

Satoshi Awaji

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8159336/publications.pdf>

Version: 2024-02-01

651
papers

8,778
citations

76326

40
h-index

118850

62
g-index

656
all docs

656
docs citations

656
times ranked

4180
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Field Critical Current Properties of (Bi, _{1-x} Tl _x)ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (Pb) ₂ Sr ₂ Ca ₂ Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
2	AC Loss Measurements in an HTS Coil Wound Using Two-Ply Bundle Conductor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
3	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. Superconductor Science and Technology, 2022, 35, 02LT01.	3.5	9
4	Superconducting properties and pinning mechanism of filamentary (Sm,Gd,Dy)â€“Baâ€“Cuâ€“O doped with Co. Physica C: Superconductivity and Its Applications, 2022, 594, 1354020.	1.2	0
5	REBCO Coil With Robust Behavior Against Local Defects Wound Using Two-Tape Bundle. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.7	10
6	Enhancement of the Magnetoelectric Effect Using the Dynamic Jahn-Teller Effect in a Transition-Metal Complex. Physical Review Letters, 2022, 128, 117601.	7.8	2
7	Performance of Thin Cu-Nb/Nb ₃ Sn Round Wires and Tapes Pre-Bent for R&W Process. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.7	2
8	Rectification at Various Temperatures in YBa ₂ Cu ₃ O _y Coated Conductors With PrBa ₂ Cu ₃ O _y Buffer Layers. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
9	Performance Under Transverse Compressive Stress of Internal Matrix Reinforced Nb ₃ Sn Multifilamentary Wires Using Various Ternary Bronze Alloys. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	0
10	Mechanical Properties of Four-Stacked Two Tape Bundled REBCO Pancake Coils. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
11	Finite Element Analysis of AC Losses in Pancake Coils Wound Using Two-Ply Bundle Conductor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0
12	Present status of the high mechanical strengthened Nb ₃ Sn superconducting wires for fusion applications. Journal of Nuclear Materials, 2022, 567, 153808.	2.7	1
13	Microstructure, pinning properties, and aging of CSD-grown SmBa ₂ Cu ₃ O _{7-δ} films with and without BaHfO ₃ nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	3.5	8
14	Electromagnetic Characteristics Study of Two-Ply REBCO Tapes Pancake Coils. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	6
15	Development and large volume production of extremely high current density YBa ₂ Cu ₃ O ₇ superconducting wires for fusion. Scientific Reports, 2021, 11, 2084.	3.3	106
16	Mechanical and critical current characteristics of high-strength (Bi, _{1-x} Tl _x)ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Pb) ₂ Sr ₂ Ca ₂ strain. Superconductor Science and Technology, 2021, 34, 025017.	3.5	3
17	Overcoming optimization constraint for J _c by hybrid pinning in YBa ₂ Cu ₃ O ₇ films containing nanorods. Japanese Journal of Applied Physics, 2021, 60, 023001.	1.5	3
18	Electric Quadrupolar Contributions in the Magnetic Phases of UNi ₄ B. Physical Review Letters, 2021, 126, 157201.	7.8	13

#	ARTICLE	IF	CITATIONS
19	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. Superconductor Science and Technology, 2021, 34, 065004.	3.5	6
20	Properties of seven-filament Cu/Ag-sheathed (Ba,K)Fe ₂ As ₂ tapes fabricated from round and square wires. Rare Metals, 2021, 40, 3651-3659.	7.1	2
21	High-performance Ba _{1-x} K _x Fe ₂ As ₂ superconducting tapes with grain texture engineered via a scalable fabrication. Science China Materials, 2021, 64, 2530-2540.	6.3	24
22	Enhancing Transport Performance in 7-filamentary Ba _{0.6} K _{0.4} Fe ₂ As ₂ Wires and Tapes via Hot Isostatic Pressing. Physica C: Superconductivity and Its Applications, 2021, 585, 1353870.	1.2	11
23	Development of Superconducting Coils using (Ba, Na)Fe ₂ As ₂ Round Wires with Large Critical Current. Journal of Physics: Conference Series, 2021, 1975, 012020.	0.4	0
24	Suppression of the critical current degradation under the compressive stress on the internal reinforcement bronze processed Nb ₃ Sn wire using Cu-Sn-In ternary bronze alloy matrix. Fusion Engineering and Design, 2021, 168, 112365.	1.9	2
25	In-Plane Domain Control of REBCO Coated Conductors by Annealing Under Bending Strain. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	5
26	Robust REBCO Insert Coil for Upgrade of 25 T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	24
27	Detection and Protection Against Quench/Local Thermal Runaway for a 30 T Cryogen-Free Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	11
28	Fabrication and Characterization of (Ba,Na)Fe ₂ As ₂ Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
29	Hoop Stress Tests of an Epoxy-Impregnated REBCO Coil With Fluorine-Coated Polyimide Insulation. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
30	Development of High-Performance Cu-Nb/Nb ₃ Sn Wires for Various High Field Magnets. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	8
31	Fabrication of small superconducting coils using (Ba,A)Fe ₂ As ₂ (A: Na, K) round wires with large critical current densities. Superconductor Science and Technology, 2021, 34, 105008.	3.5	21
32	Pinning analyses of a BaHfO ₃ -containing GdBa ₂ Cu ₃ O _{7-δ} thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	3.5	3
33	Development of a High Current Density Distributed Tin Method Nb ₃ Sn Wire. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	13
34	Fabrications and evaluations of critical current density of (Ba,Na)Fe ₂ As ₂ HIP round wires. Physica C: Superconductivity and Its Applications, 2020, 568, 1353580.	1.2	6
35	Single-domain formation of SrMnBi ₂ films on polar LaAlO ₃ substrate. AIP Advances, 2020, 10, 105216.	1.3	3
36	Fabrication and Characterizations of KCa ₂ Fe ₄ As ₄ F ₂ Superconducting HIP Wires. Journal of Physics: Conference Series, 2020, 1590, 012026.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Fabrication of (Ba,Na)Fe ₂ As ₂ round wires and tapes using HIP process. Journal of Physics: Conference Series, 2020, 1590, 012027.	0.4	1
38	Performance Evaluation of Practical REBCO Coated Conductor Tapes for Superconducting Wind Power Coils. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	7
39	Evaluation of Various Nb-Rod-Method Cu-Nb/Nb ₃ Sn Wires Designed for Practical React-and-Wind Coils. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
40	Deposition-Temperature Dependence of Vortex Pinning Property in YBa ₂ Cu ₃ O ₇ +BaHfO ₃ Films. Materials Transactions, 2020, 61, 449-454.	1.2	2
41	Quadrupolar susceptibility and magnetic phase diagram of PrNi ₂ Cd ₂₀ with non-Kramers doublet ground state. Philosophical Magazine, 2020, 100, 1268-1281.	1.6	3
42	Mechanical Strength Evaluation of the Internal Matrix Reinforced Nb ₃ Sn Multifilamentary Wires Using Cu-Sn Ternary Alloy Matrix. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	5
43	Electromechanical Properties Evaluation of Multifilamentary MgB ₂ Wires With Different Reinforcements. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	1
44	A possible explanation for double-peak structure in strain dependence of critical current density in REBa ₂ Cu ₃ O _{7-δ} coated conductors. Superconductor Science and Technology, 2020, 33, 094014.	3.5	4
45	Mechanical Properties of BaHfO ₃ -Doped EuBCO Coated Conductors Fabricated by Hot-Wall PLD on IBAD Template. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	10
46	Enhancement of critical current density in (Ba,Na)Fe ₂ As ₂ round wires using high-pressure sintering. Superconductor Science and Technology, 2020, 33, 065001.	3.5	20
47	Simultaneous achievement of high J_c and suppressed J_c anisotropy by hybrid pinning in YBa ₂ Cu ₃ O ₇ three-phase-nanocomposite film. Superconductor Science and Technology, 2020, 33, 105003.	3.5	5
48	Developments of (Ba,Na)Fe ₂ As ₂ and CaKFe ₄ As ₄ HIP round wires. Superconductor Science and Technology, 2020, 33, 104001.	3.5	14
49	A record-high trapped field of 5.6 T in the stacking of MgB ₂ /TiB ₂ composite bulks prepared by an in-situ hot isostatic pressing method. Superconductor Science and Technology, 2020, 33, 125004.	3.5	18
50	Magnetic-field-induced topological phase transition in Fe-doped S_{Fe} heterostructures. Physical Review Materials, 2020, 4, .	2.4	15
51	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
52	AC losses and induced fields in HTS coil wound using two-ply coated conductors. Journal of Physics: Conference Series, 2020, 1559, 012130.	0.4	4
53	Simulation of Local Dissipation Phenomena in the REBCO Insert of the 25-T CSM Magnet: Understanding and Preventing Destructive Thermal Runaway. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	12
54	Effects of core density and impurities on the critical current density of CaKFe ₄ As ₄ superconducting tapes. Superconductor Science and Technology, 2019, 32, 105014.	3.5	13

#	ARTICLE	IF	CITATIONS
55	Recent Progress of Iron-Based Superconducting Round Wires. Journal of Physics: Conference Series, 2019, 1293, 012042.	0.4	3
56	Fabrication of (Ba,Na)Fe ₂ As ₂ round wires using HIP process. Journal of Physics: Conference Series, 2019, 1293, 012043.	0.4	5
57	Magnetocapacitance effect and magnetostriction by the field-induced spin-crossover in [MnIII(taa)]. AIP Advances, 2019, 9, .	1.3	15
58	Enhancement of the critical current density in Cu/Ag composite sheathed (Ba, Tl) ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (K)Fe ₂ As ₂ 096003.	1.6	6
59	Demonstration of Excellent <i>J_c</i> Performance in (Na)Fe ₂ As ₂ (AE: Sr, Ba) PIT Wires. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	9
60	Longitudinal Magnetic Field Effects on (Y,Gd)Ba ₂ Cu ₃ O _{7-δ} Coated Conductor With BaHfO ₃ Nanoparticles Fabricated by UTOC-MOD Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
61	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
62	Characterization of Electromechanical Properties in Differently Sheathed MgB ₂ Wires Under Uniaxial Tension. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
63	Superconducting Joint of GdBa ₂ Cu ₃ O _y Coated Conductors by Crystallization of an Additionally Deposited Precursor Layer. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	6
64	Effect of C Doping Level and the Ratio of Mg to B on the MgB ₂ Wires Fabricated by Internal Mg Diffusion Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
65	3-D Properties in (RE)BCO Tapes Measured in Fields up to 35T. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
66	Microstructures of superconducting joint between GdBa ₂ Cu ₃ O _y -coated conductors via additionally deposited precursor films. Japanese Journal of Applied Physics, 2019, 58, 050913.	1.5	6
67	Performance of Polyvinyl Formal Insulated Cu-Nb/Nb ₃ Sn Wires for React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	5
68	Influence of joint pressure on superconducting and mechanical properties for jointed GdBa ₂ Cu ₃ O _y coated conductors via precursor films. Japanese Journal of Applied Physics, 2019, 58, 050907.	1.5	2
69	Flux-Pinning Properties of BaHfO ₃ -Doped EuBCO-Coated Conductors Fabricated by Hot-Wall PLD. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	46
70	Field Stability Analysis of 25Â Cryogen-Free Superconducting Magnet and Upgrade Plans for 30Â System at HFLSM, IMR, Tohoku University. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	15
71	Superconductivity under uniaxial tensile strain on internal reinforced Nb ₃ Sn multifilamentary wire using Cu-Sn-Zn ternary alloy matrix. IOP Conference Series: Materials Science and Engineering, 2019, 502, 012175.	0.6	1
72	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	3.2	9

