

# Hiraku Ogino

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164  
papers

3,177  
citations

29  
h-index

52  
g-index

175  
ext. papers

3,497  
ext. citations

2.6  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
164	Microstructure and thermoelectric properties of La-doped SrTiO <sub>3</sub> /TiO <sub>2</sub> eutectic crystals grown by Micro-Pulling-Down method. <i>Journal of Crystal Growth</i> , <b>2022</b> , 583, 126551	1.6	0
163	Ruddlesden-Popper Oxychlorides Ba <sub>3</sub> Y <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , Sr <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , and Sr <sub>2</sub> ScO <sub>3</sub> Cl: First Examples of Oxide-Ion-Conducting Oxychlorides. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 295-304	6.1	1
162	Synthesis of Dense MgB Superconductor via In Situ and Ex Situ Spark Plasma Sintering Method. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
161	Intrinsic defect structures of polycrystalline CaKFeAs superconductors. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 19827-19833	3.6	2
160	Synthesis, Electronic Structure, and Physical Properties of Layered Oxypnictides SrScCrAsO and BaScCrAsO. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 1930-1936	5.1	0
159	Superconductivity-driven ferromagnetism and spin manipulation using vortices in the magnetic superconductor EuRbFeAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
158	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	0
157	Effect of non-magnetic rare earth substitution for A site in mixed anion APX superconductors. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1590, 012007	0.3	
156	Influence of fluorination on electronic states and electron transport properties of Sr <sub>2</sub> IrO <sub>4</sub> thin films. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8268-8274	7.1	0
155	Synthesis of CaKFe <sub>4</sub> As <sub>4</sub> 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
154	Synthesis and physical properties of the new iridium oxyfluoride Sr <sub>2</sub> Ir(O,F) <sub>6</sub> using a topochemical reaction method. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2
153	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
152	Novel normal-state low field microwave absorption in SmFeAsO <sub>1-x</sub> F <sub>x</sub> iron pnictide superconductors. <i>Solid State Communications</i> , <b>2020</b> , 307, 113800	1.6	1
151	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
150	Experimental and Computational Determination of Optimal Boron Content in Layered Superconductor ScCBC. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14290-14295	5.1	0
149	Doping dependence of the pinning efficiency in K-doped Ba <sub>122</sub> single crystals prior to and after fast neutron irradiation. <i>Superconductor Science and Technology</i> , <b>2019</b> , 32, 094004	3.1	1
148	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

147	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe4As4. <i>Npj Quantum Materials</i> , <b>2019</b> , 4,	5	28
146	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
145	Superconductivity in a Scandium Borocarbide with a Layered Crystal Structure. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15629-15636	5.1	3
144	Infiltration growth processing of bulk mixed REBa2Cu3O7-x superconductors: nano-metal oxides and rare earth elements effects on microstructural properties <b>2019</b> ,		1
143	Thermoelectric Properties of Nb-Doped SrTiO3/TiO2 Eutectic Solids Fabricated by Unidirectional Solidification. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 1827-1832	1.9	5
142	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
141	Synthesis, Crystal Structure, and Optical Properties of Layered Perovskite Scandium Oxochlorides: SrScOCl, SrScOCl, and BaScOCl. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5615-5623	5.1	5
140	Direct observation of in-plane anisotropy of the superconducting critical current density in Ba(Fe1-xCox)2As2 crystals. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	3
139	Superconductivity in a New 1144-Type Family of (La,Na)AFeAs (A = Rb or Cs). <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 868-873	6.4	13
138	Luminescence properties of layered mixed-anion compounds Sr2ScCuSeO3 and Sr3Sc2Cu2Se2O5. <i>Optical Materials</i> , <b>2018</b> , 84, 205-208	3.3	4
137	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
136	Effect of non-magnetic rare earth substitution for Zr on mixed anion Zr(P, Se)2 superconductors. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012002	0.3	4
135	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
134	Development of New Mixed Anion Compounds. <i>Nihon Kessho Gakkaishi</i> , <b>2018</b> , 60, 246-253	0	1
133	Superconductivity in a 122-type Fe-based compound (La,Na,K)FeAs. <i>Scientific Reports</i> , <b>2018</b> , 8, 16827	4.9	0
132	Doping-dependent critical current properties in K, Co, and P-doped BaFe2As2 single crystals. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	39
131	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
130	Enhanced transport critical current density in Sn-added SmFeAsO1-xFxtapes prepared by the PIT method. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 065004	3.1	6

