Akiyasu Yamamoto

List of Publications by Year
in descending order

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151 papers	4,726 citations	126708 33 h-index	110170 64 g-index
154 all docs	154 docs citations	154 times ranked	2348 citing authors

#	Article	IF	Citations
1	Small anisotropy, weak thermal fluctuations, and high field superconductivity in Co-doped iron pnictide Ba(Fe1â^'xCox)2As2. Applied Physics Letters, 2009, 94, .	1.5	337
2	Recent advances in iron-based superconductors toward applications. Materials Today, 2018, 21, 278-302.	8.3	310
3	New Fe-based superconductors: properties relevant for applications. Superconductor Science and Technology, 2010, 23, 034003.	1.8	253
4	Template engineering of Co-doped BaFe2As2 single-crystal thin films. Nature Materials, 2010, 9, 397-402.	13.3	185
5	Effects of B4C doping on critical current properties of MgB2superconductor. Superconductor Science and Technology, 2005, 18, 1323-1328.	1.8	171
6	Weak-link behavior of grain boundaries in superconducting Ba(Fe1â^'xCox)2As2 bicrystals. Applied Physics Letters, 2009, 95, .	1.5	163
7	Limiting factors of normal-state conductivity in superconducting MgB2: an application of mean-field theory for a site percolation problem. Superconductor Science and Technology, 2007, 20, 658-666.	1.8	144
8	Universal relationship between crystallinity and irreversibility field of MgB2. Applied Physics Letters, 2005, 86, 212502.	1.5	136
9	Improved critical current properties observed in MgB2 bulks synthesized by low-temperature solid-state reaction. Superconductor Science and Technology, 2005, 18, 116-121.	1.8	134
10	Electrostatic tactile display with thin film slider and its application to tactile telepresentation systems. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 168-177.	2.9	130
11	The behavior of grain boundaries in the Fe-based superconductors. Reports on Progress in Physics, 2011, 74, 124511.	8.1	127
12	Evidence for two distinct scales of current flow in polycrystalline Sm and Nd iron oxypnictides. Superconductor Science and Technology, 2008, 21, 095008.	1.8	118
13	A New Layered Iron Arsenide Superconductor: (Ca,Pr)FeAs₂. Journal of the American Chemical Society, 2014, 136, 846-849.	6.6	105
14	Permanent magnet with MgB2 bulk superconductor. Applied Physics Letters, 2014, 105, .	1.5	85
15	Essential factors for the critical current density in superconducting MgB₂: connectivity and flux pinning by grain boundaries. Superconductor Science and Technology, 2008, 21, 015008.	1.8	77
16	Control of thermal tactile display based on prediction of contact temperature. , 2004, , .		73
17	Intergrain current flow in a randomly oriented polycrystalline SmFeAsO0.85 oxypnictide. Applied Physics Letters, 2009, 95, .	1.5	73
18	Synthesis of highJcMgB2bulks with high reproducibility by a modified powder-in-tube method. Superconductor Science and Technology, 2004, 17, 921-925.	1.8	72