#	ARTICLE	IF	CITATIONS
73	Magnetoelastic Coupling in the Perovskite-type Co Oxides $\text{Sr}_{1-x}\text{Y}_x\text{CoO}_3$. Journal of the Physical Society of Japan, 2019, 88, 124706.	1.6	0
74	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
75	Effect of neutron irradiation on Nb_3Sn wire. Superconductor Science and Technology, 2019, 32, 024004.	3.5	4
76	Deposition-Temperature Dependence of Vortex Pinning Property in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x} + \text{BaHfO}_3$ Film. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 320-326.	0.4	1
77	Joint Resistance Characteristics in Ultrasonic Weld REBCO CC Tapes at Various Temperatures and Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
78	Strain Characteristics of I_c in Brass-Laminated GdBCO CC Tape Under Tension at Various Low Temperature and Magnetic Field Conditions. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	1
79	Influence of Bolt Positions and Electrode Structure in Yoroi-Coil Structure on Stress Distribution in an HTS Coil Winding. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	1
80	Epitaxial contact Andreev reflection spectroscopy of NbN/Co ₂ FeSi layered devices. Applied Physics Letters, 2018, 112, .	3.3	7
81	Nb-Rod-Method Cu-Nb/Nb ₃ Sn Wires for Practical React-and-Wind Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
82	Experimental Investigation of Bi-2223/Ag Superconducting Tape Joints. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-3.	1.7	7
83	Large magneto-thermopower in MnGe with topological spin texture. Nature Communications, 2018, 9, 408.	12.8	36
84	Performance of an HTS Persistent Current System for REBCO Pancake Coil. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	17
85	Improvements of fabrication processes and enhancement of critical current densities in $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$ HIP wires and tapes. Superconductor Science and Technology, 2018, 31, 055016.	3.5	59
86	Influences of Tape Thickness on the Properties of Ag-Sheathed $\text{Sr}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ Superconducting Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	8
87	Development of Long-Length BMO-Doped REBCO Coated Conductors by Hot-Wall PLD Process. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	19
88	Improved Flux Pinning for High-Field Applications in BaHfO ₃ -Doped SmBa ₂ Cu ₃ Oy-Coated Conductors With High Density of Random Pinning Centers Induced by BaHfO ₃ Nanorods. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	4
89	Enhancement of In-Field Critical Current Density of BaZrO ₃ -Added (Y, Gd) BCO-Coated Conductors by Using a Multi-Coating TFA-MOD Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	1
90	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co ₂ MnSi under high magnetic fields. Physica B: Condensed Matter, 2018, 536, 310-313.	2.7	10

#	ARTICLE	IF	CITATIONS
91	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe ₂ As ₂ superconducting tapes. Journal of Physics: Conference Series, 2018, 1054, 012045.	0.4	4
92	Fabrication and characterization of CaKFe ₄ As ₄ round wires sintered at high pressure. Applied Physics Express, 2018, 11, 123101.	2.4	22
93	Thermal expansion and magnetostriction measurements of perovskite-type Co oxides Sr _{1-x} Y _x Co ₃ Fe in high magnetic fields. Journal of Physics: Conference Series, 2018, 969, 012109.	0.4	0
94	Fabrication Process and Pressure Dependence of Critical Current Density in Ba _{1-x} K _x Fe ₂ As ₂ Superconducting HIP Wires. Journal of Physics: Conference Series, 2018, 1054, 012044.	0.4	0
95	Development and application of 2.5â€“GPaâ€“25â€“T high-pressure high-field electron spin resonance system using a cryogen-free superconducting magnet. Journal of Magnetic Resonance, 2018, 296, 1-4.	2.1	12
96	Anisotropy of the upper critical field and its thickness dependence in superconducting FeSe electric-double-layer transistors. Physical Review B, 2018, 97, .	3.2	9
97	High transport current superconductivity in powder-in-tube Ba _{0.6} K _{0.4} Fe ₂ As ₂ tapes at 27 T. Superconductor Science and Technology, 2018, 31, 015017.	3.5	76
98	Study of Growth Process for YBa ₂ Cu ₃ O _y Coated Conductors With BaZrO ₃ Flux Pinning Centers by Monitoring Electrical Conductivity. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	2
99	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe ₂ As ₂ tape. Applied Physics Express, 2018, 11, 063101.	2.4	11
100	Miniaturization of BaHfO ₃ nanoparticles in YBa ₂ Cu ₃ O _y -coated conductors using a two-step heating process in the TFA-MOD method. Superconductor Science and Technology, 2017, 30, 025022.	3.5	10
101	Properties of Multifilamentary MgB ₂ Wires Fabricated by Internal Magnesium Diffusion Using Amorphous and Crystalline Boron Powders. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	7
102	Effect of Nanorod Alignment on Flux Pinning State in BaHfO ₃ Doped SmBa ₂ Cu ₃ O _y Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	1
103	Transport properties of multifilament MgB ₂ long wires and coils prepared by an internal Mg diffusion process. Superconductor Science and Technology, 2017, 30, 064003.	3.5	18
104	Enhanced transport critical current density in Sn-added SmFeAsO _{1-x} F _x tapes prepared by the PIT method. Superconductor Science and Technology, 2017, 30, 065004.	3.5	8
105	Pin potential effect on vortex pinning in YBa ₂ Cu ₃ O _{7-Î} films containing nanorods: Pin size effect and mixed pinning. Applied Physics Letters, 2017, 110, .	3.3	21
106	Design and Test Results of a Cryogenic Cooling System for a 25-T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	13
107	Transport critical current density of high-strength Sr _{1-x} K _x Fe ₂ As ₂ /Ag/Monel composite conductors. Superconductor Science and Technology, 2017, 30, 075010.	3.5	16
108	First performance test of a 25 T cryogen-free superconducting magnet. Superconductor Science and Technology, 2017, 30, 065001.	3.5	128

#	ARTICLE	IF	CITATIONS
109	Anomalous anisotropy of critical currents in (Sr, K)Fe ₂ As ₂ tapes. Superconductor Science and Technology, 2017, 30, 035018.	3.5	12
110	Strongc-axis correlated pinning and hybrid pinning in YBa ₂ Cu ₃ O _{7-δ} films containing BaHfO ₃ nanorods and stacking faults. Superconductor Science and Technology, 2017, 30, 074009.	3.5	8
111	Preliminary Tests and Margin Estimate for a REBCO Insulated 10 T Insert Under High Magnetic Field. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	10
112	Development of an 11 T BSCCO Insert Coil for a 25 T Cryogen-free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, , 1-1.	1.7	16
113	Fabrication and Characterization of Epitaxial Films of Superconductor NbN and Highly Spin-Polarized Heusler Alloy Co ₂ Fe _{0.4} Mn _{0.6} Si. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	5
114	Superconducting Properties of 100-m Class Sr _{0.6} K _{0.4} Fe ₂ As ₂ Tape and Pancake Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	52
115	Strongly enhanced irreversibility field and flux pinning force density in SmBa ₂ Cu ₃ O _{δ} -coated conductors with well-aligned BaHfO ₃ nanorods. Applied Physics Express, 2017, 10, 103101.	2.4	11
116	Flux pinning landscape up to 25 T in SmBa ₂ Cu ₃ O _{δ} films with BaHfO ₃ nanorods fabricated by low-temperature growth technique. Superconductor Science and Technology, 2017, 30, 104004.	3.5	22
117	Temperature dependence of critical currents in REBCO thin films with artificial pinning centers. Superconductor Science and Technology, 2017, 30, 104006.	3.5	7
118	Transport current density at temperatures up to 25 K of Cu/Ag composite sheathed 122-type tapes and wires. Superconductor Science and Technology, 2017, 30, 115007.	3.5	22
119	Approaches in controllable generation of artificial pinning center in REBa ₂ Cu ₃ O _{δ} -coated conductor for high-flux pinning. Superconductor Science and Technology, 2017, 30, 104002.	3.5	28
120	Isotropic enhancement in the critical current density of YBCO thin films incorporating nanoscale Y ₂ BaCuO ₅ inclusions. Journal of Applied Physics, 2017, 122, .	2.5	25
121	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. NPC Asia Materials, 2017, 9, e447-e447.	7.9	57
122	Effect of Co doping on the transport critical current density of rapidly heat-treated filamentary (Nd,Sm,Gd)â€“Baâ€“Cuâ€“O superconductors. Physica C: Superconductivity and Its Applications, 2017, 539, 44-48.	1.2	1
123	Strong flux pinning at 4.2 K in SmBa ₂ Cu ₃ O _{δ} -coated conductors with BaHfO ₃ nanorods controlled by low growth temperature. Superconductor Science and Technology, 2017, 30, 084009.	3.5	23
124	BMO-Doped REBCO-Coated Conductors for Uniform In-Field I_{c} by Hot-Wall PLD Process Using IBAD Template. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	37
125	Magnetostriction enhancement by high magnetic field annealing in cast Fe ₈₁ Ga ₁₉ alloy. Journal of Magnetism and Magnetic Materials, 2017, 442, 128-135.	2.3	19
126	The Effect of High Magnetic Field on Electromagnetic Response and Microwave Absorption of Cobalt Particles During Annealing Process. Journal of Superconductivity and Novel Magnetism, 2017, 30, 463-468.	1.8	4

