

Hiroyuki Fujishiro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Higher trapped field over 5T on HTSC bulk by modified pulse field magnetizing. Physica C: Superconductivity and Its Applications, 2006, 445-448, 334-338.	1.2	175
2	Modelling of bulk superconductor magnetization. Superconductor Science and Technology, 2015, 28, 053002.	3.5	141
3	Modelling and comparison of trapped fields in (RE)BCO bulk superconductors for activation using pulsed field magnetization. Superconductor Science and Technology, 2014, 27, 065008.	3.5	112
4	Simultaneous Measurement of Thermal Diffusivity and Conductivity Applied to Bi-2223 Ceramic Superconductors. Journal of the Physical Society of Japan, 1994, 63, 3107-3114.	1.6	75
5	Trapped magnetic field and vortex pinning properties of MgB ₂ superconducting bulk fabricated by a capsule method. Superconductor Science and Technology, 2012, 25, 095012.	3.5	69
6	Anisotropic Thermal Diffusivity and Conductivity of YBCO(123) and YBCO(211) Mixed Crystals. I. Japanese Journal of Applied Physics, 1994, 33, 4965-4970.	1.5	64
7	Metal-insulator transition and the \Pr shift in $\text{Pr}_{1-y}\text{Y}_y\text{Ca}_{0.7}\text{Co}_{0.3}\text{O}_3$. Physical Review B, 2010, 82, ...	3.2	63
8	Enhanced trapped field performance of bulk high-temperature superconductors using split coil, pulsed field magnetization with an iron yoke. Superconductor Science and Technology, 2016, 29, 074003.	3.5	63
9	Simulation of temperature and magnetic field distribution in superconducting bulk during pulsed field magnetization. Superconductor Science and Technology, 2010, 23, 105021.	3.5	58
10	Phase Transition to Antiferromagnetic State in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x \approx 0.5$). Journal of the Physical Society of Japan, 1998, 67, 1799-1800.	1.6	54
11	Record-High Trapped Magnetic Field by Pulse Field Magnetization Using GdBaCuO Bulk Superconductor. Japanese Journal of Applied Physics, 2005, 44, L1221-L1224.	1.5	45
12	Flux jump-assisted pulsed field magnetisation of high- T_c bulk high-temperature superconductors. Superconductor Science and Technology, 2016, 29, 124004.	3.5	39
13	Temperature rise in an Sm-based bulk superconductor after applying iterative pulse fields. Superconductor Science and Technology, 2004, 17, 51-57.	3.5	38
14	Time evolution and spatial distribution of temperature in YBCO bulk superconductor after pulse field magnetizing. Superconductor Science and Technology, 2003, 16, 809-814.	3.5	37
15	Generated heat during pulse field magnetizing for REBaCuO (RE = Gd, Sm, Y) bulk superconductors with different pinning abilities. Superconductor Science and Technology, 2005, 18, 158-165.	3.5	36
16	Simulation studies of mechanical stresses in REBaCuO superconducting ring bulks with infinite and finite height reinforced by metal ring during field-cooled magnetization. Superconductor Science and Technology, 2017, 30, 085008.	3.5	35
17	Valence Shift of Pr Ion from 3+ to 4+ in $\text{Pr}_{1-y}\text{Y}_y\text{Ca}_{0.7}\text{Co}_{0.3}\text{O}_3$ Estimated by X-Ray Absorption Spectroscopy. Journal of the Physical Society of Japan, 2012, 81, 064709.	1.6	33
18	Phase transition in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ and related cobaltites. European Physical Journal B, 2013, 86, 1.	1.5	33

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19	Ti-doping effects on magnetic properties of dense MgB ₂ bulk superconductors. Superconductor Science and Technology, 2015, 28, 095009.	3.5	33
20	Thermal conductivity, thermal diffusivity and thermoelectric power of Sm-based bulk superconductors. IEEE Transactions on Applied Superconductivity, 2002, 12, 1124-1127.	1.7	32
21	Pulsed Field Magnetization for GdBaCuO Bulk With Stronger Pinning Characteristics. IEEE Transactions on Applied Superconductivity, 2009, 19, 3545-3548.	1.7	32
22	Numerical simulation of the trapped field in MgB ₂ bulk disks magnetized by field cooling. Superconductor Science and Technology, 2014, 27, 065019.	3.5	32
23	Estimation of generated heat in pulse field magnetizing for SmBaCuO bulk superconductor. Physica C: Superconductivity and Its Applications, 2004, 412-414, 646-650.	1.2	31
