

# Akiyasu Yamamoto

## List of Publications by Citations

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145  
papers

3,931  
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32  
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154  
ext. papers

4,289  
ext. citations

2.9  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
145	Small anisotropy, weak thermal fluctuations, and high field superconductivity in Co-doped iron pnictide Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2009</b> , 94, 062511	3.4	300
144	New Fe-based superconductors: properties relevant for applications. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 034003	3.1	228
143	Recent advances in iron-based superconductors toward applications. <i>Materials Today</i> , <b>2018</b> , 21, 278-302	21.8	200
142	Template engineering of Co-doped BaFe <sub>2</sub> As <sub>2</sub> single-crystal thin films. <i>Nature Materials</i> , <b>2010</b> , 9, 397-402	27	173
141	Effects of B4C doping on critical current properties of MgB <sub>2</sub> superconductor. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 1323-1328	3.1	158
140	Weak-link behavior of grain boundaries in superconducting Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> bicrystals. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 212505	3.4	151
139	Limiting factors of normal-state conductivity in superconducting MgB <sub>2</sub> : an application of mean-field theory for a site percolation problem. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, 658-666	3.1	133
138	Universal relationship between crystallinity and irreversibility field of MgB <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2005</b> , 86, 212502	3.4	128
137	Improved critical current properties observed in MgB <sub>2</sub> bulks synthesized by low-temperature solid-state reaction. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 116-121	3.1	127
136	Evidence for two distinct scales of current flow in polycrystalline Sm and Nd iron oxypnictides. <i>Superconductor Science and Technology</i> , <b>2008</b> , 21, 095008	3.1	118
135	Electrostatic tactile display with thin film slider and its application to tactile telepresentation systems. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2006</b> , 12, 168-77	4	113
134	The behavior of grain boundaries in the Fe-based superconductors. <i>Reports on Progress in Physics</i> , <b>2011</b> , 74, 124511	14.4	112
133	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
132	Permanent magnet with MgB <sub>2</sub> bulk superconductor. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 032601	3.4	73
131	Synthesis of high J <sub>c</sub> MgB <sub>2</sub> bulks with high reproducibility by a modified powder-in-tube method. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 921-925	3.1	68
130	Intergrain current flow in a randomly oriented polycrystalline SmFeAsO <sub>0.85</sub> oxypnictide. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 142502	3.4	67
129	Essential factors for the critical current density in superconducting MgB <sub>2</sub> : connectivity and flux pinning by grain boundaries. <i>Superconductor Science and Technology</i> , <b>2008</b> , 21, 015008	3.1	66

128	Control of thermal tactile display based on prediction of contact temperature <b>2004</b> ,		60
127	Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor LaO <sub>0.89</sub> F <sub>0.11</sub> FeAs. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 252501	3.4	58
126	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
125	High critical current properties of MgB <sub>2</sub> bulks prepared by a diffusion method. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 222502	3.4	56
124	High-T <sub>c</sub> and high-J <sub>c</sub> SmFeAs(O,F) films on fluoride substrates grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 232505	3.4	51
123	Combined microstructural and magneto-optical study of current flow in polycrystalline forms of Nd and Sm Fe-oxy pnictides. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 015010	3.1	41
122	Demonstration of an iron-pnictide bulk superconducting magnet capable of trapping over 1 T. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 112001	3.1	40
121	Small grains: a key to high-field applications of granular Ba-122 superconductors?. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 025004	3.1	37
120	Strongly connected ex situ MgB <sub>2</sub> polycrystalline bulks fabricated by solid-state self-sintering. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 115022	3.1	37
119	Evidence for electromagnetic granularity in polycrystalline Sm <sub>1111</sub> iron-pnictides with enhanced phase purity. <i>Superconductor Science and Technology</i> , <b>2011</b> , 24, 045010	3.1	37
118	Catalytic effect of silver addition on the low temperature phase formation of MgB <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, 307-311	3.1	35
117	High-performance dense MgB <sub>2</sub> superconducting wire fabricated from mechanically milled powder. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 044006	3.1	34
116	Formation Mechanism of Boron-Based Nanosheet through the Reaction of MgB <sub>2</sub> with Water. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 10587-10593	3.8	33
115	Synthesis and physical properties of Ca <sub>1-x</sub> RE <sub>x</sub> FeAs <sub>2</sub> with RE = La and Nd. <i>Applied Physics Express</i> , <b>2014</b> , 7, 073102	2.4	33
114	Crystal growth and characterization of MgB <sub>2</sub> : the relation between structural and superconducting properties. <i>Superconductor Science and Technology</i> , <b>2003</b> , 16, 213-220	3.1	32
113	Development of high critical current density in multifilamentary round-wire Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+y</sub> by strong overdoping. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 152516	3.4	31
112	Enhanced critical current properties observed in Na <sub>2</sub> CO <sub>3</sub> -doped MgB <sub>2</sub> . <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 926-930	3.1	31
111	Doping effects on critical current properties of MgB <sub>2</sub> /sub 2/ bulks synthesized by modified powder-in-tube method. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3292-3295	1.8	31