#	ARTICLE	IF	CITATIONS
127	Present status of PIT round wires of 122-type iron-based superconductors. IOP Conference Series: Materials Science and Engineering, 2017, 279, 012028.	0.6	15
128	Large and field-insensitive critical current densities in (Sr,Na)Fe ₂ As ₂ superconducting tapes. Journal of Physics: Conference Series, 2017, 871, 012062.	0.4	5
129	C-axis correlated pinning mechanism in vortex liquid and solid phases for Sm123 film with well-aligned BaHfO ₃ nanorods. Superconductor Science and Technology, 2017, 30, 114005.	3.5	8
130	Effect of Simultaneous Addition of 1D and 3D Artificial Pinning Centers in Hybrid YBa ₂ Cu ₃ O _{7-δ} Multilayers. Science of Advanced Materials, 2017, 9, 1042-1050.	0.7	10
131	Microstructure and superconducting properties of nanocarbon-doped internal Mg diffusion-processed MgB ₂ wires fabricated using different boron powders. Superconductor Science and Technology, 2016, 29, 045009.	3.5	9
132	Uniform transport performance of a 100 m-class multifilament MgB ₂ wire fabricated by an internal Mg diffusion process. Superconductor Science and Technology, 2016, 29, 065003.	3.5	15
133	10 T generation by an epoxy impregnated GdBCO insert coil for the 25 T-cryogen-free superconducting magnet. Superconductor Science and Technology, 2016, 29, 055010.	3.5	15
134	Angular behaviour of critical current density in YBa ₂ Cu ₃ O _{7-δ} thin films with crossed columnar defects. Superconductor Science and Technology, 2016, 29, 065023.	3.5	15
135	Control of Critical Current Density Properties of Superconducting Films by Control of Their Microstructures. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 420-427.	0.4	0
136	Characteristic Irreversible Critical Strain Limit of GdBCO Coated Conductor Tapes under Various Temperature and Magnetic Field Conditions. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	2
137	Vortex pinning and dynamics in high performance Sr _{0.6} K _{0.4} Fe ₂ As ₂ superconductor. Journal of Applied Physics, 2016, 119, 143906.	2.5	23
138	Delocalization of vortex in SmBa ₂ Cu ₃ O _{7-δ} superconducting films with BaHfO ₃ nano-rods. Journal of Applied Physics, 2016, 120, .	2.5	17
139	Performance of a 14-T CuNb/Nb ₃ Sn Rutherford coil with a 300 mm wide cold bore. Superconductor Science and Technology, 2016, 29, 084004.	3.5	15
140	Effects of densification of precursor pellets on microstructures and critical current properties of YBCO melt-textured bulks. Physica C: Superconductivity and Its Applications, 2016, 531, 79-84.	1.2	3
141	Effect of Applied Pure Bending Strain on Critical Current for CuNb/Nb ₃ Sn Superconducting Wires. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	3
142	Transport Properties of CuNb/Nb ₃ Sn Rutherford Coils With Various Diameters. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	3
143	Study on Normal Zone Characteristics in a REBCO Insert Coil Induced by Quenches in an LTS Outsert Coil. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	1
144	Minimization of BaHfO ₃ Flux Pinning Centers in YBa ₂ Cu ₃ O _{7-δ} Films by Metal Organic Deposition Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3.	1.7	5

#	ARTICLE	IF	CITATIONS
145	Optical measurement of anisotropic magnetic susceptibility for diamagnetic fine particles. Japanese Journal of Applied Physics, 2016, 55, 015001.	1.5	1
146	Effects of high magnetic field annealing on microstructure and multiferroic properties of $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ ceramics. Ceramics International, 2016, 42, 18785-18790.	4.8	2
147	Enhancement of critical current densities in $(\text{Ba},\text{K})\text{Fe}_2\text{As}_2$ wires and tapes using HIP technique. Superconductor Science and Technology, 2016, 29, 115002.	3.5	48
148	Fabrication and superconducting properties of internal Mg diffusion processed MgB_2 wires using MgB_4 precursors. Superconductor Science and Technology, 2016, 29, 105019.	3.5	2
149	Tailoring the critical current properties in Cu-sheathed $\text{Sr}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconducting tapes. Superconductor Science and Technology, 2016, 29, 095006.	3.5	14
150	Improvement in J_c performance below liquid nitrogen temperature for $\text{SmBa}_2\text{Cu}_3\text{O}_{7-y}$ superconducting films with BaHfO_3 nano-rods controlled by low-temperature growth. APL Materials, 2016, 4, .	5.1	44
151	High Critical Current Density in Cu-Sheathed $\text{SmFeAsO}_{1-x}\text{F}_x$ Superconducting Tapes by Low-Temperature Hot-Pressing. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	6
152	AC loss evaluation of an HTS insert for high field magnet cooled by cryocoolers. Cryogenics, 2016, 80, 215-220.	1.7	12
153	Effects of rolling deformation processes on the properties of Ag-sheathed $\text{Sr}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconducting tapes. Physica C: Superconductivity and Its Applications, 2016, 525-526, 94-99.	1.2	10
154	Improvement of a Large Bore Cryogen-Free Superconducting Magnet for a Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	2
155	Critical Current Characterization Under Pure Bending Strains of Prebent $\text{Cu-Nb/Nb}_3\text{Sn}$ Strands for Practical React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	8
156	Magnetic Field Quality Evaluation of a 20 T Cryogen-free Superconducting Magnet with a $\text{Bi}_2\text{223}$ Insert. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	4
157	Quantum Hall effect in a bulk antiferromagnet EuMnBi_2 with magnetically confined two-dimensional Dirac fermions. Science Advances, 2016, 2, e1501117.	10.3	171
158	I_c Response with High Magnetic Field, Low Temperature, and Uniaxial Strain in REBCO Coated Conductor Tapes. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	2
159	Controlling the Critical Current Anisotropy of YBCO Superconducting Films by Incorporating Hybrid Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	15
160	Testing of stacked pancake coils for a cryogen-free 25 T superconducting magnet. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	5
161	Concept of a Cryogenic System for a Cryogen-Free 25 T Superconducting Magnet. Physics Procedia, 2015, 67, 326-330.	1.2	3
162	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore Nd_2O_7 Physical Review Letters, 2015, 115, 056402.	1.2	3

#	ARTICLE	IF	CITATIONS
163	Strain-controlled critical temperature in REBa ₂ Cu ₃ O _y -coated conductors. Scientific Reports, 2015, 5, 11156.	3.3	17
164	Critical current density and microstructure of iron sheathed multifilamentary Sr _{1-x} KxFe ₂ As ₂ /Ag composite conductors. Journal of Applied Physics, 2015, 118, .	2.5	27
165	Enhancement of In-field J _c in Gd ₁ Ba ₂ Cu ₃ O _{7-δ} Coated Conductor by Using Highly Oriented IBAD Substrate. Physics Procedia, 2015, 67, 903-907.	1.2	4
166	Dependence of BaMO ₃ (M=Zr, Sn, Hf) Materials on Lattice Stress and $\langle T_c \rangle$ in BaMO ₃ -Doped SmBa ₂ Cu ₃ O _y Thin Films. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2015, 50, 224-231.	0.1	3
167	The Effect of the Parameters of a Vibration-Based Impact Mode Piezoelectric Power Generator. Shock and Vibration, 2015, 2015, 1-9.	0.6	1
168	Transport Properties of CuNb Reinforced Nb_3Sn Rutherford Coils in High Fields. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9
169	Effects of drawing and high-pressure sintering on the superconducting properties of (Ba,K)Fe ₂ As ₂ powder-in-tube wires. Superconductor Science and Technology, 2015, 28, 125014.	3.5	38
170	Tailoring the vortex pinning strength of YBCO thin films by systematic incorporation of hybrid artificial pinning centers. Superconductor Science and Technology, 2015, 28, 114004.	3.5	21
171	Vortex pinning at low temperature under high magnetic field in SmBa ₂ Cu ₃ O _y superconducting films with high number density and small size of BaHfO ₃ nano-rods. Superconductor Science and Technology, 2015, 28, 114006.	3.5	14
172	Design of a Cooling System for a REBCO Insert Coil in a Cryogen-Free 25 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9
173	High critical current density in textured Ba-122/Ag tapes fabricated by a scalable rolling process. Scripta Materialia, 2015, 99, 33-36.	5.2	38
174	Superconducting Properties in SmBa ₂ Cu ₃ O _y Films With High Density of BaHfO ₃ Nanorods Fabricated With a Seed Layer. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9
175	High-performance irreversibility field and flux pinning force density in BaHfO ₃ -doped GdBa ₂ Cu ₃ O _y tape prepared by pulsed laser deposition. Applied Physics Express, 2015, 8, 023101.	2.4	45
176	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.	3.5	8
177	Strengthening Effect of ϵ -Yoroi-Coil Structure Against Electromagnetic Force. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	17
178	Characteristics of REBCO Coated Conductors for 25 T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	53
179	Design of a REBCO Insert Coil for a Cryogen-Free 25-T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	18
180	Effect of BaHfO ₃ introduction on the transport current at the grain boundaries in SmBa ₂ Cu ₃ O _y films. Applied Physics Express, 2015, 8, 033101.	2.4	15