24	Trapped Field Characteristics and Fracture Behavior of REBaCuO Bulk Ring During Pulsed Field Magnetization. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	31
25	Characteristics of Ag-Au alloy sheathed Bi-Pb-Sr-Ca superconducting tapes for current leads. Applied Physics Letters, 1994, 64, 1304-1305.	3.3	30
26	Anomalous Phonon-Spin Scattering in La _{1-x} Sr _x MnO ₃ . Journal of the Physical Society of Japan, 1998, 67, 1083-1085.	1.6	30
27	Toward Optimization of Multi-Pulse, Pulsed Field Magnetization of Bulk High-Temperature Superconductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-7.	1.7	30
28	Numerical modelling of mechanical stresses in bulk superconductor magnets with and without mechanical reinforcement. Superconductor Science and Technology, 2019, 32, 034002.	3.5	29
29	Rise-Time Elongation Effects on Trapped Field and Temperature Rise in Pulse Field Magnetization for High Temperature Superconducting Bulk. Japanese Journal of Applied Physics, 2005, 44, 4919-4925.	1.5	28
30	Importance of initial M-shaped trapped field profile in a two-stage pulse field magnetization (MMPSC) method. Physica C: Superconductivity and Its Applications, 2007, 463-465, 394-397.	1.2	28
31	Simultaneous Metal-Insulator and Spin-State Transition in (Pr _{1-y} RE _y) _{1-x} Ca _x CoO ₃ (RE=Nd, Sm, Gd, and Y). Journal of the Physical Society of Japan, 2010, 79, 034710.		27
32	Trapped Magnetic Field of Dense MgB ₂ Bulks Fabricated under High Pressure. Physics Procedia, 2013, 45, 93-96.	1.2	27
33	A new concept of a hybrid trapped field magnet lens. Superconductor Science and Technology, 2018, 31, 044005.	3.5	26
34	Sound Velocity Anomaly Associated with Polaron Ordering in La _{1-x} Sr _x MnO ₃ . Journal of the Physical Society of Japan, 1997, 66, 3703-3705.	1.6	25
35	Fracture behavior analysis of EuBaCuO superconducting ring bulk reinforced by a stainless steel ring during field-cooled magnetization. Superconductor Science and Technology, 2017, 30, 115006.	3.5	24
36	Anomalous Lattice Softening at X=0.19 and 0.82 in La _{1-x} Ca _x MnO ₃ . Journal of the Physical Society of Japan, 2001, 70, 628-631.	1.6	22

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37	Low-Thermal-Conductive DyBaCuO Bulk Superconductor for Current Lead Application. IEEE Transactions on Applied Superconductivity, 2006, 16, 1007-1010.	1.7	21
38	Enhancement of trapped field and total trapped flux on GdBaCuO bulk by the MMPSC+IMRA method. Superconductor Science and Technology, 2009, 22, 095006.	3.5	21
39	Thermal conductivity of single and multi-stacked DI-BSCCO tapes. Cryogenics, 2009, 49, 429-432.	1.7	21
40	Optimization of vortex pinning at grain boundaries on <i>ex-situ</i> MgB_2 bulks synthesized by spark plasma sintering. Superconductor Science and Technology, 2017, 30, 095007.	3.5	21
41	Thermal contact resistance between high- T_c superconductor and copper. Physica C: Superconductivity and Its Applications, 2001, 357-360, 785-788.	1.2	20
42	Analysis of Temperature and Magnetic Field Distribution in Superconducting Bulk During Pulsed Field Magnetization. IEEE Transactions on Applied Superconductivity, 2011, 21, 2723-2726.	1.7	19
43	Spin-state crossover and low-temperature magnetic state in yttrium-doped $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ $x \leq 0.7$. Physica C: Superconductivity and Its Applications, 2003, 392-396, 677-683.	3.2	19
44	Flux jumps in high- J_c MgB_2 bulks during pulsed field magnetization. Superconductor Science and Technology, 2016, 29, 034006.	3.5	19
45	Thermal conductivity of high strength polyethylene fiber in low temperature. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1495-1503.	2.1	17
46	Drastic improvement of the trapped field homogeneity in a superconducting hollow bulk by the insertion of a high- J_c superconducting cylinder for NMR bulk magnets. Superconductor Science and Technology, 2015, 28, 095018.	3.5	17
47	Thermal and mechanical properties of high T_c bulk superconductors and their applications. Physica C: Superconductivity and Its Applications, 2003, 392-396, 677-683.	1.2	16
48	Thermal Conductivity of YBCO Coated Conductors Reinforced by Metal Tape. IEEE Transactions on Applied Superconductivity, 2011, 21, 3037-3040.	1.7	16
