-Type Family of (La,Na)AF <sub>2</sub> As (A = Rb or Cs). <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 868-873                                                                | 6.4  | 13 |
| 116 | 3-Dimensional Grain Orientation of RE-Ba-Cu-O Superconductors Using a Modulated Oval Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2961-2964                                        | 1.8  | 13 |
| 115 | Crystal growth and scintillation properties of YAlO <sub>3</sub> :Pr co-doped with Mo <sup>3+</sup> and Ga <sup>3+</sup> ions. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 537-540                                    | 1.6  | 13 |
| 114 | Self-sintering-assisted high intergranular connectivity in ball-milled ex situ MgB <sub>2</sub> bulks. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 114001                                                  | 3.1  | 12 |
| 113 | Suppression of defect related host luminescence in LuAG single crystals. <i>Physics Procedia</i> , <b>2009</b> , 2, 191-205                                                                                                     |      | 12 |
| 112 | Novel functions of silver on superconducting properties for RE <sub>123</sub> melt-solidified bulks. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012007                                                    | 0.3  | 12 |

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| 111 | Crystal growth, optical and luminescence properties of Pr-doped Y2SiO5 single crystals. <i>Optical Materials</i> , <b>2007</b> , 29, 1381-1384                                                                           | 3.3 | 12 |
| 110 | Microstructures and improved Jc characteristics of Cl-containing YBCO thin films prepared by the fluorine-free MOD method. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 015006                       | 3.1 | 11 |
| 109 | A new iron pnictide oxide (Fe2As2)(Ca5(Mg, Ti)4Oy) and a new phase in the FeAsCaMgTiO system. <i>Superconductor Science and Technology</i> , <b>2011</b> , 24, 085020                                                    | 3.1 | 11 |
| 108 | Chemical (Sr,Co)-doping effect on critical current density for Dy123 melt-solidified bulks. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 151, 69-73         | 3.1 | 11 |
| 107 | Dramatic effects of chlorine doping on Jc and microstructure of fluorine-free MOD Y123 thin films. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 095017                                               | 3.1 | 10 |
| 106 | Antiferromagnetic Order and Superconductivity in Sr4(Mg0.5-xTi0.5+x)2O6Fe2As2 with Electron Doping: 75As-NMR Study. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 053702                           | 1.5 | 10 |
| 105 | Significant enhancement of the intergrain coupling in lightly F-doped SmFeAsO superconductors. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 065006                                                   | 3.1 | 10 |
| 104 | Synthesis and the physical properties of layered copper oxytellurides Sr2TMCu2Te2O2 (TM = Mn, Co, Zn). <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12260-12266                                            | 7.1 | 10 |
| 103 | A layered wide-gap oxyhalide semiconductor with an infinite ZnO square planar sheet: SrZnOCl. <i>Chemical Communications</i> , <b>2017</b> , 53, 3826-3829                                                               | 5.8 | 9  |
| 102 | Influences of material processing on the microstructure and inter-granular current properties of polycrystalline bulk Ba(Fe,Co)2As2. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 28-32 | 1.3 | 9  |
| 101 | Growth and scintillation properties of Yb doped aluminate, vanadate and silicate single crystals. <i>Optical Materials</i> , <b>2004</b> , 26, 529-534                                                                   | 3.3 | 9  |
| 100 | Synthesis of CaKFe4As4 bulk samples with high critical current density using a spark plasma sintering technique. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094005                                 | 3.1 | 8  |
| 99  | Effects of post-annealing and cobalt co-doping on superconducting properties of (Ca,Pr)Fe2As2 single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 505, 1-5                         | 1.3 | 8  |
| 98  | Enhancement of intergranular current density of Sm-based oxypnictide superconductors with Sn addition. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 085010                                           | 3.1 | 8  |
| 97  | Understanding routes for high connectivity in situ MgB2 by self-sintering. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 044012                                                                       | 3.1 | 8  |
| 96  | Evidence for nodal superconductivity in Sr2ScFePO3. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 022001                                                                                              | 3.1 | 8  |