#	ARTICLE	IF	CITATIONS
181	Internal Strain Measurement for a Nb_3Sn Rutherford Cable Using Neutron Diffraction. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
182	Applied Strain Effect on Superconducting Properties for Detwinned (Y, Gd)BCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	8
183	Transport Critical Current Density of $\text{Sr}_{0.6}\text{K}_{0.4}\text{FeAs}_2/\text{Ag}$ Superconducting Tapes Processed by Flat Rolling and Uniaxial Pressing. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	6
184	Irreversibility Fields and Critical Current Densities in Strongly Pinned YBaCuO_{7-x} Films With Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	12
185	Flux Pinning Properties of a $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Film Including High Number Density of BaHfO_3 Nano-rods on LaAlO_3 Substrate. Journal of Superconductivity and Novel Magnetism, 2015, 28, 367-369.	1.8	4
186	AC Losses of an HTS Insert in a 25-T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	18
187	Systematic Variation of Hybrid APCs Into YBCO Thin Films for Improving the Vortex Pinning Properties. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	10
188	Characteristics of high-performance BaHfO_3 -doped $\text{SmBa}_2\text{Cu}_3\text{O}_y$ superconducting films fabricated with a seed layer and low-temperature growth. Superconductor Science and Technology, 2015, 28, 065013.	3.5	30
189	Development of Nb-Rod-Method Cu/Nb Reinforced Nb_3Sn Rutherford Cables for React-and-Wind Processed Wide-Bore High Magnetic Field Coils. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	24
190	Magnetic Field of BG-VG Transition Depending on the Nanorods Shape in BaHfO_3 -Doped $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
191	Macroscopic Strain Response of $\text{Sr}_{0.6}\text{K}_{0.4}\text{FeAs}_2/\text{Ag}$ Under Magnetic Fields in Differently Stabilized REBCO CC Tapes. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
192	Current Transport Properties of TFA-MOD Processed Long-Length $\text{Y}_{1-x}\text{Gd}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-y}$ Coated Conductor Doped With BaZrO_3 Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	2
193	Influence of crystalline boron powders on superconducting properties of C-doped internal Mg diffusion processed MgB_2 wires. Superconductor Science and Technology, 2015, 28, 105013.	3.5	10
194	Low-temperature synthesis to achieve high critical current density and avoid a reaction layer in $\text{SmFeAsO}_{1-x}\text{F}_x$ superconducting tapes. Superconductor Science and Technology, 2015, 28, 105005.	3.5	7
195	Effects of three different homemade nanocarbons doping on the superconducting properties of MgB_2 tapes. Physica C: Superconductivity and Its Applications, 2015, 508, 49-55.	1.2	13
196	Repairing and upgrading of the HTS insert in the 18T cryogen-free superconducting magnet. AIP Conference Proceedings, 2014, .	0.4	6
197	Rutherford flat cable composed of CuNb -reinforced Nb_3Sn strands. AIP Conference Proceedings, 2014, .	0.4	9
198	Tuning the microstructure and vortex pinning properties of YBCO-based superconducting nanocomposite films by controlling the target rotation speed. Superconductor Science and Technology, 2014, 27, 025009.	3.5	15

#	ARTICLE	IF	CITATIONS
199	Construction of a 25-T cryogen-free superconducting magnet. Journal of Physics: Conference Series, 2014, 568, 032019.	0.4	11
200	BaMO ₃ (M=Zr, Hf, Sn) material dependence of T_c reduction in BaMO ₃ -doped SmBa ₂ Cu ₃ O _y films. Journal of Physics: Conference Series, 2014, 507, 022043.	0.4	9
201	Enhancement of transport critical current density of SmFeAsO _{1-x} F _x tapes fabricated by an <i>ex-situ</i> powder-in-tube method with a Sn-presintering process. Applied Physics Letters, 2014, 104, .	3.3	15
202	Realization of practical level current densities in Sr _{0.6} K _{0.4} Fe ₂ As ₂ tape conductors for high-field applications. Applied Physics Letters, 2014, 104, 202601.	3.3	119
203	Irreversibility fields and critical current densities in strongly pinned YBa ₂ Cu ₃ O _{7-x} films with BaSnO ₃ nanorods: The influence of segmented BaSnO ₃ nanorods. Journal of Applied Physics, 2014, 116, .	2.5	25
204	Current Instability of High Temperature Superconducting Tapes in the AC Modes. Journal of Physics: Conference Series, 2014, 507, 022028.	0.4	1
205	The influence of the geometric characteristics of nanorods on the flux pinning in high-performance BaMO ₃ -doped SmBa ₂ Cu ₃ O _y films (M = Hf, Sn). Superconductor Science and Technology, 2014, 27, 065001.	3.5	57
206	Flux pinning properties and microstructures of a SmBa ₂ Cu ₃ O _y film with high number density of BaHfO ₃ nanorods deposited by using low-temperature growth technique. Japanese Journal of Applied Physics, 2014, 53, 090304.	1.5	24
207	Design of YBCO Insert Coil for a Cryogen-Free 22 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	5
208	Improved Transport J_c in MgB ₂ Tapes by Graphene Doping. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2699-2705.	1.8	10
209	Limiting stable states of high- T_c superconductors in the alternating current modes. European Physical Journal B, 2014, 87, 1.	1.5	0
210	New 25 T Cryogen-Free Superconducting Magnet Project at Tohoku University. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	58
211	Upgraded Cryogen-Free 20 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	15
212	Prebending Effect for Mechanical and Superconducting Properties of Nb-Rod-Processed Cu–Nb Internal-Reinforced Nb_3Sn Wires. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	21
213	Enhancement of critical current densities by high-pressure sintering in (Sr,K)Fe ₂ As ₂ PIT wires. Superconductor Science and Technology, 2014, 27, 095002.	3.5	34
214	Strain and magnetic field response of I_c in reinforced GdBCO coated conductor tapes at 77 K. , 2014, , .		6
215	Improvement of critical current densities in SmBa ₂ Cu ₃ O _y films with BaHfO ₃ nano-rods using low temperature growth technique. Journal of Physics: Conference Series, 2014, 507, 022021.	0.4	4
216	Superconducting Properties of BaHfO ₃ -doped Nd _{1-x} Ba _{2-x} Cu ₃ O _y Films Prepared by Alternating-targets Technique. Physics Procedia, 2014, 58, 154-157.	1.2	0

#	ARTICLE	IF	CITATIONS
217	Strongly enhanced current densities in Sr0.6K0.4Fe2As2 + Sn superconducting tapes. Scientific Reports, 2014, 4, 4465.	3.3	40
218	Hot pressing to enhance the transport Jc of Sr0.6K0.4Fe2As2 superconducting tapes. Scientific Reports, 2014, 4, 6944.	3.3	64
219	Correlated Pinning Properties in RE123 Tapes with Nanorods. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 501	0.1	1
220	Recent Progress in Methods for Non-invasive Measurements of Local Strain in Practical Superconducting Wires and Conductors using Quantum Beam Techniques. TEION KOGAKU (Journal of) Tj ETQq0 0 0.1rgBT /Overlock 10 Tf 501	0.1	0
221	Superconducting Properties and Microstructures of BaHfO3-doped SmBa2Cu3Oy Films Fabricated using a Low-temperature Growth Technique. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 501	0.1	0
222	New Fabrication Process of Cuâ€“Nb Composite for Internal Reinforcement of Nb3Sn Wires. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2099-2101.	1.8	19
223	Enhancement of In-Field Current Transport Properties in GdBCO Coated Conductors by BaHfO_3 Doping. IEEE Transactions on Applied Superconductivity, 2013, 23, 8002304-8002304.	1.7	23
224	Quantitative strain measurement in Nb ₃ Sn wire and cable conductors using high-energy x-ray and neutron beams. Superconductor Science and Technology, 2013, 26, 073001.	3.5	8
225	Thermal and electrodynamical formation mechanisms of overloaded AC states and charging rate influence on their stable dynamics. Physica C: Superconductivity and Its Applications, 2013, 495, 25-32.	1.2	0
226	Upgrade Design to a Cryogen-Free 20-T Superconducting Outsert for a 47-T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 4300304-4300304.	1.7	11
227	HTS Coil Test Facility in a Large Bore 20 T Resistive Magnet at LNCMI. IEEE Transactions on Applied Superconductivity, 2013, 23, 9500204-9500204.	1.7	14
228	Improvement of J_c for GdBCO Coated Conductors by Annealing Under Strain. IEEE Transactions on Applied Superconductivity, 2013, 23, 8000104-8000104.	1.7	4
229	Wide Variety of Experiments Using a Cryogen-Free 27.5 T Hybrid Magnet and a Cryogen-Free 18.1 T Superconducting Magnet. Journal of Low Temperature Physics, 2013, 170, 503-510.	1.4	1
230	Flux Pinning Properties at Low Temperatures in BaHfO_3 Doped $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Films. IEEE Transactions on Applied Superconductivity, 2013, 23, 8001104-8001104.	1.7	28
231	Relation Between the Crystal Axis and the Strain Dependence of Critical Current Under Tensile Strain for GdBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 8400304-8400304.	1.7	17
232	Reversible Strain Response of Critical Current in Differently Processed GdBCO Coated Conductor Tapes Under Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2013, 23, 8400404-8400404.	1.7	18
233	Large transport J_c in Sn-added $\text{SmFeAsO}_{1-x}\text{F}_x$ tapes prepared by an ex situ PIT method. Superconductor Science and Technology, 2013, 26, 075017.	3.5	15
234	Superconducting Property of BaHfO3 Doped SmBa2Cu3Oy Films Prepared by Alternating-targets Technique on IBAD-MgO. Physics Procedia, 2013, 45, 149-152.	1.2	2