110	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7300605-7300605	1.8	26
109	High-field phase-diagram of Fe arsenide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 566-574	1.3	26
108	Reactivity of carbides in synthesis of MgB <sub>2</sub> bulks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 445-448, 801-805	1.3	24
107	Enhanced trapped field in MgB <sub>2</sub> bulk magnets by tuning grain boundary pinning through milling. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 055016	3.1	23
106	Numerical modelling and comparison of MgB <sub>2</sub> bulks fabricated by HIP and infiltration growth. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 075009	3.1	22
105	Growth of superconducting SmFeAs(O, F) epitaxial films by F diffusion. <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 035007	3.1	22
104	Crystallinity and flux pinning properties of MgB <sub>2</sub> bulks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 445-448, 806-810	1.3	22
103	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
102	A trapped magnetic field of 3 T in homogeneous, bulk MgB <sub>2</sub> superconductors fabricated by a modified precursor infiltration and growth process. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 035008	3.1	20
101	Effects of disorder on the superconducting properties of BaFe <sub>1.8</sub> Co <sub>0.2</sub> As <sub>2</sub> single crystals. <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 095011	3.1	20
100	Synthesis of dense bulk MgB <sub>2</sub> by an infiltration and growth process. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 015012	3.1	19
99	J <sub>c</sub> enhancement of high density MgB <sub>2</sub> bulk made by Premix-PICT-Diffusion method. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 581-582	1.3	19
98	Effects of sintering conditions on critical current properties and microstructures of MgB <sub>2</sub> bulks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2005</b> , 426-431, 1220-1224	1.3	19
97	High Trapped Fields in C-doped MgB Bulk Superconductors Fabricated by Infiltration and Growth Process. <i>Scientific Reports</i> , <b>2018</b> , 8, 13320	4.9	19
96	Flux pinning properties of impurity doped MgB <sub>2</sub> bulks synthesized by diffusion method. <i>Physica C: Superconductivity and Its Applications</i> , <b>2005</b> , 426-431, 1225-1230	1.3	18
95	Mechanism for high critical current density in situ MgB <sub>2</sub> wire with large area-reduction ratio. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 055003	3.1	17
94	Critical current characteristics in MgB <sub>2</sub> bulks. <i>Physica C: Superconductivity and Its Applications</i> , <b>2006</b> , 445-448, 474-477	1.3	17
93	Electrostatic tactile display for presenting surface roughness sensation		17

92	One-step growth of SmFeAs(O,F) films by molecular beam epitaxy using FeF <sub>2</sub> as a fluorine source. <i>Superconductor Science and Technology</i> , <b>2015</b> , 28, 015005	3.1	16
91	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
90	Effects of rare earth doping on the superconducting properties of MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 225-228	1.3	16
89	Thermal Tactile Presentation with On-Site Parameter Identification of Finger <b>2005</b> ,		15
88	Improved critical current properties of MgB <sub>2</sub> bulks by controlling microstructures. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 119-122	0.3	15
87	Semimetallicity of free-standing hydrogenated monolayer boron from MgB <sub>2</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	15
86	Towards the Realization of Higher Connectivity in MgB <sub>2</sub> Conductors: In-situ or Sintered Ex-situ?. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010105	1.4	15
85	Neutron irradiation of SmFeAsO <sub>1-x</sub> F <sub>x</sub> . <i>Superconductor Science and Technology</i> , <b>2009</b> , 22, 065015	3.1	14
84	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
83	Doping Effects of $TiC$ and $Mo_2C$ on Critical Current Properties of $MgB_2$ Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2006</b> , 16, 1411-1414	1.8	12
82	Evaluation of MR-compatibility of Electrostatic Linear Motor		12
81	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1993</b> , 3, 95-103	1.8	12
80	Microstructural connectivity in sintered ex-situ MgB <sub>2</sub> bulk superconductors. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 656, 172-180	5.7	11
79	A defect detection method for MgB <sub>2</sub> superconducting and iron-based Ba(Fe,Co) <sub>2</sub> As <sub>2</sub> wires. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 152601	3.4	11
78	The formation of defects and their influence on inter- and intra-granular current in sintered polycrystalline 122 phase Fe-based superconductors. <i>Superconductor Science and Technology</i> , <b>2019</b> , 32, 084003	3.1	10
77	Grain boundary characteristics of Fe-based superconductors. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 043001	3.1	10
76	Trapped magnetic field and levitation force properties of multi-seeded YBCO superconductors with different seed distance. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 829, 154400	5.7	10
75	Dramatic effects of chlorine doping on $J_c$ and microstructure of fluorine-free MOD Y123 thin films. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 095017	3.1	10