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19	High critical current properties of MgB2 bulks prepared by a diffusion method. Applied Physics Letters, 2005, 86, 222502.	1.5	64
20	Evidence for electromagnetic granularity in the polycrystalline iron-based superconductor LaO0.89F0.11FeAs. Applied Physics Letters, 2008, 92, 252501.	1.5	59
21	A new homologous series of iron pnictide oxide superconductors (Fe2As2)(Can+ 2(Al, Ti)nOy) (n= 2, 3,) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	59
22	High-Tc and high-Jc SmFeAs(O,F) films on fluoride substrates grown by molecular beam epitaxy. Applied Physics Letters, 2011, 99, 232505.	1.5	55
23	Formation Mechanism of Boron-Based Nanosheet through the Reaction of MgB₂ with Water. Journal of Physical Chemistry C, 2017, 121, 10587-10593.	1.5	53
24	Demonstration of an iron-pnictide bulk superconducting magnet capable of trapping over 1 T. Superconductor Science and Technology, 2015, 28, 112001.	1.8	46
25	Combined microstructural and magneto-optical study of current flow in polycrystalline forms of Nd and Sm Fe-oxypnictides. Superconductor Science and Technology, 2009, 22, 015010.	1.8	45
26	Strongly connectedex situMgB₂polycrystalline bulks fabricated by solid-state self-sintering. Superconductor Science and Technology, 2012, 25, 115022.	1.8	45
27	Small grains: a key to high-field applications of granular Ba-122 superconductors?. Superconductor Science and Technology, 2016, 29, 025004.	1.8	44
28	Evidence for electromagnetic granularity in polycrystalline Sm1111 iron-pnictides with enhanced phase purity. Superconductor Science and Technology, 2011, 24, 045010.	1.8	41
29	High-performance dense MgB₂superconducting wire fabricated from mechanically milled powder. Superconductor Science and Technology, 2017, 30, 044006.	1.8	40
30	Synthesis and physical properties of Ca_{1â^'}_xRE_xFeAs₂withRE= Laâ€“Gd. Applied Physics Express, 2014, 7, 073102.	1.1	39
31	High-Tc and high-Jc SmFeAs(O,F) films on fluoride substrates grown by molecular beam epitaxy. Materials Research Society Symposia Proceedings, 2012, 1434, 45.	0.1	38
32	Numerical modelling and comparison of MgB₂bulks fabricated by HIP and infiltration growth. Superconductor Science and Technology, 2015, 28, 075009.	1.8	37
33	Enhanced critical current properties observed in Na2CO3-doped MgB2. Superconductor Science and Technology, 2004, 17, 926-930.	1.8	35
34	Doping Effects on Critical Current Properties of<tex>$rm MgB_2$</tex>Bulks Synthesized by Modified Powder-In-Tube Method. IEEE Transactions on Applied Superconductivity, 2005, 15, 3292-3295.	1.1	35
35	Catalytic effect of silver addition on the low temperature phase formation of MgB2. Superconductor Science and Technology, 2007, 20, 307-311.	1.8	35
36	Development of high critical current density in multifilamentary round-wire Bi2Sr2CaCu2O8+Î´ by strong overdoping. Applied Physics Letters, 2009, 95, 152516.	1.5	34

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37	Crystal growth and characterization of MgB2: the relation between structural and superconducting properties. Superconductor Science and Technology, 2003, 16, 213-220.	1.8	33
38	Transition Temperature and Upper Critical Field in $ hbox{SmFeAsO}_{1 - x}hbox{F}_{x}$ Synthesized at Low Heating Temperatures. IEEE Transactions on Applied Superconductivity, 2013, 23, 7300605-7300605.	1.1	33
39	High-field phase-diagram of Fe arsenide superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 566-574.	0.6	30
40	Enhanced trapped field in MgB₂bulk magnets by tuning grain boundary pinning through milling. Superconductor Science and Technology, 2015, 28, 055016.	1.8	30
41	Semimetallicity of free-standing hydrogenated monolayer boron from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MgB</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review Materials, 2019, 3, .	1.9	29
42	High Trapped Fields in C-doped MgB2 Bulk Superconductors Fabricated by Infiltration and Growth Process. Scientific Reports, 2018, 8, 13320.	1.6	28
43	A trapped magnetic field of 3 T in homogeneous, bulk MgB₂superconductors fabricated by a modified precursor infiltration and growth process. Superconductor Science and Technology, 2016, 29, 035008.	1.8	27
44	Grain boundary characteristics of Fe-based superconductors. Superconductor Science and Technology, 2020, 33, 043001.	1.8	27
45	Reactivity of carbides in synthesis of MgB2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 801-805.	0.6	26
46	Crystallinity and flux pinning properties of MgB2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 806-810.	0.6	26
47	Synthesis of dense bulk MgB₂by an infiltration and growth process. Superconductor Science and Technology, 2015, 28, 015012.	1.8	26
48	Electrostatic tactile display for presenting surface roughness sensation. , 0, , .		25
49	Co and Mn doping effect in polycrystalline (Ca,La) and (Ca,Pr)FeAs₂superconductors. Superconductor Science and Technology, 2015, 28, 065001.	1.8	24
50	Jc enhancement of high density MgB2 bulk made by Premix-PICT-Diffusion method. Physica C: Superconductivity and Its Applications, 2007, 460-462, 581-582.	0.6	23
51	Effects of rare earth doping on the superconducting properties of MgB2. Physica C: Superconductivity and Its Applications, 2007, 463-465, 225-228.	0.6	22
52	Effects of disorder on the superconducting properties of BaFe_{1.8}Co_{0.2}As₂single crystals. Superconductor Science and Technology, 2009, 22, 095011.	1.8	22
53	Growth of superconducting SmFeAs(O, F) epitaxial films by F diffusion. Superconductor Science and Technology, 2012, 25, 035007.	1.8	22
54	Effects of sintering conditions on critical current properties and microstructures of MgB2 bulks. Physica C: Superconductivity and Its Applications, 2005, 426-431, 1220-1224.	0.6	21