49	Proposal of an effective mechanical reinforcement structure for a REBaCuO disk bulk pair by full metal encapsulation to achieve a higher trapped field over 20 T. Superconductor Science and Technology, 2019, 32, 045005.	3.5	16
50	Numerical simulation of flux jump behavior in REBaCuO ring bulks with an inhomogeneous J_c profile during pulsed-field magnetization. Superconductor Science and Technology, 2020, 33, 044003.	3.5	16
51	Canted Antiferromagnetic Order and Large Magnetoresistance Effect in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$, $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ and other RE $_{1-x}$ AXEMnO $_3$ Manganese Oxides ($x \approx 0.9$). Journal of the Physical Society of Japan, 2000, 69, 1865-1871.	1.6	15
52	Flux Motion Studies by Means of Temperature Measurement in Magnetizing Processes for HTSC Bulks. IEEE Transactions on Applied Superconductivity, 2004, 14, 1054-1057.	1.7	15
53	Database for thermal and mechanical properties of REBaCuO bulks. Physica C: Superconductivity and Its Applications, 2005, 426-431, 699-704.	1.2	14
54	Effect of Metal Ring Setting Outside HTSC Bulk Disk on Trapped Field and Temperature Rise in Pulse Field Magnetizing. IEEE Transactions on Applied Superconductivity, 2005, 15, 3762-3765.	1.7	14

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55	Thermally and field-driven spin-state transitions in $(\text{Pr}_{1-x}\text{Y}_x)_{0.7}\text{Ca}_{0.3}\text{CoO}_3$. Journal of Applied Physics, 2011, 109, . Simultaneous valence shift of Pr and Tb ions at the spin-state transition in $(\text{Pr}_{1-x}\text{Tb}_x)\text{ETQqO}_0\text{O}_0\text{rgBT}$. /Overlock 10 Tf 50 722 Td	2.5	14
56		3.2	14
57	Trapped field of 1.1 T without flux jumps in an MgB_2 bulk during pulsed field magnetization using a split coil with a soft iron yoke. Superconductor Science and Technology, 2016, 29, 084001.	3.5	14
58	Trapped field properties of a YBaCuO bulk by pulsed field magnetization using a split coil inserted by iron yokes with various geometries and electromagnetic properties. Physica C: Superconductivity and Its Applications, 2017, 536, 1-10.	1.2	14
59	Experimental realization of a hybrid trapped field magnet lens using a GdBaCuO magnetic lens and MgB_2 bulk cylinder. Superconductor Science and Technology, 2019, 32, 12LT03.	3.5	14
60	Two-level-like anomalous phonon scattering in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physica B: Condensed Matter, 1999, 263-264, 691-694.	2.7	13
61	Temperature rise and trapped field in a GdBaCuO bulk superconductor cooled down to 10K after applying pulsed magnetic field. Physica C: Superconductivity and Its Applications, 2005, 426-431, 671-675.	1.2	13
62	Trapped field and temperature rise on a ϕ 65 mm GdBaCuO bulk by pulse field magnetization. Superconductor Science and Technology, 2007, 20, 1009-1014.	3.5	13
63	Magnetism of perovskite cobaltites with Kramers rare-earth ions. Journal of Applied Physics, 2014, 115, .	2.5	13
64	New proposal of mechanical reinforcement structures to annular REBaCuO bulk magnet for compact and cryogen-free NMR spectrometer. Physica C: Superconductivity and Its Applications, 2018, 550, 52-56.	1.2	13
65	Oxidation states and thermoelectric properties of BiCuSeO bulks fabricated under Bi or Se deficiencies in the nominal composition. Journal of Applied Physics, 2018, 123, 245104.	2.5	13
66	Trapped Field Profiles on Square GdBaCuO Bulks with Different Arrangement of Growth Sector Boundaries. Japanese Journal of Applied Physics, 2012, 51, 093005.	1.5	13
67	Thermal conductivity of YBaCuO bulk superconductors under applied field: effect of content and size of Y211 phase. Physica C: Superconductivity and Its Applications, 2003, 392-396, 171-174.	1.2	12
68	Heat propagation analysis in HTSC bulks during pulse field magnetization. Superconductor Science and Technology, 2006, 19, S540-S544.	3.5	12
69	Trapped field and temperature rise in rectangular-shaped HTSC bulk magnetized by pulse fields. Physica C: Superconductivity and Its Applications, 2007, 463-465, 398-401.	1.2	12
70	Three-dimensional Simulation of Magnetic Flux Dynamics and Temperature Rise in HTSC Bulk during Pulsed Field Magnetization. Physics Procedia, 2012, 36, 687-692.	1.2	12