| 95  | Pressure Dependence of Superconducting Transition Temperature on Perovskite-Type Fe-Based Superconductors and NMR Study of Sr2VFeAsO3. <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, 014715        | 4.5 | 8  |
| 94  | Towards the Realization of Higher Connectivity in MgB2 Conductors: In-situ or Sintered Ex-situ?. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010105                                                   | 1.4 | 8  |

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| 93 | NMR investigation of the iron-based superconductors $\text{Ca}_4(\text{Mg,Ti})_3\text{Fe}_2\text{As}_2\text{O}_8$ and $\text{Ca}_5(\text{Sc,Ti})_4\text{Fe}_2\text{As}_2\text{O}_{11}$ . <i>Physical Review B</i> , <b>2012</b> , 86,                                                | 3.3 | 8 |
| 92 | Defect states in $\text{Lu}_3\text{Ga}_x\text{Al}_{5-x}\text{O}_{12}$ crystals and powders. <i>Optical Materials</i> , <b>2010</b> , 32, 1298-1301                                                                                                                                   | 3.3 | 8 |
| 91 | Suppression of Host Luminescence in the Pr:LuAG Scintillator. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1197-1200                                                                                                                                              | 1.7 | 8 |
| 90 | Scintillation properties of Yb <sup>3+</sup> -doped garnet crystals. <i>Radiation Measurements</i> , <b>2004</b> , 38, 485-488                                                                                                                                                       | 1.5 | 8 |
| 89 | Crystal growth and luminescence properties of Yb-doped aluminate, gallate, phosphate and vanadate single crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 537, 76-80 | 1.2 | 8 |
| 88 | Synthesis of Bi2223 by Low $P_{\{\text{O}_2\}}$ Sintering. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 6400604-6400604                                                                                                                                 | 1.8 | 7 |
| 87 | Systematic change of flux pinning in (Dy,RE) <sub>123</sub> and (Y,RE) <sub>123</sub> melt-solidified bulks with unit cell orthorhombicity. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 015014                                                                  | 3.1 | 7 |
| 86 | Excitonic luminescence in two-dimensionally confined layered sulfide oxides. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 191901                                                                                                                                              | 3.4 | 7 |
| 85 | Enhanced transport critical current density in Sn-added SmFeAsO <sub>1-x</sub> F <sub>x</sub> tapes prepared by the PIT method. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 065004                                                                              | 3.1 | 6 |
| 84 | Dependences on RE of superconducting properties of transition metal co-doped (Ca,RE)FeAs <sub>2</sub> with RE= La. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 14-17                                                                               | 1.3 | 6 |
| 83 | Observation of a Structure and Line Shape Evolution of Non-resonant Microwave Absorption in a SmFeAs(O, F) Polycrystalline Iron Pnictide Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 2927-2934                                       | 1.5 | 6 |
| 82 | Excellent Critical Current Properties of Dilute Sr-Doped Dy <sub>123</sub> Melt-Solidified Bulks at Low Temperatures. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3487-3490                                                                            | 1.8 | 6 |
| 81 | Improved Flux Pinning Properties of Bi-Based Superconductors by Dilute RE-Doping. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3080-3083                                                                                                                | 1.8 | 6 |
| 80 | Magnetic uni- and tri-axial grain-orientation in superconductors with layered structures. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 1056-1059                                                                                                    | 1.3 | 6 |
| 79 | Recent Progress on Mixed-Anion Materials for Energy Applications. <i>Bulletin of the Chemical Society of Japan</i> ,                                                                                                                                                                 | 5.1 | 6 |
| 78 | Synthesis, Crystal Structure, and Optical Properties of Layered Perovskite Scandium Oxychlorides: SrScOCl, SrScOCl, and BaScOCl. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5615-5623                                                                                            | 5.1 | 5 |