129	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
128	Thermal conductivity of PrRh <sub>4</sub> B <sub>2</sub> , a layered boride compound. <i>APL Materials</i> , <b>2017</b> , 5, 126103	5.7	22
127	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
126	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
125	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
124	Microstructures and improved J <sub>c</sub> 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
123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	Dramatic effects of chlorine doping on J <sub>c</sub> and microstructure of fluorine-free MOD Y123 thin films. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 095017	3.1	10
112	Effects of post-annealing and cobalt co-doping on superconducting properties of (Ca,Pr)Fe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 505, 1-5	1.3	8

111	Self-sintering-assisted high intergranular connectivity in ball-milled $\text{ex situ MgB}_2$ bulks. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 114001	3.1	12
110	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
109	Luminescence properties of layered chalcogenide oxides $\text{Ba}_3\text{RE}_2\text{Ag}_2\text{Se}_2\text{O}_5$ . <i>Optical Materials</i> , <b>2014</b> , 36, 1978-1981	3.3	4
108	Influences of material processing on the microstructure and inter-granular current properties of polycrystalline bulk $\text{Ba}(\text{Fe},\text{Co})_2\text{As}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 28-32	1.3	9
107	Effects of phosphorous doping on the superconducting properties of $\text{SmFeAs}(\text{O},\text{F})$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 19-23	1.3	2
106	Proof of High $T_c$ in 1111-Type Iron Arsenide Containing Calcium Hydride Layers. <i>JPSJ News and Comments</i> , <b>2014</b> , 11, 05	0.1	
105	Synthesis and physical properties of $\text{Ca}_{1-x}\text{RE}_x\text{FeAs}_2$ with $\text{RE} = \text{La}, \text{Ce}$ . <i>Applied Physics Express</i> , <b>2014</b> , 7, 073102	2.4	33
104	Understanding routes for high connectivity $\text{in situ MgB}_2$ by self-sintering. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 044012	3.1	8
103	Effects of Mn and Ni doping on the superconductivity of $\text{SmFeAs}(\text{O},\text{F})$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 494, 57-61	1.3	16
102	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7300605-7300605	1.8	26
101	Synthesis of $\text{Bi}_2\text{Tl}_2\text{O}_2$ by Low $P_{\text{O}_2}$ Sintering. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 6400604-6400604	1.8	7
100	Synthesis of Denser $\text{In Situ MgB}_2$ Bulks Using $\text{MgB}_4$ Precursor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7101005-7101005	1.8	4
99	Critical Current Properties of $c$ -Axis Oriented $\text{Hg}(\text{Re})_1\text{Tl}_2\text{O}_2$ Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 6800404-6800404	1.8	
98	Scintillation properties of Er-doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ single crystals. <i>Radiation Measurements</i> , <b>2013</b> , 56, 116-119.5	1.5	4
97	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
96	Significant enhancement of the intergrain coupling in lightly F-doped $\text{SmFeAsO}$ superconductors. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 065006	3.1	10
95	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
94	Determination factors of magnetic anisotropy in a layered iron-based pnictide and its related compounds. <i>Physics Procedia</i> , <b>2012</b> , 27, 164-167		