71	10T Class Trapped Field Properties of a Large Gd-Ba-Cu-O Bulk Superconductor. Physics Procedia, 2013, 45, 61-64.	1.2	12
72	Ground-state properties of the mixed-valence cobaltites $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{CoO}_3$, $\text{Nd}_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ and $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{CoO}_3$. Journal of Physics Condensed Matter, 2013, 25, 216006.	1.8	12

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73	Potential ability of 3 T-class trapped field on MgB ₂ bulk surface synthesized by the infiltration-capsule method. Superconductor Science and Technology, 2016, 29, 115003.	3.5	12
74	Promising effects of a new <i>hat</i> structure and double metal ring for mechanical reinforcement of a REBaCuO ring-shaped bulk during field-cooled magnetisation at 10 T without fracture. Superconductor Science and Technology, 2019, 32, 065001.	3.5	12
75	A record-high trapped field of 1.61 T in MgB ₂ bulk comprised of copper plates and soft iron yoke cylinder using pulsed-field magnetization. Superconductor Science and Technology, 2020, 33, 085002.	3.5	12
76	Magnetic, electrical and thermal properties of La _{0.80} Sr _{0.20} (Mn _y Co _{1-y})O ₃ . Physica B: Condensed Matter, 2003, 329-333, 922-923.	2.7	11
77	Temperature measurement of RE123 bulk superconductors on magnetizing process. Physica C: Superconductivity and Its Applications, 2004, 412-414, 688-694.	1.2	11
78	New Type Superconducting Bulk Magnet by Pulse Field Magnetizing With Usable Surface on Both Sides in Open Space. IEEE Transactions on Applied Superconductivity, 2006, 16, 1080-1083.	1.7	11
79	Trapped field characteristics on ̄65mm GdBaCuO bulk by modified multi-pulse technique with stepwise cooling (MMPSC). Physica C: Superconductivity and Its Applications, 2008, 468, 1477-1480.	1.2	11
80	Suppression of the metal-insulator transition by magnetic field in (Pr _{1-y} Y _y) _{0.7} Ca _{0.3} CoO ₃ (y=0.0625). Journal of Applied Physics, 2014, 115, 233914.	2.5	11
81	Field-cooled magnetization of Y-Ba-Cu-O superconducting bulk pair reinforced by full metal encapsulation under high magnetic fields up to 22 T. Journal of Applied Physics, 2019, 126, .	2.5	11
82	Characteristic Phonon Scattering Enhancement Correlated with Magnetic and Charge Orders in La _{1-x} Sr _x MnO ₃ (x < 0.50). Physica Status Solidi (B): Basic Research, 2001, 225, 135-143.	1.5	10
83	Effects of vapor-phase-formaldehyde treatments on thermal conductivity and diffusivity of ramie fibers in the range of low temperature. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2754-2766.	2.1	10
84	Enhancement of Trapped Field and Total Trapped Flux on High Temperature Bulk Superconductor by a New Pulse-Field Magnetization Method. Japanese Journal of Applied Physics, 2007, 46, 4108.	1.5	10
85	Trapped field enhancement of five-aligned superconducting bulk magnetized by pulse field for magnetic separation. Physica C: Superconductivity and Its Applications, 2008, 468, 1469-1472.	1.2	10
86	Thermal Transport in 90 K- and 60 K-Phase YBa ₂ Cu ₃ O _{7-x} High-Tc Oxides. Physica Status Solidi (B): Basic Research, 1998, 209, 413-426.	1.5	9
87	Thermal strain of high strength polyethylene fiber in low temperature. Journal of Applied Polymer Science, 2004, 93, 2918-2925.	2.6	9
88	Radiation effect on the thermal conductivity and diffusivity of ramie fibers in a range of low temperatures by ¹³⁷ I rays. Journal of Applied Polymer Science, 2006, 100, 5007-5018.	2.6	9
89	The radiation effect on thermal conductivity of high strength ultra-high-molecular-weight polyethylene fiber by ¹³⁷ I-rays. Journal of Applied Polymer Science, 2006, 101, 2619-2626.	2.6	9
90	Recent Progress of MgB_2 Bulk Magnets Magnetized by Pulsed Field. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9

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91	Trapped Field Enhancement of a Thin, High-Jc MgB ₂ Bulk Without Flux Jumps Using Pulsed Field Magnetization With a Split-Type Coil With a Soft Iron Yoke. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	9
92	Design Optimization of a Hybrid Trapped Field Magnet Lens (HTFML). IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	9