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55	Thermal Tactile Presentation with On-Site Parameter Identification of Finger. , 2005, , .		21
56	Towards the Realization of Higher Connectivity in MgB₂Conductors:In-situor SinteredEx-situ?. Japanese Journal of Applied Physics, 2012, 51, 010105.	0.8	21
57	Crystalline boron monosulfide nanosheets with tunable bandgaps. Journal of Materials Chemistry A, 2021, 9, 24631-24640.	5.2	21
58	Flux pinning properties of impurity doped MgB2 bulks synthesized by diffusion method. Physica C: Superconductivity and Its Applications, 2005, 426-431, 1225-1230.	0.6	20
59	Critical current characteristics in MgB2 bulks. Physica C: Superconductivity and Its Applications, 2006, 445-448, 474-477.	0.6	18
60	Effects of Mn and Ni doping on the superconductivity of SmFeAs(O,F). Physica C: Superconductivity and Its Applications, 2013, 494, 57-61.	0.6	18
61	Mechanism for high critical current density inin situMgB2wire with large area-reduction ratio. Superconductor Science and Technology, 2014, 27, 055003.	1.8	18
62	Microstructural connectivity in sintered ex-situ MgB2 bulk superconductors. Journal of Alloys and Compounds, 2016, 656, 172-180.	2.8	18
63	Enhanced upper critical field in Co-doped Ba122 superconductors by lattice defect tuning. APL Materials, 2019, 7, .	2.2	18
64	Trapped magnetic field and levitation force properties of multi-seeded YBCO superconductors with different seed distance. Journal of Alloys and Compounds, 2020, 829, 154400.	2.8	18
65	Towards the Realization of Higher Connectivity in MgB₂Conductors: In-situ or Sintered Ex-situ?. Japanese Journal of Applied Physics, 2012, 51, 010105.	0.8	17
66	One-step growth of SmFeAs(O,F) films by molecular beam epitaxy using FeF₂ as a fluorine source. Superconductor Science and Technology, 2015, 28, 015005.	1.8	17
67	Design study of a thin superconducting solenoid magnet for the SDC detector. IEEE Transactions on Applied Superconductivity, 1993, 3, 95-103.	1.1	16
68	Improved critical current properties of MgB2bulks by controlling microstructures. Journal of Physics: Conference Series, 2006, 43, 119-122.	0.3	16
69	Neutron irradiation of SmFeAsO_{1â^'x}F_x. Superconductor Science and Technology, 2009, 22, 065015.	1.8	16
70	Self-sintering-assisted high intergranular connectivity in ball-milledex situMgB₂bulks. Superconductor Science and Technology, 2014, 27, 114001.	1.8	16
71	A defect detection method for MgB2 superconducting and iron-based Ba(Fe,Co)2As2 wires. Applied Physics Letters, 2016, 108, .	1.5	16
72	A novel approach to the manipulation of body-parts ownership using a bilateral master-slave system. , 2011, , .		15