| 77 | Irreversibility lines of layered Fe-based superconductors with thick blocking layers. <i>Solid State Communications</i> , <b>2012</b> , 152, 640-643                                                                                                                                 | 1.6 | 5 |
| 76 | New Approaches for Enhancement of $J_{\{\text{c}\}}$ for RE <sub>123</sub> Melt-Solidified Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2706-2709                                                                                                | 1.8 | 5 |

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| 75 | True effects of microstructure and oxygen contents on flux-pinning properties of Y123 melt-solidified bulks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1404-1407                                                                | 1.3 | 5 |
| 74 | Shaped single crystal growth and scintillating application of Yb:(Gd,Lu) <sub>3</sub> (Ga,Al) <sub>5</sub> O <sub>12</sub> solid solutions. <i>Optical Materials</i> , <b>2004</b> , 26, 541-543                                                                    | 3.3 | 5 |
| 73 | Thermoelectric Properties of Nb-Doped SrTiO <sub>3</sub> /TiO <sub>2</sub> Eutectic Solids Fabricated by Unidirectional Solidification. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 1827-1832                                                        | 1.9 | 5 |
| 72 | Luminescence properties of layered mixed-anion compounds Sr <sub>2</sub> ScCuSeO <sub>3</sub> and Sr <sub>3</sub> Sc <sub>2</sub> Cu <sub>2</sub> Se <sub>2</sub> O <sub>5</sub> . <i>Optical Materials</i> , <b>2018</b> , 84, 205-208                             | 3.3 | 4 |
| 71 | Luminescence properties of layered chalcogenide oxides Ba <sub>3</sub> RE <sub>2</sub> Ag <sub>2</sub> Se <sub>2</sub> O <sub>5</sub> . <i>Optical Materials</i> , <b>2014</b> , 36, 1978-1981                                                                      | 3.3 | 4 |
| 70 | Synthesis of Denser In Situ $\text{MgB}_2$ Bulks Using $\text{MgB}_4$ Precursor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7101005-7101005                                                                                          | 1.8 | 4 |
| 69 | Pressure Effects on Superconducting Properties of the BiS <sub>2</sub> -Based Superconductor Bi <sub>2</sub> (O,F)S <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 084703                                                       | 1.5 | 4 |
| 68 | Relationship Between Crystal Structures and Physical Properties in Iron Arsenides with Perovskite-type Layers. <i>Physics Procedia</i> , <b>2012</b> , 36, 722-726                                                                                                  |     | 4 |
| 67 | Scintillation properties of Er-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> single crystals. <i>Radiation Measurements</i> , <b>2013</b> , 56, 116-119.                                                                                                     | 1.5 | 4 |
| 66 | Weak-link behaviour observed in iron-based superconductors with thick perovskite-type blocking layers. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 105020                                                                                      | 3.1 | 4 |
| 65 | Cation Nonstoichiometry in Y123 Sintered Bulks and Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2745-2748                                                                                                                  | 1.8 | 4 |
| 64 | Successive transition from superconducting to antiferromagnetic phase in (Ca <sub>6</sub> (Al, Ti) <sub>4</sub> O <sub>y</sub> )Fe <sub>2</sub> As <sub>2</sub> studied via <sup>75</sup> As and <sup>27</sup> Al NMR. <i>Physical Review B</i> , <b>2011</b> , 84, | 3.3 | 4 |
| 63 | On the possibility of MgB <sub>2</sub> -like superconductivity in potassium hexaboride. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S633-S634                                                                                     | 1.3 | 4 |
| 62 | Growth and luminescent properties of Yb <sup>3+</sup> -doped oxide single crystals for scintillator application. <i>Radiation Measurements</i> , <b>2004</b> , 38, 467-470                                                                                          | 1.5 | 4 |
| 61 | Research Update: Structural and transport properties of (Ca,La)FeAs <sub>2</sub> single crystal. <i>APL Materials</i> , <b>2016</b> , 4, 020702                                                                                                                     | 5.7 | 4 |
| 60 | Effect of non-magnetic rare earth substitution for Zr on mixed anion Zr(P, Se) <sub>2</sub> superconductors. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012002                                                                              | 0.3 | 4 |