93	Thermal and magnetic strain measurements on a REBaCuO ring bulk reinforced by a metal ring during field-cooled magnetization. Superconductor Science and Technology, 2019, 32, 015007.	3.5	9
94	Thermal conductivity and phonon scattering mechanisms in La _{1-x} Mg _x CuO ₄ . Journal of Low Temperature Physics, 1996, 105, 981-986.	1.4	8
95	Approach from temperature measurement to trapped field enhancement in HTSC bulks by pulse field magnetizing. Physica C: Superconductivity and Its Applications, 2005, 426-431, 594-601.	1.2	8
96	Finite element analysis of pulsed field magnetization process in a cylindrical bulk superconductor. Physica C: Superconductivity and Its Applications, 2008, 468, 1494-1497.	1.2	8
97	Numerical Analysis of Bulk Superconducting Magnet Magnetized by Pulsed-Field Considering a Partial Difference of Superconducting Characteristics. IEEE Transactions on Applied Superconductivity, 2008, 18, 1545-1548.	1.7	8
98	Numerical Simulation of Trapped Field and Temperature Rise in MgB ₂ Bulks Magnetized by Pulsed Field. IEEE Transactions on Applied Superconductivity, 2013, 23, 6800804-6800804.	1.7	8
99	Thermoelectric Properties of Li-Doped CuO. Japanese Journal of Applied Physics, 2013, 52, 031102.	1.5	8
100	Electrical resistivity anomaly in (Pr _{1-y} My) _{1-x} CaxCoO ₃ epitaxial films (M=Y, Gd) fabricated by pulsed laser deposition. AIP Advances, 2016, 6, .	1.3	8
101	Vortex Pinning Properties of Dense Ti-Doped MgB ₂ Bulks Sintered at Different Temperatures. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	8
102	Pulsed Field Magnetization of Bridge-Seeded Bulk YBCO Using Solenoid and Split Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	8
103	Experimental realization of an all-(RE)BaCuO hybrid trapped field magnet lens generating a 9.8 T concentrated magnetic field from a 7 T external field. Superconductor Science and Technology, 2021, 34, 05LT02.	3.5	8
104	Modelling higher trapped fields by pulsed field magnetisation of composite bulk MgB ₂ superconducting rings. Superconductor Science and Technology, 2021, 34, 114003.	3.5	8
105	Metal-insulator transition and phonon scattering mechanisms in La _{1-x} SrxCoO ₃ . Physica B: Condensed Matter, 2006, 378-380, 529-531.	2.7	7
106	Development of five aligned superconducting bulk magnets by pulse field magnetizing. Physica C: Superconductivity and Its Applications, 2006, 445-448, 399-402.	1.2	7
107	The effect of $\hat{\gamma}$ -irradiation on thermal strain of high strength polyethylene fiber at low temperature. Journal of Applied Polymer Science, 2006, 102, 204-209.	2.6	7
108	Thermal conductivity of ramie fiber drawn in water in low temperature. Journal of Applied Polymer Science, 2006, 100, 2196-2202.	2.6	7

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109	Numerical Evaluation of Pulsed Field Magnetization in a Bulk Superconductor Using Energy Minimization Technique. IEEE Transactions on Applied Superconductivity, 2008, 18, 1557-1560.	1.7	7
110	Thermal Conductivity and Thermal Dilatation of Commercial BSCCO (DI-BSCCO) Tapes. IEEE Transactions on Applied Superconductivity, 2009, 19, 3034-3036.	1.7	7
111	Temperature measurements in small holes drilled in superconducting bulk during pulsed field magnetization. Physica C: Superconductivity and Its Applications, 2010, 470, 1181-1184.	1.2	7
112	A Proposal of New Fabricating Technique of Large MgB ₂ Bulk by a Capsule Method. IEEE Transactions on Applied Superconductivity, 2012, 22, 4401703-4401703.	1.7	7
113	Trapped magnetic field between double stacked MgB ₂ bulks magnetized by pulsed field. Journal of Physics: Conference Series, 2014, 507, 032016.	0.4	7
114	Numerical Simulation of Electromagnetic and Thermal Stress in REBaCuO Superconducting Ring and Disk Bulks Reinforced by Stainless Steel Ring With Various Widths During Field-Cooled Magnetization. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
115	Electromagnetic strain measurements and two-directional mechanical stress estimation for a REBaCuO ring bulk reinforced by a metal ring during field-cooled magnetization. Superconductor Science and Technology, 2019, 32, 125011.	3.5	7