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73	Significant enhancement of the intergrain coupling in lightly F-doped SmFeAsO superconductors. Superconductor Science and Technology, 2013, 26, 065006.	1.8	15
74	Evolution of intergranular microstructure and critical current properties of polycrystalline Co-doped BaFe₂As₂ through high-energy milling. Superconductor Science and Technology, 2020, 33, 094010.	1.8	15
75	The formation of defects and their influence on inter- and intra-granular current in sintered polycrystalline 122 phase Fe-based superconductors. Superconductor Science and Technology, 2019, 32, 084003.	1.8	14
76	Microstructural evolution in infiltrationâ€growth processed MgB₂ bulk superconductors. Journal of the American Ceramic Society, 2017, 100, 2451-2460.	1.9	13
77	Evaluation of MR-compatibility of Electrostatic Linear Motor. , 0, , .		12
78	Doping Effects of<tex>$rm TiC$</tex>and<tex>$rm Mo_2rm C$</tex>on Critical Current Properties of<tex>$rm MgB_2$</tex>Tapes. IEEE Transactions on Applied Superconductivity, 2006, 16, 1411-1414.	1.1	12
79	Disorder effects and current percolation in FeAs-based superconductors. Superconductor Science and Technology, 2010, 23, 054006.	1.8	12
80	Dramatic effects of chlorine doping onJ_cand microstructure of fluorine-free MOD Y123 thin films. Superconductor Science and Technology, 2014, 27, 095017.	1.8	12
81	V-Y Advancement Posterior Thigh Fasciocutaneous Flaps for Total Anal Canal and Large Perianal Defects. Annals of Plastic Surgery, 1996, 37, 340.	0.5	11
82	Flux pinning properties of undoped and C-doped MgB2 bulks with controlled grain sizes. Physica C: Superconductivity and Its Applications, 2007, 460-462, 572-573.	0.6	11
83	Numerical modelling of iron-pnictide bulk superconductor magnetization. Superconductor Science and Technology, 2017, 30, 105009.	1.8	11
84	Estimation of solid-state sintering and material parameters using phase-field modeling and ensemble four-dimensional variational method. Modelling and Simulation in Materials Science and Engineering, 2021, 29, 065012.	0.8	11
85	Understanding routes for high connectivity inex situMgB₂by self-sintering. Superconductor Science and Technology, 2014, 27, 044012.	1.8	10
86	Enhancement of intergranular current density of Sm-based oxypnictide superconductors with Sn addition. Superconductor Science and Technology, 2014, 27, 085010.	1.8	10
87	Influences of material processing on the microstructure and inter-granular current properties of polycrystalline bulk Ba(Fe,Co)2As2. Physica C: Superconductivity and Its Applications, 2014, 504, 28-32.	0.6	10
88	Enhanced critical current density in K-doped Ba122 polycrystalline bulk superconductors via fast densification. IScience, 2022, 25, 103992.	1.9	10
89	Generic Positive Effects of Low Level Impurity Doping on Flux Pinning Properties of HTSC and<tex>$rm MgB_2$</tex>. IEEE Transactions on Applied Superconductivity, 2005, 15, 3778-3781.	1.1	9
90	Critical current density and flux pinning in superconducting MgB2. Physica C: Superconductivity and Its Applications, 2008, 468, 1833-1835.	0.6	9