93	Antiferromagnetic Order and Superconductivity in $\text{Sr}_4(\text{Mg}_{0.5-x}\text{Ti}_{0.5+x})_2\text{O}_6\text{Fe}_2\text{As}_2$ with Electron Doping: 75As-NMR Study. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 053702	1.5	10
92	Crystal growth and scintillation properties of Ce, Pr and Eu doped $\text{La}_{2.5}\text{Lu}_{2.5}\text{Ga}_3\text{O}_{12}$ single crystals. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2012</b> , 9, 2288-2291		2
91	Critical Current Properties of c-Axis Oriented $\text{Bi}(\text{Pb})_2\text{223}$ Bulks Sintered under High Gas Pressures. <i>Physics Procedia</i> , <b>2012</b> , 36, 665-668		3
90	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
89	New Layered Nickel Arsenides $(\text{Ni}_2\text{As}_2)(\text{Ba}_3\text{Sc}_2\text{O}_5)$ , $(\text{Ni}_2\text{As}_2)(\text{Ba}_4\text{Sc}_2\text{O}_6)$ and $(\text{Ni}_2\text{As}_2)(\text{Ba}_4\text{Sc}_3\text{O}_8)$ . <i>Physics Procedia</i> , <b>2012</b> , 36, 727-730		0
88	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
87	Towards the Realization of Higher Connectivity in $\text{MgB}_2$ Conductors: In-situ or Sintered Ex-situ?. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010105	1.4	8
86	Excitonic luminescence in two-dimensionally confined layered sulfide oxides. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 191901	3.4	7
85	NMR investigation of the iron-based superconductors $\text{Ca}_4(\text{Mg},\text{Ti})_3\text{Fe}_2\text{As}_2\text{O}_8$ and $\text{Ca}_5(\text{Sc},\text{Ti})_4\text{Fe}_2\text{As}_2\text{O}_{11}$ . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	8
84	Electric property of the iron pnictide oxide superconductor $(\text{Fe}_2\text{As}_2)(\text{Ca}_6(\text{Al}, \text{Ti})_4\text{O}_y)$ under hydrostatic pressure. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 391, 012126	0.3	
83	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
82	New Approaches for Enhancement of $J_c$ for RE123 Melt-Solidified Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2706-2709	1.8	5
81	Magnetic Orientation of Superconductors With Layered Crystal Structures. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2741-2744	1.8	2
80	Pressure Dependence of Superconducting Transition Temperature on Perovskite-Type Fe-Based Superconductors and NMR Study of $\text{Sr}_2\text{VFeAsO}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, 014712	1.5	8
79	Successive transition from superconducting to antiferromagnetic phase in $(\text{Ca}_6(\text{Al}, \text{Ti})_4\text{O}_y)\text{Fe}_2\text{As}_2$ studied via 75As and 27Al NMR. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	4
78	A new iron pnictide oxide $(\text{Fe}_2\text{As}_2)(\text{Ca}_5(\text{Mg}, \text{Ti})_4\text{O}_y)$ and a new phase in the $\text{FeAsCaMgTiO}$ system. <i>Superconductor Science and Technology</i> , <b>2011</b> , 24, 085020	3.1	11
77	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	
76	A new homologous series of iron pnictide oxide superconductors $(\text{Fe}_2\text{As}_2)(\text{Ca}_{n+2}(\text{Al}, \text{Ti})_n\text{O}_y)$ ( $n = 2, 3, 4$ ). <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 115005	3.1	56

75	Evidence for nodal superconductivity in Sr <sub>2</sub> ScFePO <sub>3</sub> . <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 022001	3.1	8
74	Superconductivity in a new iron pnictide oxide (Fe <sub>2</sub> As <sub>2</sub> )(Sr <sub>4</sub> (Mg, Ti) <sub>2</sub> O <sub>6</sub> ). <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 045001	3.1	46
73	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
72	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
71	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	
70	Largely improved J <sub>c</sub> 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
69	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
68	New Iron Arsenide Oxides (Fe <sub>2</sub> As <sub>2</sub> )(Sr <sub>4</sub> (Sc,Ti) <sub>3</sub> O <sub>8</sub> ), (Fe <sub>2</sub> As <sub>2</sub> )(Ba <sub>4</sub> Sc <sub>3</sub> O <sub>7.5</sub> ), and (Fe <sub>2</sub> As <sub>2</sub> )(Ba <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> ). <i>Applied Physics Express</i> , <b>2010</b> , 3, 063102	2.4	43
67	Defect states in Lu <sub>3</sub> GaxAl <sub>5-x</sub> O <sub>12</sub> crystals and powders. <i>Optical Materials</i> , <b>2010</b> , 32, 1298-1301	3.3	8
66	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
65	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	
64	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
63	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
62	Control Technologies of Microstructure and Chemical Composition for Development of Superconducting Materials with High Functionalities. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2010</b> , 130, 41-44	0.2	
61	Interpretation of X-Ray Line Profile of Polycrystalline MgB <sub>2</sub> . <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2690-2693	1.8	1
60	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
59	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
58	Fabrication of Multi-Layered Thermoelectric Thick Films and their Thermoelectric Performance. <i>Key Engineering Materials</i> , <b>2009</b> , 412, 291-296	0.4	