116	A conceptual study of a high gradient trapped field magnet (HG-TFM) toward providing a quasi-zero gravity space on Earth. Superconductor Science and Technology, 2021, 34, 035001.	3.5	7
117	Effects of Carbon Doping on Trapped Magnetic Field of MgB ₂ Bulk Prepared by <i>in-situ</i> Hot Isostatic Pressing Method. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	7
118	Possibility of mechanical fracture of superconducting ring bulks due to thermal stress induced by local heat generation during pulsed-field magnetization. Superconductor Science and Technology, 2022, 35, 045015.	3.5	7
119	Temperature and Magnetic Field Dependence of the Coexistent Phases in La _{1-x} CaxMnO ₃ + \hat{I} (x=0.47, 0.49). Journal of the Physical Society of Japan, 2003, 72, 817-821.	1.6	6
120	Anomalous phonon scattering by Jahn-Teller active Co intermediate spins in LaCoO ₃ and doped LaCoO ₃ . Physica B: Condensed Matter, 2005, 359-361, 1360-1362.	2.7	6
121	Estimation of temperature rise from trapped field gradient on superconducting bulk magnetized by multi-pulse technique. Superconductor Science and Technology, 2010, 23, 025013.	3.5	6
122	Simulation of flux dynamics in a superconducting bulk magnetized by multi-pulse technique. Physica C: Superconductivity and Its Applications, 2011, 471, 889-892.	1.2	6
123	Pulsed Field Magnetization of Single-Grain Bulk YBCO Processed From Graded Precursor Powders. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	6
124	Trapped magnetic-field properties of prototype for Gd-Ba-Cu-O/MgB ₂ hybrid-type superconducting bulk magnet. Superconductor Science and Technology, 2016, 29, 034005.	3.5	6
125	Electrical resistivity anomaly, valence shift of Pr ion, and magnetic behavior in epitaxial (Pr _{1-y} Y _y) _{1-x} CaxCoO ₃ thin films under compressive strain. Journal of Applied Physics, 2017, 121, 115104.	2.5	6
126	Optimization of Infiltration and Reaction Process for the Production of Strong MgB ₂ Bulk Magnets. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	6

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127	Influence of $J_c(B, T)$ Characteristics on the Pulsed Field Magnetization of REBaCuO Disk Bulks. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	6
128	Thermal Properties of GdBaCuO Bulk Superconductors. Comparison with YBaCuO Bulk Crystals.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 659-664.	0.1	6
129	Enhanced Phonon Heat Conduction Correlated with Induced Ferromagnetic Metallic Phase in Pr _{0.65} Ca _{0.35} (Mn _{1-x} Zr _x)O ₃ . Journal of the Physical Society of Japan, 2001, 70, 2616-2621.	1.6	5
130	Additional effect of Ag and 211 phase on thermal expansion of REBaCuO bulk superconductor (RE=Sm, Y). J. Appl. Phys., 2009, 105, 094105.	1.7	5
131	Thermal conductivity of Pr _{0.65} (Ca _{1-x} Zr _x) _{0.35} MnO ₃ under applied field. Physica B: Condensed Matter, 2003, 329-333, 924-925.	2.7	5
132	Solution Growth and Structures of Semiconducting Distyryl-Oligothiophene. Molecular Crystals and Liquid Crystals, 2008, 491, 264-269.	0.9	5
133	Highly efficient magnetic separation using five-aligned superconducting bulk magnet. Journal of Physics: Conference Series, 2010, 234, 032015.	0.4	5
134	Simulation study for magnetic levitation in pure water exploiting the ultra-high magnetic field gradient product of a hybrid trapped field magnet lens (HTFML). Journal of Applied Physics, 2020, 127, .	2.5	5
135	Realisation of Hybrid Trapped Field Magnetic Lens (HTFML) consisting of REBCO bulk lens and REBCO bulk cylinder at 77 K. Journal of Physics: Conference Series, 2020, 1559, 012079.	0.4	5
136	Pulsed-field magnetisation of Y-Ba-Cu-O bulk superconductors fabricated by the infiltration growth technique. Superconductor Science and Technology, 2020, 33, 115012.	3.5	5
137	Thermal Transport Anomaly Associated with Weak Ferromagnetism in CaMnO ₃ . Journal of the Physical Society of Japan, 2000, 69, 2082-2086.	1.6	5
138	Energy gap symmetry and thermal conductivity of YBa ₂ Cu ₃ O ₇ . Journal of Low Temperature Physics, 1997, 107, 467-472.	1.4	4
139	Effect of oxygen content variation on phonon heat transport in La _{0.75} Ca _{0.25} MnO _{3+δ} . Physica B: Condensed Matter, 2002, 316-317, 265-268.	2.7	4
140	Repulsive Flux Pinning Force in NbTi/Nb Superconductor/Superconductor Multilayers. Journal of Low Temperature Physics, 2004, 137, 125-137.	1.4	4