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91	Magnetic microscopy for characterization of local critical current in iron-sheathed MgB2 wires. Physica C: Superconductivity and Its Applications, 2014, 504, 62-64.	0.6	9
92	Arrangement planning for multiple self-moving trays in human supporting production cell "attentive workbench". , 2005, , .		8
93	Influence of dopant particle size on the critical current properties and microstructures of MgB2 bulks doped with TiC and SiC. Physica C: Superconductivity and Its Applications, 2007, 463-465, 807-811.	0.6	8
94	Simple Route to Grow High-Quality MgB2Thin Films by Pyrolysis of Decaborane (B10H14) in Mg Vapor. Applied Physics Express, 2011, 4, 073101.	1.1	8
95	Synthesis of Bi2223 by Low $P_{{m O}2}$ Sintering. IEEE Transactions on Applied Superconductivity, 2013, 23, 6400604-6400604.	1.1	8
96	Roles of intrinsic anisotropy and Ï€-band pairbreaking effects on critical currents in tilted-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>c</mml:mi></mml:math>-axis<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mg</mml:mi><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>films probed by magneto-optical and transport measurements. Physical Review B, 2014, 90, .	1.1	8
97	Effects of post-annealing and cobalt co-doping on superconducting properties of (Ca,Pr)Fe2As2 single crystals. Physica C: Superconductivity and Its Applications, 2014, 505, 1-5.	0.6	8
98	Systematic change of flux pinning in (Dy,RE)123 and (Y,RE)123 melt-solidified bulks with unit cell orthorhombicity. Superconductor Science and Technology, 2015, 28, 015014.	1.8	8
99	Electromagnetic properties and microstructures ofin situMgB2wires made from three types of boron powders. Superconductor Science and Technology, 2016, 29, 105016.	1.8	8
100	Selective mass enhancement close to the quantum critical point in BaFe2(As1â^'x P x)2. Scientific Reports, 2017, 7, 4589.	1.6	8
101	Approaching the ultimate superconducting properties of (Ba,K)Fe2As2 by naturally formed low-angle grain boundary networks. NPG Asia Materials, 2021, 13, .	3.8	8
102	Dramatic effects of Ag addition on low temperature synthesis of MgB2. Journal of Physics: Conference Series, 2008, 97, 012255.	0.3	7
103	Effect of Packing Density on Critical Current Density at High Magnetic Fields in Polycrystalline MgB₂Superconductors. Japanese Journal of Applied Physics, 2012, 51, 123103.	0.8	7
104	Dependences on RE of superconducting properties of transition metal co-doped (Ca,RE)FeAs2 with RE= Laâ€“Gd. Physica C: Superconductivity and Its Applications, 2015, 518, 14-17.	0.6	7
105	Critical current properties at high magnetic fields in polycrystalline MgB2 superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, 1406-1410.	0.6	6
106	Irreversibility lines of layered Fe-based superconductors with thick blocking layers. Solid State Communications, 2012, 152, 640-643.	0.9	6
107	Microstructural Characteristics of Ball-Milled Self-Sintered <italic>Ex Situ</italic> MgB₂ Bulks. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	6
108	Realization of epitaxial thin films of the superconductor K-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mi>Fe</mml:mi><mml:mi><mml:m Physical Review Materials, 2021, 5, .	3.1	6

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109	Thermal response of the iron-based Ba122 superconductor to in situ and ex situ processes. Superconductor Science and Technology, 2021, 34, 034004.	1.8	6
110	Relationship between Crystallinity and Critical Current Properties of MgB2 Bulks. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2005, 40, 466-472.	0.1	6
111	How to improve critical current properties of Bi2223 and MgB2 tapes. Physica C: Superconductivity and Its Applications, 2007, 463-465, 802-806.	0.6	5
112	Synthesis of Denser In Situ $hbox{MgB}_{2}$ Bulks Using $ hbox{MgB}_{4}$ Precursor. IEEE Transactions on Applied Superconductivity, 2013, 23, 7101005-7101005.	1.1	5
113	Recent developments in melt processed Gd-123 and MgB2 materials at RTRI. Physica C: Superconductivity and Its Applications, 2014, 496, 5-10.	0.6	5
114	K-doped Ba122 epitaxial thin film on MgO substrate by buffer engineering. Superconductor Science and Technology, 2022, 35, 09LT01.	1.8	5
115	Tactile telepresence system using PVDF sensors and electrostatic stimulator. , 2005, , .		4
116	Grain Size Determinants and Grain-Boundary Pinning in In-situ MgB2 Bulks. TEION KOGAKU (Journal of) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	4
117	Development of c-Axis Oriented MgB2 Bulks by Magnetic Field Orientation Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 428-433.	0.2	4
118	Development of Polycrystalline Bulk MgB₂ Superconducting Magnet by Hot-pressing. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 457-461.	0.2	4
119	Thickness Dependence of Trapped Magnetic Fields in Machined Bulk MgB₂ Superconductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.1	4
120	BOXVIA: Bayesian optimization executable and visualizable application. SoftwareX, 2022, 18, 101019.	1.2	4
121	Critical Current Properties of c-Axis Oriented Bi(Pb)2223 Bulks Sintered under High Gas Pressures. Physics Procedia, 2012, 36, 665-668.	1.2	3
122	Effects of phosphorous doping on the superconducting properties of SmFeAs(O,F). Physica C: Superconductivity and Its Applications, 2014, 504, 19-23.	0.6	3
123	Effect of the premixing of MgB2 powder on microstructures and electromagnetic properties in PIT-processed MgB2 wires. Materials Research Express, 2019, 6, 026003.	0.8	3
124	Efficient estimation of material parameters using DMC-BO: Application to phase-field simulation of solid-state sintering. Materials Today Communications, 2022, 30, 103089.	0.9	3
125	Magneto-Optical Studies on Polycrystalline ${m MgB}_{2}$ Bulks Manufactured by Different Processes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2746-2749.	1.1	2
126	Relationship between Current Transport Properties and the Microstructure in a Random Polycrystalline Fe-Oxypnictide Bulk. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 444-452.	0.2	2