#	ARTICLE	IF	CITATIONS
235	High critical current density and its magnetic fields dependence in (Sm,Eu,Gd)Ba ₂ Cu ₃ O _y films by using multiple targets. Physica C: Superconductivity and Its Applications, 2013, 484, 130-133.	1.2	2
236	Bismuth nano-particle dispersed organic composite for optical components. Proceedings of SPIE, 2013, , .	0.8	4
237	Grain boundary segregation in a bronze-route Nb ₃ Sn superconducting wire studied by atom probe tomography. Superconductor Science and Technology, 2013, 26, 055008.	3.5	41
238	Superconducting and Mechanical Properties of Impregnated REBCO Pancake Coils Under Large Hoop Stress. IEEE Transactions on Applied Superconductivity, 2013, 23, 4600305-4600305.	1.7	8
239	High-Field Magnetization Measurements of Fe ₂ MnSi. Journal of the Physical Society of Japan, 2013, 82, 044802.	1.6	14
240	Flux Pinning Properties and Microstructures of Multilayered Films Consisting of Sm _{1.04} Ba _{1.96} Cu ₃ O _y Layers and BaSnO ₃ -Doped Sm _{1.04} Ba _{1.96} Cu ₃ O _y Layers. Japanese Journal of Applied Physics, 2013, 52, 010201.	1.5	13
241	Mechanical and superconducting properties of Nb ₃ Sn wires with Nb-rod-processed CuNb reinforcement. Superconductor Science and Technology, 2013, 26, 094002.	3.5	23
242	Control of residual strain and twin boundary by annealing under strain. Superconductor Science and Technology, 2013, 26, 065013.	3.5	5
243	Microstructure and transport critical current in Sr _{0.6} K _{0.4} Fe ₂ As ₂ superconducting tapes prepared by cold pressing. Superconductor Science and Technology, 2013, 26, 075003.	3.5	22
244	Variation of c-axis correlation on vortex pinning by ab-plane non-superconducting layers in YBa ₂ Cu ₃ O ₇ films. Journal of Applied Physics, 2013, 114, 073903.	2.5	10
245	Development of High Strength Pancake Coil With Stress Controlling Structure by REBCO Coated Conductor. IEEE Transactions on Applied Superconductivity, 2013, 23, 4601204-4601204.	1.7	34
246	Combined effect of Sn addition and post-rolling sintering on the superconducting properties of SmFeAsO _{1-x} F _x tapes fabricated by an ex-situ powder-in-tube process. Journal of Applied Physics, 2013, 113, 123902.	2.5	16
247	Development of High-strength Pancake-coil Structure: “Yoroi-coil”, TEION KOGAKU (Journal of) Tj ETQq _{0.1} 1 0.7843 ₂ 14 rgBT	1.1	0
248	Significant improvement in critical current densities of C-doped MgB ₂ tapes made by high-energy ball milling. Superconductor Science and Technology, 2012, 25, 075010.	3.5	10
249	MEM11: The 6th International Workshop on Mechanical&“Electromagnetic Properties of Composite Superconductors (Okinawa, Japan, 5&“7 December 2011). Superconductor Science and Technology, 2012, 25, 050301-050301.	3.5	0
250	Flux pinning properties of correlated pinning at low temperatures in ErBCO films with inclined columnar defects. Journal of Applied Physics, 2012, 111, .	2.5	29
251	Compact 20 T superconducting magnet for a 50 T-class hybrid magnet. , 2012, , .		0
252	Transport property measurement of practical coated conductor with copper stabilizer. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
253	Prebending Effect on Three-Dimensional Strain in $\text{CuNb}/(\text{Nb}, \text{Ti})_3\text{Sn}$ Wires Under a Tensile Load. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000204-6000204.	1.7	4
254	Research and Development for Upgrading a Cryogen-Free 18 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 3900304-3900304.	1.7	8
255	Characteristic Strain Response of I_c in SmBCO Coated Conductor Tapes Under Magnetic Field at 77 K. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600404-6600404.	1.7	14
256	High critical current density and low anisotropy in textured Sr1-xKxFe2As2 tapes for high field applications. Scientific Reports, 2012, 2, 998.	3.3	64
257	Effect of starting materials on the superconducting properties of $\text{SmFeAsO}_{1-x}\text{F}_x$ tapes. Superconductor Science and Technology, 2012, 25, 035013.	3.5	12
258	Effect of high-energy ball milling time on superconducting properties of MgB_2 with low purity boron powder. Superconductor Science and Technology, 2012, 25, 035018.	3.5	16
259	Hot Spot Behavior of Y123 Coated Conductors. IEEE Transactions on Applied Superconductivity, 2012, 22, 6601004-6601004.	1.7	12
260	Influence of Zr- and Sn-Doping on Sm-Ba-Cu-O Filaments Fabricated by a Chemical Solution Spinning. IEEE Transactions on Applied Superconductivity, 2012, 22, 6601104-6601104.	1.7	0
261	Enhancement of J_c properties for binary and carbon-doped MgB_2 tapes by hot pressing. Superconductor Science and Technology, 2012, 25, 065013.	3.5	12
262	Internal strain measurement for Nb_3Sn wires using synchrotron radiation. Superconductor Science and Technology, 2012, 25, 054004.	3.5	5
263	Axial and lateral lattice strain states under a tensile load in as-reacted and prebent $\text{CuNb}/\text{Nb}_3\text{Sn}$ wires using neutron diffraction. Journal of Applied Physics, 2012, 111, .	2.5	6
264	Significantly Improved Multiferrioc Properties of $\text{BiFeO}_3/\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Bilayer Films by Magnetic Field Annealing. Applied Physics Express, 2012, 5, 041802.	2.4	10
265	Strain Dependence of Superconducting Properties for GdBCO Coated Conductor in High Field Under Tensile Load. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600504-6600504.	1.7	7
266	Hybrid Magnet Design Consisting of a 20 T Superconducting Outsert and a 15 MW Resistive Insert. IEEE Transactions on Applied Superconductivity, 2012, 22, 4300804-4300804.	1.7	14
267	Effect of Zr addition and magnetic field process on the J_c property of CVD- $\text{HoBa}_2\text{Cu}_3\text{O}_{7-x}$ films. Journal of Alloys and Compounds, 2012, 527, 188-192.	5.5	1
268	Tensile strain dependence of critical current of RHQ- Nb_3Al wires. Cryogenics, 2012, 52, 805-809.	1.7	9
269	Grain Structure and Irreversibility Line of a Bronze Route CuNb Reinforced Nb_3Sn Multifilamentary Wire. Physics Procedia, 2012, 36, 1504-1509.	1.2	5
270	MgB_2 thin films with high J_c fabricated on Al tape substrates by electron beam evaporation. Physica C: Superconductivity and Its Applications, 2012, 480, 108-110.	1.2	2

#	ARTICLE	IF	CITATIONS
271	Improved J_c properties of MgB_2 multifilamentary wires and tapes. Superconductor Science and Technology, 2012, 25, 125001.	3.5	12
272	Strain measurements by neutron diffraction on Nb_3Sn cable with stainless steel reinforcement strands. Superconductor Science and Technology, 2012, 25, 054001.	3.5	0
273	Improved transport critical current in Ag and Pb co-doped $Ba_{1-x}K_xFe_2As_2$ superconducting tapes. Superconductor Science and Technology, 2012, 25, 035020.	3.5	21
274	Effects of magnetic annealing on structure and multiferroic properties of pure and dysprosium substituted $BiFeO_3$. Journal of Magnetism and Magnetic Materials, 2012, 324, 2205-2210.	2.3	8
275	Cooperative Behavior of the Random and Correlated Pinning in Er_{123} Films With Columnar Defects. IEEE Transactions on Applied Superconductivity, 2011, 21, 3192-3195.	1.7	7
276	Three-Dimensional Strain Model for Various Kinds of Nb_3Sn Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 2513-2516.	1.7	4
277	Non-contact measurement of diamagnetic susceptibility change by a magnetic levitation technique. Measurement Science and Technology, 2011, 22, 035703.	2.6	4
278	Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N. Journal of Geophysical Research, 2011, 116, .	3.3	112
279	In-Field Current Transport Properties of 600 A-Class $GdBa_2Cu_{3-x}O_{7-\delta}$ Coated Conductor Utilizing IBA Template. IEEE Transactions on Applied Superconductivity, 2011, 21, 3206-3209.	1.7	13
280	Magnetic Field Design of Dipole Magnet Wound With Coated Conductor Considering Its Current Transport Characteristics. IEEE Transactions on Applied Superconductivity, 2011, 21, 1833-1837.	1.7	19
281	Unit Coil Development for Y-SMES. IEEE Transactions on Applied Superconductivity, 2011, 21, 1348-1353.	1.7	7
282	Optical anisotropy of carbon nano-fiber/silica composite films prepared under high magnetic field. Journal of the Ceramic Society of Japan, 2011, 119, 430-433.	1.1	2
283	Influence of crossing angles of columnar defects on vortex glass transition in YBCO thin films. Physica C: Superconductivity and Its Applications, 2011, 471, 1029-1032.	1.2	1
284	Mechanical and transport characteristic exploration for coated conductors by hoop stress tests. Physica C: Superconductivity and Its Applications, 2011, 471, 1062-1066.	1.2	4
285	Cryogen-Free 23 T Superconducting Magnet Employing an $Ba_2Cu_3O_7$ Coated Conductor Insert. Journal of Superconductivity and Novel Magnetism, 2011, 24, 993-997.	1.8	6
286	Insulating phase of a two-dimensional electron gas in $Mg_{1-x}Zn_xO/ZnO$ heterostructures below $\sim 10^4$ K. O/ZnO heterostructures below $\sim 10^4$ K. O/ZnO heterostructures below $\sim 10^4$ K.	3.2	29
287	Hoop Stress Test of $GdBa_2Cu_3O_{7-y}$ Coated Conductor. IEEE Transactions on Applied Superconductivity, 2011, 21, 3094-3097.	1.7	9
288	Beautiful unconventional synthesis and processing technologies of superconductors and some other materials. Science and Technology of Advanced Materials, 2011, 12, 013001.	6.1	29

#	ARTICLE	IF	CITATIONS
289	Thermal Stability Properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Coated Conductor Tape Under the Cryocooling Condition. IEEE Transactions on Applied Superconductivity, 2011, 21, 2449-2452.	1.7	1
290	Doping effects of Nd_2O_3 on the superconducting properties of powder-in-tube MgB_2 tapes. Superconductor Science and Technology, 2011, 24, 055016.	3.5	16
291	Enhanced superconducting properties of MgB_2 tapes achieved by treating B powder with glycolic acid. Superconductor Science and Technology, 2011, 24, 105005.	3.5	5
292	Enhanced J_c properties of MgB_2 tapes by yttrium acetate doping. Superconductor Science and Technology, 2011, 24, 075002.	3.5	11
293	Fabrication and Properties of Aligned $\text{Sr}_0.6\text{K}_0.4\text{Fe}_2\text{As}_2$ Superconductors by High Magnetic Field Processing. Chinese Physics Letters, 2011, 28, 067402.	3.3	3
294	Anisotropy of the Critical Current Density and Intrinsic Pinning Behaviors of $\text{YBa}_2\text{Cu}_3\text{O}_{x-y}$ Coated Conductors. Applied Physics Express, 2011, 4, 013101.	2.4	19
295	Flux Pinning Properties of REBCO coated conductors for High Field Magnets. Progress in Superconductivity and Cryogenics (PSAC), 2011, 13, 1-4.	0.3	3
296	Electromagnetic Stress Properties of Gd123 Monolayer Coils. TEION KOGAKU (Journal of Cryogenics) Tj ETQq0 0 0 regBT /Overclock 10 Tf 0.1	0.1	0
297	Doping of Tin-oxides pinning centers into YBCO films by MOD method. Journal of Physics: Conference Series, 2010, 234, 022039.	0.4	5
298	Evaluation of current transport properties of $\text{GdBa}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors over a wide range of temperature and external magnetic fields. Journal of Physics: Conference Series, 2010, 234, 022009.	0.4	5
299	Large transport critical currents of powder-in-tube $\text{Sr}_0.6\text{K}_0.4\text{Fe}_2\text{As}_2/\text{Ag}$ superconducting wires and tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 183-186.	1.2	72
300	Current transport property in GdBCO coated conductor with artificial pinning centers in a wide range of temperature, magnetic field up to 27T, and field angle. Physica C: Superconductivity and Its Applications, 2010, 470, 1292-1294.	1.2	4
301	J_c anisotropy for magnetic field angle in YBCO coated conductor on IBAD-MgO buffered metal tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 1384-1387.	1.2	1
302	Thermal properties of a large-bore cryocooled 10T superconducting magnet for a hybrid magnet. Physica C: Superconductivity and Its Applications, 2010, 470, 1745-1748.	1.2	2
303	Tohoku High Magnetic Field Research Activities Using Cryogen-Free Superconducting Magnets. Journal of Low Temperature Physics, 2010, 159, 370-373.	1.4	1
304	Electron backscatter diffraction study of Nb_3Sn superconducting multifilamentary wire. Scripta Materialia, 2010, 62, 59-62.	5.2	17
305	Thermal analysis of the cryocooled superconducting magnet for the liquid helium-free hybrid magnet. Physica C: Superconductivity and Its Applications, 2010, 470, S1027-S1029.	1.2	2
306	Effects of tin-compounds addition on J_c and microstructure for YBCO films. Physica C: Superconductivity and Its Applications, 2010, 470, 1246-1248.	1.2	9