141	Lattice effect on ferromagnetic-metal phase transition in Pr _{0.65} Ca _{0.35} (Mn _{1-x} Zr _x)O ₃ and Pr _{0.65} Ca _{0.35} (Mn _{1-x} Zr _x)O ₃ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1798-1799.	2.3	4
142	Possible explanation for trapped field enhancement on REBaCuO bulk by modified multi-pulse technique with stepwise cooling (MMPSC). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 95-100.	3.5	4
143	Enhancement of total trapped fluxes on 65mm GdBaCuO bulk by multi-pulse techniques. Physica C: Superconductivity and Its Applications, 2009, 469, 1250-1253.	1.2	4
144	Trapped Field and Flux Dynamics in MgB ₂ Superconducting Bulks Magnetized by Pulsed Field. Physics Procedia, 2014, 58, 286-289.	1.2	4

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145	Development of 4 T Class MgB ₂ Bulk Magnets Doped by Ti. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
146	Pulsed-Field Magnetizing Characteristics of Rectangular-Shaped Gd _{1-x} Ba _x CuO Bulk Using Split- and Solenoid-Type Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	4
147	Thermal Conductivity and Dilatation of Bi-2223/Ag (DI-BSCCO) Superconducting Wire Laminated With Various Thin Alloy Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	4
148	Influence of Inner Diameter and Height of Ring-Shaped REBaCuO Bulks on Trapped Field and Mechanical Stress During Field-Cooled Magnetization. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	4
149	Optimized performance of an all-REBaCuO hybrid trapped field magnet lens (HTFML) with liquid nitrogen cooling. Physica C: Superconductivity and Its Applications, 2020, 575, 1353690.	1.2	4
150	250 A-Class Y-Ba-Cu-O Bulk Current Leads Usable in 0.5 T-77 K.. TEION KOGAKU (Journal of Cryogenics) 2020, 47, 100-104.	0.1	4
151	Structure and Electrical Properties of Low-Pressure-Plasma-Sprayed Silicon-Based Materials. Journal of the Ceramic Society of Japan, 1994, 102, 1-4.	1.3	3
152	Thermal Conductivity in the ab-Plane of the Organic Conductor $\kappa\text{-(BEDT-TTF)}_2\text{I}_3$. Journal of the Physical Society of Japan, 1996, 65, 651-651.	1.6	3
153	Enhanced Phonon Scattering Below T_c Caused by Zn and Ni Substitution in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$. Journal of Low Temperature Physics, 1999, 117, 1181-1185.	1.4	3
154	Elastic and thermal transport properties of $(\text{Pr}_{1-x}\text{Sm}_x)_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ at metal-insulator transition. Journal of Physics: Conference Series, 2010, 200, 012137.	0.4	3
155	Effect of Carrier Doping on Physical Properties of A-Site Ordered Perovskite $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. Journal of the Physical Society of Japan, 2011, 80, SA113.	1.6	3
156	Trapped Field Profiles on Square GdBaCuO Bulks with Different Arrangement of Growth Sector Boundaries. Japanese Journal of Applied Physics, 2012, 51, 093005.	1.5	3
157	Shielding and Trapped Field Properties of Large MgB ₂ Bulk. Physics Procedia, 2014, 58, 306-309.	1.2	3
158	Crystal orientation, crystallinity, and thermoelectric properties of $\text{Bi}_{0.9}\text{Sr}_{0.1}\text{CuSeO}$ epitaxial films grown by pulsed laser deposition. Japanese Journal of Applied Physics, 2018, 57, 025502.	1.5	3
159	Flux pinning and dimensionality of superconductivity in multilayers. European Physical Journal D, 1996, 46, 719-720.	0.4	2
160	Heat transport anomalies around ferromagnetic and charge-order transitions in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. AIP Conference Proceedings, 2001, , .	0.4	2
161	Heat Transport Enhancement in Ferromagnetic Metallic Phase of $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$. Journal of the Physical Society of Japan, 2002, 71, 142-144.	1.6	2
162	Preparation of $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ Compounds with Enhanced Superconducting Transition Temperature. Journal of Low Temperature Physics, 2003, 131, 589-593.	1.4	2

#	ARTICLE	IF	CITATIONS
163	Thermal conductivity anomaly in La _{0.52} Ca _{0.48} MnO ₃ under applied field. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 499-500.	2.7	2