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| 58 | Improved Superconducting Properties of YBCO Melt-Solidified Bulks by Addition of BaCuOCl. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-4                                                                                             | 1.8 | 3 |

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| 57 | Superconductivity in a Scandium Borocarbide with a Layered Crystal Structure. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15629-15636                                                                                                                   | 5.1 | 3 |
| 56 | Anomalous non-resonant microwave absorption in SmFeAs(O,F) polycrystalline sample. <i>Physica C: Superconductivity and Its Applications</i> , <b>2017</b> , 533, 49-52                                                                                     | 1.3 | 3 |
| 55 | Critical Current Properties of c-Axis Oriented Bi(Pb)2223 Bulks Sintered under High Gas Pressures. <i>Physics Procedia</i> , <b>2012</b> , 36, 665-668                                                                                                     |     | 3 |
| 54 | Field Trapping Properties of $c$ -Growth Region in RE123 Melt-Solidified Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2949-2952                                                                                        | 1.8 | 3 |
| 53 | Largely improved $J_c$ at low temperatures observed in Y123 single crystals with chemically introduced point defects. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 234, 012018                                                             | 0.3 | 3 |
| 52 | Development of c-Axis Oriented MgB <sub>2</sub> Bulks by Magnetic Field Orientation Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2010</b> , 74, 428-433                                                           | 0.4 | 3 |
| 51 | Enhanced flux pinning properties of RE123 melt-solidified bulks by dilute impurity doping. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012234                                                                                         | 0.3 | 3 |
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| 49 | Sn addition effects on CaKFe <sub>4</sub> As <sub>4</sub> superconductors. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 104004                                                                                                         | 3.1 | 3 |
| 48 | Effects of phosphorous doping on the superconducting properties of SmFeAs(O,F). <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 19-23                                                                                        | 1.3 | 2 |
| 47 | Temperature Dependence Low-Field Microwave Absorption in a Powder Sample of SmFeAs(O,F) Iron Pnictide Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 1097-1102                                                | 1.5 | 2 |
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| 41 | Synthesis, structure, and luminescence properties of layered oxychloride Ba <sub>3</sub> Y <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> . <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17162-17168                                            | 7.1 | 2 |
| 40 | Intrinsic defect structures of polycrystalline CaKFeAs superconductors. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 19827-19833                                                                                                         | 3.6 | 2 |



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| 39 | Non-Resonant Microwave Absorption in SmFeAsO 0.80 F 0.20: Line Shape and Structure Evolution with Temperature. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 2429-2434                              | 1.5  | 1 |
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| 37 | Synthesis, optical properties, and band structures of a series of layered mixed-anion compounds. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16827-16832                                    | 2.1  | 1 |
| 36 | Thermoelectric properties of FeAs based superconductors, with thick perovskite- and Sm-O fluorite-type blocking layers. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 18-22                       | 1.3  | 1 |
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| 34 | Magnetic tri-axial orientation in rare-earth-based cuprate superconductors. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2009</b> , 1, 012015                                                             | 0.4  | 1 |
| 33 | Evaluation of $J_c$ anisotropy in Nd123 single crystals. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012144                                                                                                  | 0.4  | 1 |
| 32 | Scintillation properties of 2-inch-diameter Pr: Lu3A15O12 single crystal <b>2007</b> ,                                                                                                                                            |      | 1 |