#	ARTICLE	IF	CITATIONS
307	Angular dependences of critical current density in YBCO thin films with crossed columnar defects. Physica C: Superconductivity and Its Applications, 2010, 470, 1295-1299.	1.2	2
308	Influence of acetone doping on the J_c anisotropy of MgB ₂ /Fe tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 1435-1437.	1.2	9
309	Flux pinning properties of MgB ₂ thin films on Ti buffered substrate prepared by molecular beam epitaxy. Physica C: Superconductivity and Its Applications, 2010, 470, 1461-1464.	1.2	4
310	Effect of high magnetic field annealing on the microstructure and magnetic properties of Co-Fe layered double hydroxide. Journal of Magnetism and Magnetic Materials, 2010, 322, 3023-3027.	2.3	20
311	Effect of static magnetic field on thermal conductivity measurement of a molten Si droplet by an EML technique: Comparison between numerical and experimental results. International Journal of Heat and Mass Transfer, 2010, 53, 4228-4232.	4.8	17
312	Noncontact modulated laser calorimetry in a dc magnetic field for stable and supercooled liquid silicon. Measurement Science and Technology, 2010, 21, 025901.	2.6	42
313	Simultaneous introduction of scattering and pinning in organic rare-earth salt doped MgB ₂ tapes. Superconductor Science and Technology, 2010, 23, 045024.	3.5	14
314	Strain Gauge Method for Evaluating a Three-Dimensional Residual Strain State in $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1420-1423.	1.7	11
315	Enhancement of Critical Current Density and Flux Pinning in Acetone and La ₂ O ₃ Codoped MgB ₂ Tapes. Chinese Physics Letters, 2010, 27, 117401.	3.3	4
316	Doping with a special carbohydrate, C ₉ H ₁₁ NO, to improve the J_c properties of MgB ₂ tapes. Superconductor Science and Technology, 2010, 23, 025024.	3.5	23
317	Angular dependence of residual strain in CuNb/(Nb, Ti) ₃ Sn wires. Superconductor Science and Technology, 2010, 23, 105010.	3.5	2
318	Bitter Magnet Design for Magnetic Levitation Experiments. IEEE Transactions on Applied Superconductivity, 2010, 20, 656-659.	1.7	2
319	Residual strain measurement using neutron diffraction for practical Nb ₃ Sn wires under a tensile load. Superconductor Science and Technology, 2010, 23, 025034.	3.5	12
320	Three-Dimensional Strain Model on the Superconducting Properties Under the Strain for $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1424-1427.	1.7	11
321	Flux pinning properties of TFA-MOD (Y,Gd)Ba ₂ Cu ₃ O _x tapes with BaZrO ₃ nanoparticles. Superconductor Science and Technology, 2010, 23, 014006.	3.5	20
322	Upgrading Design to a 25 T Cryogen-Free Superconducting Magnet Based on Low Temperature and High Magnetic Field Properties of the Practical CVD Processed Coated Conductors. IEEE Transactions on Applied Superconductivity, 2010, 20, 592-595.	1.7	18
323	Grain Morphology for Bi ₂ Sr ₂ CaCu ₂ O ₈ Tapes Heat-Treated in High Magnetic Fields. Advances in Science and Technology, 2010, 75, 187-191.	0.2	2
324	Matching field effects in-axis in-plane aligned a-axis-oriented YBa ₂ Cu ₃ O _y films with two-dimensional artificial pinning centers induced by multilayered nano-structures. Superconductor Science and Technology, 2010, 23, 045023.	3.5	5

#	ARTICLE	IF	CITATIONS
325	Investigation of Stress/Strains and Related Properties in Superconducting Wires and Conductors by Means of Neutron Diffraction at J-PARC. TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq1 1 0.78431416 BT / Over		
326	Cryogen-Free 23 T Superconducting Magnet with a 7.5 T YBa ₂ Cu ₃ O ₇ Insert Coil. Applied Physics Express, 2009, 2, 113001.	2.4	14
327	Correlated Pinning Behavior in ErBa ₂ Cu ₃ O ₇ Films with Columnar Defects. Applied Physics Express, 2009, 2, 113002. <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>C</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>63</mml:mn><mml:mo>/</mml:mo><mml:mn>65</mml:mn></mml:mrow></mml:mmultiscripts><mml:mtext>18</mml:mtext> and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>C</mml:mtext><mml:mprescripts	2.4	3
328	Difference Between $\{m \text{ BaSnO}_3\}$ and $\{m \text{ BaZrO}_3\}$ Nano-Rods for C-Axis-Related Pinning Properties in $\{m \text{ REBa}_2\}\{m \text{ Cu}\}\{m \text{ O}_7\}\{m \text{ Y}\}$. IEEE Transactions on Applied Superconductivity, 2009, 19, 3495-3498.	1.7	5
329	Current Transport Mechanism and Control of the n -Value for Ag/Bi2212 Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2009, 19, 3071-3075.	1.7	1
331	Co-Doping Effect of Nanoscale C and SiC on $\{m \text{ MgB}_2\}$ Superconductor. IEEE Transactions on Applied Superconductivity, 2009, 19, 2694-2697.	1.7	7
332	Development of Pre-Bent High-Strength $\{m \text{ Nb}_3\}\{m \text{ Sn}\}$ Cable With Stainless-Steel Reinforcement Strands. IEEE Transactions on Applied Superconductivity, 2009, 19, 1112-1115.	1.7	2
333	Coupled Analysis Method for High-Field Magnet Coil Using Coated Conductor Based on $\{m \text{ Jc}\}$ Characteristics as a Function of Temperature, Magnetic Field Vector and Mechanical Strain. IEEE Transactions on Applied Superconductivity, 2009, 19, 1621-1625.	1.7	7
334	Flux pinning properties in BaMO ₃ (M=Zr,Sn) nanorod-introduced ErBa ₂ Cu ₃ O _x films. Journal of Applied Physics, 2009, 106, .	2.5	5
335	Phthalocyanine doping to improve critical current densities in MgB ₂ tapes. Superconductor Science and Technology, 2009, 22, 045019.	3.5	10
336	Formation of silicon hollow spheres via electromagnetic levitation method under static magnetic field in hydrogen-argon mixed gas. Materials Letters, 2009, 63, 602-604.	2.6	2
337	Correlated pinning behavior in ErBa ₂ Cu ₃ O _y films with BaZrO ₃ nano-rods. Physica C: Superconductivity and Its Applications, 2009, 469, 1404-1409.	1.2	2
338	Effects of Sn-doping on J_c properties and crystalline structure for YBCO films by advanced TFA-MOD method. Physica C: Superconductivity and Its Applications, 2009, 469, 1418-1421.	1.2	16
339	Enhancement of the High-Field J_c properties of MgB ₂ /Fe Tapes by Acetone Doping. Journal of Superconductivity and Novel Magnetism, 2009, 22, 671-676.	1.8	3
340	Effect of processing temperature on the superconducting properties of acetone doped MgB ₂ tapes. Physica C: Superconductivity and Its Applications, 2009, 469, 23-26.	1.2	14
341	Critical current property in YBCO coated conductor fabricated by improved TFA-MOD process. Physica C: Superconductivity and Its Applications, 2009, 469, 1443-1445.	1.2	7
342	Flux pinning properties of nano-rods comprised of BaMO ₃ (M=Zr, Sn) in REBa ₂ Cu ₃ O _{7-δ} thin films prepared by PLD method. Physica C: Superconductivity and Its Applications, 2009, 469, 1396-1399.	1.2	5