74	Microstructural evolution in infiltration-growth processed MgB <sub>2</sub> bulk superconductors. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2451-2460	3.8	10
73	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
72	Disorder effects and current percolation in FeAs-based superconductors. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 054006	3.1	10
71	Influences of material processing on the microstructure and inter-granular current properties of polycrystalline bulk Ba(Fe,Co) <sub>2</sub> As <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 28-32	1.3	9
70	A novel approach to the manipulation of body-parts ownership using a bilateral master-slave system <b>2011</b> ,		9
69	V-Y advancement posterior thigh fasciocutaneous flaps for total anal canal and large perianal defects. <i>Annals of Plastic Surgery</i> , <b>1996</b> , 37, 340-1	1.7	9
68	Enhanced upper critical field in Co-doped Ba122 superconductors by lattice defect tuning. <i>APL Materials</i> , <b>2019</b> , 7, 111107	5.7	9
67	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
66	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
65	Magnetic microscopy for characterization of local critical current in iron-sheathed MgB <sub>2</sub> wires. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 504, 62-64	1.3	8
64	Numerical modelling of iron-pnictide bulk superconductor magnetization. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 105009	3.1	8
63	Understanding routes for high connectivity in situ MgB <sub>2</sub> by self-sintering. <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 044012	3.1	8
62	Towards the Realization of Higher Connectivity in MgB <sub>2</sub> Conductors: In-situ or Sintered Ex-situ?. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010105	1.4	8
61	Influence of dopant particle size on the critical current properties and microstructures of MgB <sub>2</sub> bulks doped with TiC and SiC. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 807-811	1.3	8
60	Flux pinning properties of undoped and C-doped MgB <sub>2</sub> bulks with controlled grain sizes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 460-462, 572-573	1.3	8
59	Critical current density and flux pinning in superconducting MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1833-1835	1.3	8
58	Generic positive effects of low level impurity doping on flux pinning properties of HTSC and MgB <sub>2</sub> /sub 2/. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3778-3781	1.8	8
57	Synthesis of Bi2223 by Low $P_{O_2}$ Sintering. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 6400604-6400604	1.8	7

56	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
55	Roles of intrinsic anisotropy and E <sub>band</sub> pairbreaking effects on critical currents in tilted-c-axis MgB <sub>2</sub> films probed by magneto-optical and transport measurements. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	7
54	Simple Route to Grow High-Quality MgB <sub>2</sub> Thin Films by Pyrolysis of Decaborane (B <sub>10</sub> H <sub>14</sub> ) in Mg Vapor. <i>Applied Physics Express</i> , <b>2011</b> , 4, 073101	2.4	7
53	Dramatic effects of Ag addition on low temperature synthesis of MgB <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012255	0.3	7
52	Evolution of intergranular microstructure and critical current properties of polycrystalline Co-doped BaFe <sub>2</sub> As <sub>2</sub> through high-energy milling. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094010	3.1	7
51	Electromagnetic properties and microstructures of in situ MgB <sub>2</sub> wires made from three types of boron powders. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 105016	3.1	7
50	Dependences on RE of superconducting properties of transition metal co-doped (Ca,RE)FeAs <sub>2</sub> with RE= La, Gd. <i>Physica C: Superconductivity and Its Applications</i> , <b>2015</b> , 518, 14-17	1.3	6
49	Selective mass enhancement close to the quantum critical point in BaFe(As P). <i>Scientific Reports</i> , <b>2017</b> , 7, 4589	4.9	6
48	Microstructural Characteristics of Ball-Milled Self-Sintered Ex Situ MgB <sub>2</sub> Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-5	1.8	5
47	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
46	Recent developments in melt processed Gd-123 and MgB <sub>2</sub> materials at RTRI. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 496, 5-10	1.3	5
45	Critical current properties at high magnetic fields in polycrystalline MgB <sub>2</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 1406-1410	1.3	5
44	Synthesis of Denser In Situ MgB <sub>2</sub> Bulks Using MgB <sub>4</sub> Precursor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 7101005-7101005	1.8	4
43	How to improve critical current properties of Bi <sub>2223</sub> and MgB <sub>2</sub> tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 802-806	1.3	4
42	Arrangement planning for multiple self-moving trays in human supporting production cell "attentive workbench" <b>2005</b> ,		4
41	Effect of Packing Density on Critical Current Density at High Magnetic Fields in Polycrystalline MgB <sub>2</sub> Superconductors. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 123103	1.4	3
40	Critical Current Properties of c-Axis Oriented Bi(Pb) <sub>2223</sub> Bulks Sintered under High Gas Pressures. <i>Physics Procedia</i> , <b>2012</b> , 36, 665-668		3
39	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