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127	Disorder induced effects on the critical current density of iron pnictide BaFe1.8Co0.2As2 single crystals. Physica C: Superconductivity and Its Applications, 2010, 470, S452-S453.	0.6	2
128	Chemically and Mechanically Engineered Flux Pinning for Enhanced Electromagnetic Properties of MgB2. Springer Series in Materials Science, 2017, , 65-108.	0.4	2
129	A novel approach to the manipulation of body-parts ownership using a bilateral master-slave system. , 2011, , .		2
130	High precision electrostatic actuator with novel electrode design. , 0, , .		1
131	Development of a tactile camera for deformable surfaces. , 0, , .		1
132	Augmented dexterity in contactless object handling using a haptic interface. , 0, , .		1
133	Direct Electrostatic Transportation of Frozen Droplets in Liquid Nitrogen for Single Cryopreserved Cell Processing. , 0, , .		1
134	Interpretation of X-Ray Line Profile of Polycrystalline ${hbox {MgB}}_{2}$. IEEE Transactions on Applied Superconductivity, 2009, 19, 2690-2693.	1.1	1
135	Synthesis of RE123 Melt-Solidified Bulks under Low Pressure Pure Oxygen. Physics Procedia, 2012, 36, 568-571.	1.2	1
136	New Layered Nickel Arsenides (Ni2As2)(Ba3Sc2O5), (Ni2As2)(Ba4Sc2O6) and (Ni2As2)(Ba4Sc3O8). Physics Procedia, 2012, 36, 727-730.	1.2	1
137	Multi-scale Observation of Grain Structure in Iron-based Superconductor. Materia Japan, 2016, 55, 600-600.	0.1	1
138	Quantitative analysis of meandering and dimensional crossover of conduction path in 3D disordered media by percolation modeling. Superconductor Science and Technology, 2020, 33, 074004.	1.8	1
139	Preface to the special issue â€˜Focus on 10 Years of Iron-Based Superconductorsâ€™. Superconductor Science and Technology, 2020, 33, 090301.	1.8	1
140	Carbon Substitution Effects on Critical Current Properties of Superconductor MgB2. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2006, 41, 489-496.	0.1	1
141	Effect of Packing Density on Critical Current Density at High Magnetic Fields in Polycrystalline MgB2Superconductors. Japanese Journal of Applied Physics, 2012, 51, 123103.	0.8	1
142	Development of Highly Pure Polycrystalline Superconducting MgB₂ Bulks by Mg Vapor Transport (MVT) Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 341-345.	0.2	1
143	Recent Progress on the Development of High Temperature Superconducting Bulk Materials. IEEJ Transactions on Power and Energy, 2020, 140, 141-147.	0.1	1
144	Strong Relationship between Irreversibility Field and Crystallinity Discovered in Undoped and Carbon Substituted MgB2Bulks. Journal of Physics: Conference Series, 2006, 43, 111-114.	0.3	0

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145	Liquid dependence of microstructuring on paraffin substrate using submerged laser heating. Applied Physics A: Materials Science and Processing, 2008, 91, 445-450.	1.1	0
146	Critical Current Properties of c-Axis Oriented Hg(Re)1223 Bulks. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800404-6800404.	1.1	0
147	Bulk MgB₂ Permanent Magnets. Asian Journal of Social Science Studies, 2016, , 537-548.	0.0	0
148	Development of Iron-based Superconducting Bulk Magnet. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	0
149	Three-dimensional phase-field simulation of microstructure formation during solid-state sintering in polycrystalline superconducting materials. The Proceedings of the Computational Mechanics Conference, 2019, 2019.32, 034.	0.0	0
150	From a fascinating phenomenon towards an enabling technology: a breakthrough for higher and more reliable field trapping in HTS bulks. Superconductor Science and Technology, 2020, 33, 120501.	1.8	0
151	Recent Advances in Research and Development of MgB₂ Superconducting Bulks. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2022, 57, 3-8.	0.1	0