| 31 | Ruddlesden-Popper Oxychlorides Ba3Y2O5Cl2, Sr3Sc2O5Cl2, and Sr2ScO3Cl: First Examples of Oxide-Ion-Conducting Oxychlorides. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 295-304                                        | 6.1  | 1 |
| 30 | Infiltration growth processing of bulk mixed REBa2Cu3O7-x superconductors: nano-metal oxides and rare earth elements effects on microstructural properties <b>2019</b> ,                                                          |      | 1 |
| 29 | Novel normal-state low field microwave absorption in SmFeAsO1-xFx iron pnictide superconductors. <i>Solid State Communications</i> , <b>2020</b> , 307, 113800                                                                    | 1.6  | 1 |
| 28 | Single Crystal growth of mixed anion Zr(P, Se)2 superconductor and related materials. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012003                                                                   | 0.3  | 1 |
| 27 | Development of New Mixed Anion Compounds. <i>Nihon Kessho Gakkaishi</i> , <b>2018</b> , 60, 246-253                                                                                                                               | 0    | 1 |
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| 25 | Influence of fluorination on electronic states and electron transport properties of Sr2IrO4 thin films. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8268-8274                                                      | 7.1  | 0 |
| 24 | Effect of non-magnetic rare earth substitution for Zr on mixed anion Zr(P, Se)2 superconductors II. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012003                                                     | 0.3  | 0 |
| 23 | New Layered Nickel Arsenides (Ni2As2)(Ba3Sc2O5), (Ni2As2)(Ba4Sc2O6) and (Ni2As2)(Ba4Sc3O8). <i>Physics Procedia</i> , <b>2012</b> , 36, 727-730                                                                                   |      | 0 |
| 22 | Microstructure and thermoelectric properties of La-doped SrTiO3/TiO2 eutectic crystals grown by Micro-Pulling-Down method. <i>Journal of Crystal Growth</i> , <b>2022</b> , 583, 126551                                           | 1.6  | 0 |

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| 21 | Experimental and Computational Determination of Optimal Boron Content in Layered Superconductor ScCBC. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14290-14295                                                                                                        | 5.1 | ○ |
| 20 | Synthesis, Electronic Structure, and Physical Properties of Layered Oxypnictides SrScCrAsO and BaScCrAsO. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1930-1936                                                                                                       | 5.1 | ○ |
| 19 | Superconductivity in a 122-type Fe-based compound (La,Na,K)FeAs. <i>Scientific Reports</i> , <b>2018</b> , 8, 16827                                                                                                                                                      | 4.9 | ○ |
| 18 | Top-seeded infiltration growth processing of single grain (Gd, Dy)BaCuO superconductors: Nano Nb <sub>2</sub> O <sub>5</sub> doping, enhancement of trapped field and superconducting performance. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 272, 124954    | 4.4 | ○ |
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| 13 | Fabrication of Multi-Layered Thermoelectric Thick Films and their Thermoelectric Performance. <i>Key Engineering Materials</i> , <b>2009</b> , 412, 291-296                                                                                                              | 0.4 |   |
| 12 | Electric property of the iron pnictide oxide superconductor (Fe <sub>2</sub> As <sub>2</sub> )(Ca <sub>6</sub> (Al, Ti) <sub>4</sub> O <sub>y</sub> ) under hydrostatic pressure. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 391, 012126               | 0.3 |   |
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| 9  | Structural investigation of new series of nickel-based pnictide oxide superconductors (Ni <sub>2</sub> Pn <sub>2</sub> )(Sr <sub>4</sub> M <sub>2</sub> O <sub>6</sub> ) (Pn= P, As; M= Sc, V). <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 234, 012025 | 0.3 |   |
| 8  | Critical temperature and orthorhombicity of Y <sub>2</sub> Ba <sub>4</sub> Cu <sub>7</sub> O <sub>15</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S17-S18                                                                       | 1.3 |   |
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| 2 | Improved Superconducting Properties of Y123 Melt-solidified Bulks through Controlling Crystal Growth Direction and Cation Stoichiometry. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2011</b> , 46, 125-130 | 0.1 |
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