38	Crystalline boron monosulfide nanosheets with tunable bandgaps. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 24631-24640	13	3
37	Relationship between Crystallinity and Critical Current Properties of MgB <sub>2</sub> Bulks. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2005</b> , 40, 466-472	0.1	3
36	Development of Polycrystalline Bulk MgB <sub>2</sub> Superconducting Magnet by Hot-pressing. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2016</b> , 80, 457-461	0.4	3
35	Effect of the premixing of MgB <sub>2</sub> powder on microstructures and electromagnetic properties in PIT-processed MgB <sub>2</sub> wires. <i>Materials Research Express</i> , <b>2019</b> , 6, 026003	1.7	3
34	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
33	Relationship between Current Transport Properties and the Microstructure in a Random Polycrystalline Fe-Oxypnictide Bulk. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2010</b> , 74, 444-452	0.4	2
32	Disorder induced effects on the critical current density of iron pnictide BaFe <sub>1.8</sub> Co <sub>0.2</sub> As <sub>2</sub> single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S452-S453	1.3	2
31	Magneto-Optical Studies on Polycrystalline $\text{MgB}_2$ Bulks Manufactured by Different Processes. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2746-2749	1.8	2
30	Grain Size Determinants and Grain-Boundary Pinning in In-situ MgB <sub>2</sub> Bulks. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 497-504	0.1	2
29	Estimation of solid-state sintering and material parameters using phase-field modeling and ensemble four-dimensional variational method. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2021</b> , 29, 065012	2	2
28	Preface to the special issue Focus on 10 Years of Iron-Based Superconductors. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 090301	3.1	1
27	Synthesis of RE123 Melt-Solidified Bulks under Low Pressure Pure Oxygen. <i>Physics Procedia</i> , <b>2012</b> , 36, 568-571		1
26	Interpretation of X-Ray Line Profile of Polycrystalline $\text{MgB}_2$ . <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2690-2693	1.8	1
25	High-T <sub>c</sub> and high-J <sub>c</sub> SmFeAs(O,F) films on fluoride substrates grown by molecular beam epitaxy. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1434, 45		1
24	Direct Electrostatic Transportation of Frozen Droplets in Liquid Nitrogen for Single Cryopreserved Cell Processing		1
23	Tactile telepresence system using PVDF sensors and electrostatic stimulator <b>2005</b> ,		1
22	Thickness Dependence of Trapped Magnetic Fields in Machined Bulk MgB <sub>2</sub> Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-4	1.8	1
21	Recent Progress on the Development of High Temperature Superconducting Bulk Materials. <i>IEEJ Transactions on Power and Energy</i> , <b>2020</b> , 140, 141-147	0.2	1



20	Efficient estimation of material parameters using DMC-BO: Application to phase-field simulation of solid-state sintering. <i>Materials Today Communications</i> , <b>2022</b> , 30, 103089	2.5	1
19	Carbon Substitution Effects on Critical Current Properties of Superconductor MgB <sub>2</sub> . <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 489-496	0.1	1
18	Development of Highly Pure Polycrystalline Superconducting MgB <sub>2</sub> Bulks by Mg Vapor Transport (MVT) Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2019</b> , 83, 341-345	0.4	1
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