#	ARTICLE	IF	CITATIONS
343	Significant reduction in volume, stored energy and magnetization loss of high-field magnet coil based on the improvement of critical current characteristics in GdBCO coated conductor. Physica C: Superconductivity and Its Applications, 2009, 469, 1776-1780.	1.2	11
344	Two-dimensional flux pinning in multilayered MgB ₂ /Ni thin films prepared by electron beam evaporation. Physica C: Superconductivity and Its Applications, 2009, 469, 1567-1570.	1.2	1
345	Effects of the APC materials on c-axis correlated pinning effects in a-axis oriented Y123/2D APC multilayer films. Physica C: Superconductivity and Its Applications, 2009, 469, 1545-1549.	1.2	3
346	Design of a 30 T Superconducting Magnet Using a Coated Conductor Insert. IEEE Transactions on Applied Superconductivity, 2009, 19, 1617-1620.	1.7	15
347	Precise measurements of diamagnetic susceptibility of benzophenone and paraffin by using a magnetic levitation technique. Journal of Physics: Conference Series, 2009, 156, 012020.	0.4	5
348	Geochemistry of a long in-situ section of intrusive slow-spread oceanic lithosphere: Results from IODP Site U1309 (Atlantis Massif, 30°N Mid-Atlantic-Ridge). Earth and Planetary Science Letters, 2009, 279, 110-122.	4.4	144
349	20 T Compact Superconducting Outsert Employing Y123 Coated Conductors for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2009, 19, 1592-1595.	1.7	9
350	Vortex Behaviors Near Irreversibility Fields of a -Axis Oriented Y123 Films Inserted Pr123 Layers. IEEE Transactions on Applied Superconductivity, 2009, 19, 3499-3502.	1.7	1
351	Noncontact Laser Calorimetry of High Temperature Melts in a Static Magnetic Field. Advances in Materials Research, 2009, , 149-171.	0.2	1
352	Noncontact Modulated Laser Calorimetry for Liquid Austenitic Stainless Steel in dc Magnetic Field. ISIJ International, 2009, 49, 1436-1442.	1.4	18
353	Oscillation behavior of a high-temperature silicon droplet by the electromagnetic levitation technique superimposed with a static magnetic field. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 50-53.	5.6	8
354	The effect of high strength static magnetic fields and ionizing radiation on gene expression and DNA damage in <i>Caenorhabditis elegans</i> . Bioelectromagnetics, 2008, 29, 605-614.	1.6	29
355	Superconducting properties of ErBCO films with BaMO ₃ nanorods (M=Zr and Sn) by pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2008, 468, 1522-1526.	1.2	18
356	Electrical transport properties of Y123 films with 2-D apcs. Physica C: Superconductivity and Its Applications, 2008, 468, 1851-1853.	1.2	6
357	Effects of growth temperature for superconducting properties and microstructures of PLD-ErBa ₂ Cu ₃ O _{7-x} film with BaNb ₂ O ₆ . Physica C: Superconductivity and Its Applications, 2008, 468, 1854-1857.	1.2	15
358	Flux pinning properties of REBa ₂ Cu ₃ O _y thin films with BaZrO ₃ nano-rods. Physica C: Superconductivity and Its Applications, 2008, 468, 1635-1637.	1.2	3
359	c-Axis-correlated pinning properties in heavy-ion-irradiated Y123 films. Physica C: Superconductivity and Its Applications, 2008, 468, 1652-1655.	1.2	6
360	Case Study of a 20 T- ϕ 400 mm Room Temperature Bore Superconducting Outsert for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2008, 18, 552-555.	1.7	15

#	ARTICLE	IF	CITATIONS
361	Transport Characteristics of CVD-YBCO Coated Conductor under Hoop Stress. IEEE Transactions on Applied Superconductivity, 2008, 18, 1131-1134.	1.7	37
362	Microstructural and Magnetic Characterization of CuNb_3Sn Wires With Different Architectures. IEEE Transactions on Applied Superconductivity, 2008, 18, 1022-1025.	1.7	3
363	The Prebending Strain Effect on Nb_3Sn Superconducting Cabling Conductors. IEEE Transactions on Applied Superconductivity, 2008, 18, 1018-1021.	1.7	9
364	Hollow carbon spheres as an efficient dopant for enhancing the critical current density of MgB_2 -based tapes. Superconductor Science and Technology, 2008, 21, 105020.	3.5	10
365	Vortex pinning phase diagram for various kinds of c-axis correlated disorders in RE123 films. Journal of Physics: Conference Series, 2008, 97, 012328.	0.4	10
366	Ag-SHEATHED $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ SQUARE WIRE INSULATED WITH OXIDIZED HASTELLOY FIBER BRAID. AIP Conference Proceedings, 2008, , .	0.4	0
367	Development of a pre-bent react-and-wind CuNb_3Sn multilayer superconducting coil. Superconductor Science and Technology, 2008, 21, 054012.	3.5	2
368	Influence of Deviatoric Strain for Superconducting Parameters of Nb_3Sn Wires. IEEE Transactions on Applied Superconductivity, 2008, 18, 1047-1050.	1.7	7
369	Design of a Resistive Insert for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2008, 18, 567-570.	1.7	3
370	Doped MgB_2 prepared by field assisted sintering technique. Journal of Physics: Conference Series, 2008, 97, 012079.	0.4	0
371	Superconducting properties and microstructure of $\text{PLD-ErBa}_2\text{Cu}_3\text{O}_{7-\delta}$ films with BaNb_2O_6 . Journal of Physics: Conference Series, 2008, 97, 012143.	0.4	1
372	A novel 2-dimensional artificial pinning center. Journal of Physics: Conference Series, 2008, 97, 012153.	0.4	0
373	High-strength CuNb_3Sn strand cables with residual strain controlled by the repeated bending treatment. Journal of Physics: Conference Series, 2008, 97, 012008.	0.4	1
374	Noncontact modulated laser calorimetry of liquid silicon in a static magnetic field. Journal of Applied Physics, 2008, 104, .	2.5	35
375	Mechanical treatments at room temperature of Nb_3Sn practical wires: pre-torsion for wires with a different architecture. Journal of Physics: Conference Series, 2008, 97, 012036.	0.4	1
376	Current-Carrying Capacity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ -Coated Conductors for a 30 T Superconducting Magnet. Applied Physics Express, 2008, 1, 081701.	2.4	4
377	Flux Pinning Properties of Multilayered MgB_2/Ni Thin Film Prepared by EBE Method. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 360-364.	0.1	3
378	Transport Properties of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Materials with In-field Heat-treatment. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 387-393.	0.1	0

#	ARTICLE	IF	CITATIONS
379	Behavior of Nb_3Sn Composite Wires: Multiple Room Temperature Bending Cycles. IEEE Transactions on Applied Superconductivity, 2007, 17, 2672-2675.	1.7	0
380	Performance of as-reacted and multiple bent (â€pre-bentâ€™) practical Nb_3Sn bronze route wires with different architectures. Superconductor Science and Technology, 2007, 20, 273-280.	3.5	11
381	Development of modulated laser calorimetry using a solid platinum sphere as a reference. Measurement Science and Technology, 2007, 18, 2059-2066.	2.6	41
382	Maximization of the critical current of practical Nb_3Sn wires through complex mechanical treatments at room temperature. Superconductor Science and Technology, 2007, 20, 810-813.	3.5	5
383	Experimental investigation of giant magnetocrystalline anisotropy of UGe_2 . Physica Scripta, 2007, 75, 546-550.	2.5	15
384	High Field and High Temperature Characteristics of Small Test Coil Using CVD-YBCO Tape for SMES. IEEE Transactions on Applied Superconductivity, 2007, 17, 2220-2223.	1.7	6
385	Noncontact measurement of thermal conductivity of liquid silicon in a static magnetic field. Applied Physics Letters, 2007, 90, 094102.	3.3	64
386	Three-Directional FEM Analyses of Pre-Bending Effects for Nb_3Sn Composite Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2676-2679.	1.7	1
387	Enhancement of J_c in MgB_2 thin films on Si substrate with pinning centers introduced by deposition in O_2 atmosphere. Journal of Applied Physics, 2007, 102, 076114.	2.5	7
388	NMR study of the vortex slush phase in organic superconductor (BEDTâ€™TTF) $_2\text{Cu}(\text{NCS})_2$. Physical Review B, 2007, 76, .	3.2	5
389	c-axis correlated pinning behavior near the irreversibility fields. Applied Physics Letters, 2007, 90, 122501.	3.3	26
390	Application of Prebending Effect to Triplet Cables Using Bronze-Route Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2007, 17, 2595-2598.	1.7	6
391	Steady and Unsteady Current Modes and Thermal Runaway Conditions of High- T_c Composite Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3133-3136.	1.7	1
392	Magnetic Field Dependence of Critical Current Density and Microstructure in $\text{Sm}_{1+x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_y$ Films on Metallic Substrates. IEEE Transactions on Applied Superconductivity, 2007, 17, 3247-3250.	1.7	13
393	Irreversibility Field and c-Axis Correlated Pinning in High- J_c SmBCO Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3656-3659.	1.7	2
394	Microstructure and J_c Characteristics of Er_{123} Films With Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2007, 17, 3688-3691.	1.7	2
395	High-Strength Nb_3Sn Wire Development for Compact Superconducting Magnets. Materials Science Forum, 2007, 546-549, 1841-1848.	0.3	2
396	Transport Properties of Bi_{2212} Round Wires Grown in High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2007, 17, 3106-3108.	1.7	2

#	ARTICLE	IF	CITATIONS
397	Current Transport Properties of 200 A-200 m-Class IBAD YBCO Coated Conductor Over Wide Range of Magnetic Field and Temperature. IEEE Transactions on Applied Superconductivity, 2007, 17, 3207-3210.	1.7	32
398	High-Field Magnetic Torque Measurement in the Spin Gap System (CH ₃) ₂ CHNH ₃ CuCl ₃ . Journal of the Physical Society of Japan, 2007, 76, 084708.	1.6	3
399	High critical current density under magnetic fields in as-grown MgB ₂ thin films deposited by molecular-beam epitaxy. Superconductor Science and Technology, 2007, 20, L1-L4.	3.5	14
400	Large irreversibility field in nanoscale C-doped MgB ₂ /Fe tape conductors. Superconductor Science and Technology, 2007, 20, L5-L8.	3.5	25
401	Design and Test Results of 18.1 T Cryocooled Superconducting Magnet With Bi ₂ 223 Insert. IEEE Transactions on Applied Superconductivity, 2007, 17, 1422-1425.	1.7	13
402	Authors' reply to "Comments on 'A New Model of Two Directional J_c Distributions for Bi ₂ Sr ₂ CaCu ₂ O ₈ Materials'". IEEE Transactions on Applied Superconductivity, 2007, 17, 3897-3897.	1.7	0
403	Bi Addition Effect on J_m -B Performance of Powder-in-Tube Processed MgB_2 Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2925-2928.	1.7	5
404	Effect of Nano-C Doping on the Critical Current Density and Flux Pinning of MgB_2 Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2915-2918.	1.7	10
405	Room and low temperature direct three-dimensional-strain measurements by neutron diffraction on as-reacted and prebent CuNb _{1-x} Nb ₃ Sn wire. Journal of Applied Physics, 2007, 101, 103913.	2.5	36
406	J_c and Bi properties of $\text{Sm}_{1-x}\text{Ba}_x\text{Cu}_3\text{O}_y$ films with nano-particles. Physica C: Superconductivity and Its Applications, 2007, 463-465, 669-673.	1.2	6
407	Discovery of Li ₂ (Pd,Pt) ₃ B superconductors. Physica C: Superconductivity and Its Applications, 2007, 460-462, 91-94.	1.2	7
408	Flux pinning properties in high magnetic field and low temperature of $\text{SmBa}_2\text{Cu}_3\text{O}_y$ thin films. Physica C: Superconductivity and Its Applications, 2007, 463-465, 639-643.	1.2	5
409	Characteristics of $\text{ErBa}_2\text{Cu}_3\text{O}_{7-\delta}$ films with BaWO ₄ doping. Physica C: Superconductivity and Its Applications, 2007, 463-465, 909-913.	1.2	6
410	Enhancement of critical current in YBCO coated conductors in association with c-axis correlated artificial pinning centers. Physica C: Superconductivity and Its Applications, 2007, 463-465, 674-677.	1.2	4
411	Influence of intergrowth Bi ₂ 223 phase on the J_c properties of Bi ₂ Sr ₂ CaCu ₂ O ₇ whiskers. Physica C: Superconductivity and Its Applications, 2007, 460-462, 823-824.	1.2	1
412	Improved properties of epitaxial $\text{YNi}_x\text{Mn}_{1-x}\text{O}_3$ films by annealing under high magnetic fields. Applied Physics Letters, 2006, 89, 152505.	3.3	16
413	Prebending Strain Effect on $\text{CuNb/Nb}_3\text{Sn}$ Superconducting Wire During Practical React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2006, 16, 1220-1223.	1.7	13
414	Design of an 8 MW Water-Cooled Magnet for a 35 T Hybrid Magnet at the HFLSM. IEEE Transactions on Applied Superconductivity, 2006, 16, 977-980.	1.7	2