57	Suppression of defect related host luminescence in LuAG single crystals. <i>Physics Procedia</i> , <b>2009</b> , 2, 191-205		12
56	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
55	Growth and optical properties of Lu <sub>3</sub> (Ga,Al)5O <sub>12</sub> single crystals for scintillator application. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 908-911	1.6	54
54	Pr <sup>3+</sup> -doped complex oxide single crystal scintillators. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 055117	3	118
53	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
52	. <i>IEEE Transactions on Nuclear Science</i> , <b>2009</b> , 56, 570-573	1.7	31
51	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
50	Elucidation of Crystal-Chemical Determination Factor of Magnetic Anisotropy in HTSC. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2965-2969	1.8	
49	Field Trapping Properties of $\delta$ -Growth Region in RE <sub>123</sub> Melt-Solidified Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2949-2952	1.8	3
48	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
47	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
46	Crystal structure and physical properties of new boride Ca <sub>1+x</sub> Co <sub>4</sub> B <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 176, 012016	0.3	
45	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
44	Contrasting Pressure Effects in Sr <sub>2</sub> VFeAsO <sub>3</sub> and Sr <sub>2</sub> ScFePO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 123707	1.5	40
43	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
42	Temperature Dependence of J <sub>c</sub> for RE <sub>123</sub> Superconductors. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2009</b> , 44, 573-578	0.1	3
41	Crystal growth of GdVO <sub>4</sub> by the micropulling down method. <i>Inorganic Materials</i> , <b>2008</b> , 44, 534-537	0.9	2
40	Scintillator Materials—Achievements, Opportunities, and Puzzles. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1035-1041	1.7	56



39	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
38	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
37	Crystal Growth and Scintillation Properties of 2-Inch-Diameter Pr:Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> (Pr:LuAG) Single Crystal. <i>IEEE Transactions on Nuclear Science</i> , <b>2008</b> , 55, 1488-1491	1.7	48
36	Novel functions of silver on superconducting properties for RE123 melt-solidified bulks. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012007	0.3	12
35	Evaluation of J <sub>c</sub> anisotropy in Nd123 single crystals. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012144	0.3	1
34	Systematic studies on T <sub>c</sub> of La123 at carrier optimally-doped state. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012151	0.3	
33	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
32	Rare-Earth-Dependent Magnetic Anisotropy in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . <i>Applied Physics Express</i> , <b>2008</b> , 1, 031701	2.4	21
31	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
30	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
29	Crystal growth, optical and luminescence properties of Pr-doped Y <sub>2</sub> SiO <sub>5</sub> single crystals. <i>Optical Materials</i> , <b>2007</b> , 29, 1381-1384	3.3	12
28	Scintillation properties of 2-inch-diameter Pr: Lu <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> single crystal <b>2007</b> ,		1
27	Growth and Luminescence Properties of Pr-doped Lu <sub>3</sub> (Ga,Al) <sub>5</sub> O <sub>12</sub> Single Crystals. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 3514-3517	1.4	21
26	Thermoelectric Properties and Magnetic Anisotropies of Magnetically Grain-Oriented Sr- or Bi-doped Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> Thick Films. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1044, 1		
25	Improvement of Thermoelectric Properties of p- and n-types Oxide Thick Films Fabricated by Electrophoretic Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1044, 1		
24	Terahertz Radiation from Photoconductive Switch Fabricated from a Zinc Oxide Single Crystal. <i>Springer Series in Optical Sciences</i> , <b>2007</b> , 301-306	0.5	
23	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
22	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

21	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
20	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
19	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
18	Growth and spectroscopic properties of Er:YAG crystalline fibers. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, 534-540	1.6	14
17	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
16	Fast 5d -4f 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	2.3	76
15	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
14	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
13	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
12	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
11	Scintillation properties of Yb <sup>3+</sup> -doped garnet crystals. <i>Radiation Measurements</i> , <b>2004</b> , 38, 485-488	1.5	8
10	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
9	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
8	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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