164	Thermal Conductivity Anomalies of RECoO ₃ (RE = La, Nd) Related to Valency and Spin State of Co Ion. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 084603.	1.6	2
165	Size Effect of Magnetizing Solenoid Coil for Pulsed Field Magnetization on the Trapped Field on Superconducting Bulk. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4700204-4700204.	1.7	2
166	Trapped Field Properties of GdBaCuO Bulk Superconductors of Various Diameters Magnetized by Pulsed Fields Using an Identical Split Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	2
167	Flux Dynamics and Thermal Behavior of a GdBaCuO Bulk Magnetized by Single- and Double-Pulse Techniques Using a Split-Type Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-5.	1.7	2
168	Synthetic Analyses of T _c and H _{c2} of NbTi/Nb Superconductor/Superconductor Superlattice. , 2001, 223, 799.		2
169	Proposal of three terminal method for low temperature thermal diffusivity measurement. <i>European Physical Journal D</i> , 1996, 46, 2761-2762.	0.4	1
170	Percolation Analyses on Transport Properties of YBa ₂ Cu ₃ O _{7-x} -Ag System. <i>Journal of Low Temperature Physics</i> , 1999, 117, 1289-1293.	1.4	1
171	Synthetic Analyses of T _c and H _{c2} of NbTi/Nb Superconductor/Superconductor Superlattice. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 223, 799-809.	1.5	1
172	Stabilization of Ferromagnetic Metallic Phase and Anomalous Magnetotransport in Pr _{1-x} Ca _x (Mn _{1-z} Co _z)O ₃ . <i>Journal of the Physical Society of Japan</i> , 2002, 71, 145-147.	1.6	1
173	J _c distribution measurement and analysis on superconducting bulk using a Magnetoscan method. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 893-896.	1.2	1
174	Magnetic separation technique for groundwater by five HTS melt-processed bulk magnets arranged in a line. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 1506-1510.	1.2	1
175	Substitution effect of tetravalent and pentavalent elements on thermoelectric properties in In ₂ O ₃ -SnO ₂ system. <i>Transactions of the Materials Research Society of Japan</i> , 2016, 41, 101-108.	0.2	1
176	Simulation of mechanical stresses in reinforced REBaCuO disk bulks during pulsed-field magnetization. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012029.	0.4	1
177	Numerical simulation of a hybrid trapped field magnet lens (HTFML) magnetized by pulsed fields. <i>Journal of Physics: Conference Series</i> , 2020, 1590, 012048.	0.4	1
178	Trapped Field Properties of MgB ₂ Bulks Prepared Via an <i>in-situ</i> Infiltration-Reaction Process Using Refined Boron Powders. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.7	1
179	Validation of a desktop-type magnet providing a quasi-microgravity space in a room-temperature bore of a high-gradient trapped field magnet (HG-TFM). <i>Superconductor Science and Technology</i> , 2022, 35, 054003.	3.5	1
180	Pulsed Field Magnetization of GdBaCuO Superconducting Bulks With High Magnetization Efficiency Using a Split-Type Coil With Soft Iron Yoke. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.7	1

#	ARTICLE	IF	CITATIONS
181	Exact Observation of Oxygen Radicals by Voltage Locked Loop Method for the Application to Molecular Beam Epitaxial Growth. Materials Transactions, JIM, 1996, 37, 898-901.	0.9	0
182	Effect of Y-site and Ba-site substitution on thermal properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. European Physical Journal D, 1996, 46, 1207-1208.	0.4	0
183	Transport and thermal properties of amorphous Mn-Y alloys. European Physical Journal D, 1996, 46, 2241-2242.	0.4	0
184	Enhanced thermoelectric properties at $x \approx 0.1$ in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ and $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{M}_y\text{O}_3$ (M=Cr, Cu)., 0, , .		0
185	Search for p-type oxide thermoelectrics - cobaltites., 0, , .		0
186	Analyses of the Pinning Mechanism for the Superconductor/Normal-Metal and Superconductor/Superconductor Multilayers. Journal of Superconductivity and Novel Magnetism, 2006, 19, 117-123.	1.8	0
187	Thermoelectric properties of Li-doped $\text{Cu}_{0.95-x}\text{M}_{0.05}\text{Li}_x\text{O}$ (M=Mn, Ni, Zn). Materials Research Society Symposia Proceedings, 2012, 1490, 69-73.	0.1	0