#	ARTICLE	IF	CITATIONS
415	Neutron Diffraction Study on Prebending Effects for Bronze Route Nb_3Sn Wires Without Reinforcement. IEEE Transactions on Applied Superconductivity, 2006, 16, 1228-1231.	1.7	19
416	Performance of a Cryogen-Free 30 T-Class Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2006, 16, 934-939.	1.7	30
417	Review on Biâ€“Srâ€“Caâ€“Cuâ€“O whiskers. Superconductor Science and Technology, 2006, 19, R81-R99.	3.5	33
418	Ic Enhancement Effect in Nb3Sn Coils Fabricated by the React-and-Wind Method. AIP Conference Proceedings, 2006, , .	0.4	3
419	Oxidized Hastelloy Cloth Insulation for a Wind-and-React Processed Ag/Bi2Sr2CaCu2O8 Superconducting Magnet. AIP Conference Proceedings, 2006, , .	0.4	1
420	Transport Properties for YBCO Films Prepared by In-field CVD Process. AIP Conference Proceedings, 2006, , .	0.4	0
421	63/65Cu-NMR study of the quantum spin system NH_4CuCl_3 showing magnetization plateaus. Journal of Physics: Conference Series, 2006, 51, 103-106.	0.4	0
422	Magnetic anisotropy study of UGe2 in a static high magnetic field. Journal of Physics: Conference Series, 2006, 51, 255-258.	0.4	1
423	Magnetic levitation experiments in Sendai. Journal of Physics: Conference Series, 2006, 51, 431-438.	0.4	7
424	Effect of magnetic field on thermal convection of phosphate glass melts. Journal of Physics: Conference Series, 2006, 51, 462-465.	0.4	0
425	Effect of nano-C doping on the in-situ processed MgB2 tapes. Journal of Physics: Conference Series, 2006, 43, 99-102.	0.4	2
426	Containerless melting and crystallization of diamagnetic organic materials under magnetic levitation condition. Journal of Physics: Conference Series, 2006, 51, 450-453.	0.4	1
427	Cl-NMR study on field-induced magnetic order in quasi-one-dimensional antiferromagnet $(\text{CH}_3)_2\text{CHNH}_3\text{CuCl}_3$. Journal of Physics: Conference Series, 2006, 51, 203-206.	0.4	4
428	Magnetic field effect on the magnetic torque and the magnetostriction in $(\text{CH}_3)_2\text{CHNH}_3\text{CuCl}_3$. Journal of Physics: Conference Series, 2006, 51, 187-190.	0.4	0
429	Cryocooled superconducting magnets for high magnetic fields at the HFLSM and future collaboration with the TML. Journal of Physics: Conference Series, 2006, 51, 631-634.	0.4	5
430	Application of prebending effect to high strength Nb3 Sn strands. Fusion Engineering and Design, 2006, 81, 2473-2478.	1.9	10
431	18.1â€“T cryocooled superconducting magnet with a Bi2223 high- insert. Fusion Engineering and Design, 2006, 81, 2425-2432.	1.9	24
432	Superconducting properties of MgB2 bulks processed in high magnetic fields. Physica C: Superconductivity and Its Applications, 2006, 445-448, 811-813.	1.2	5

#	ARTICLE	IF	CITATIONS
433	Materials processing in magnetic levitation furnaces. Science and Technology of Advanced Materials, 2006, 7, 346-349.	6.1	14
434	Enhanced Critical Current Density of MgB ₂ Superconductor Synthesized in High Magnetic Fields. Japanese Journal of Applied Physics, 2006, 45, L493-L496.	1.5	28
435	The effect of ZrSi ₂ and SiC doping on the microstructure and properties of PIT processed MgB ₂ tapes. Superconductor Science and Technology, 2006, 19, 133-137.	3.5	46
436	Growth of superconducting MgB ₂ films by pulsed-laser deposition using a Nd:YAG laser. Superconductor Science and Technology, 2006, 19, 242-246.	3.5	10
437	Relationship between architecture, filament breakage and critical current decay in Nb ₃ Sn composite wires repeatedly in-plane bent at room temperature. Superconductor Science and Technology, 2006, 19, 323-332.	3.5	9
438	Current-carrying capacity dependence of composite Bi ₂ Sr ₂ CaCu ₂ O ₈ superconductors on the liquid coolant conditions. Superconductor Science and Technology, 2006, 19, 703-710.	3.5	10
439	Development of a 10 T Cryocooled Superconducting Magnet with a Room Temperature Bore of 360 mm for a 29 T Hybrid Magnet. AIP Conference Proceedings, 2006, , .	0.4	2
440	Cu-NMR study on the disordered quantum spin magnet with the Bose-glass ground state. Journal of Physics: Conference Series, 2006, 51, 199-202.	0.4	5
441	Transport Properties over Critical Currents for Ag-Sheathed Bi ₂ Sr ₂ CaCu ₂ O ₈ Superconductors with Different E-J Dependence. Advances in Science and Technology, 2006, 47, 118-123.	0.2	2
442	Significantly enhanced critical current densities in MgB ₂ tapes made by a scaleable nanocarbon addition route. Applied Physics Letters, 2006, 88, 072502.	3.3	177
443	Effect of Prebending Strain on CuNb/Nb ₃ Sn Superconducting Coils Using a React and Wind Method. IEEE Transactions on Applied Superconductivity, 2006, 16, 1237-1240.	1.7	11
444	Sub- and overcritical stable states of composite high-T _c superconductors with different E(J) dependences and their unavoidable overheating. Journal of Applied Physics, 2006, 100, 063905.	2.5	10
445	A New Model of Two Directional J _c Distributions for Bi ₂ Sr ₂ CaCu ₂ O ₈ Materials. IEEE Transactions on Applied Superconductivity, 2006, 16, 1019-1022.	1.7	7
446	Improved critical current densities in MgB ₂ tapes with ZrB ₂ doping. Applied Physics Letters, 2006, 89, 132510.	3.3	19
447	Effects of c-axis correlated pinning in RE ₁₂₃ superconductors. Journal of Physics: Conference Series, 2006, 51, 271-274.	0.4	3
448	High Magnetic Field Transport Properties of NEG123 and Y123 Bulk Materials. TEION KOGAKU (Journal of)	0.1	1
449	Superconducting Properties in LTC-Sm _{1-x} Ba _{2-x} Cu ₃ O _y +Low-T _c Nanoparticle Films under Low Temperature and High Magnetic Field. TEION KOGAKU (Journal of Cryogenics and Superconductivity)	0.1	1
450	Development of an 18 T Cryocooled High-T _c Superconducting Magnet. TEION KOGAKU (Journal of)	0.1	1

#	ARTICLE	IF	CITATIONS
451	Development of a Large-bore Cryocooled Superconducting Magnet for Hybrid Magnets. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2006, 41, 310-315.	0.1	2
452	Measurement of critical current for bulk superconductors by transport method. Physica C: Superconductivity and Its Applications, 2005, 426-431, 649-653.	1.2	6
453	Cu-NMR Study on Field-Induced Phase Transitions in Quantum Spin Magnet NH ₄ CuCl ₃ . Progress of Theoretical Physics Supplement, 2005, 159, 235-240.	0.1	3
454	Microspheres of Tellurite Glass Formed by Evaporation-Condensation Process under High Magnetic Field. Japanese Journal of Applied Physics, 2005, 44, 7546-7549.	1.5	3
455	Characteristics of Charging Effect in One-Dimensional Array of Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Intrinsic Josephson Junctions. Japanese Journal of Applied Physics, 2005, 44, L766-L769.	1.5	1
456	Prebending effects in bronze route Nb ₃ Sn wires. Superconductor Science and Technology, 2005, 18, S313-S318.	3.5	22
457	Critical current density of MgB ₂ thin film with pinning centres introduced by deposition in oxygen atmosphere. Superconductor Science and Technology, 2005, 18, 1460-1463.	3.5	31
458	Mechanical characteristics of Bi-2223 tape with a low matrix ratio. Superconductor Science and Technology, 2005, 18, 47-50.	3.5	6
459	Application of the prebending strain effect on CuNb/Nb ₃ Sn superconducting coils fabricated by a react-and-wind method. Superconductor Science and Technology, 2005, 18, S261-S265.	3.5	14
460	Annealing effects on the microstructure, electrical, and magnetic properties of jelly-rolled Cu-Nb composite wires. Superconductor Science and Technology, 2005, 18, 35-40.	3.5	20
461	J properties and local J _c distribution of practical Ag-sheathed Bi ₂ Sr ₂ CaCu ₂ O ₈ tapes. Superconductor Science and Technology, 2005, 18, S223-S226.	3.5	4
462	High Magnetic Field Properties of Critical Current Density in $Y_{1-x}Ba_xCu_3O_{7-\delta}$ Coated Conductor Fabricated by Improved TFA-MOD Process. IEEE Transactions on Applied Superconductivity, 2005, 15, 2574-2577.	1.7	10
463	Mechanism of a High Irreversibility Field for (Nd, Eu, Gd) $Ba_2Cu_3O_{7-\delta}$ Bulk. IEEE Transactions on Applied Superconductivity, 2005, 15, 3786-3789.	1.7	5
464	Large T_c and B_{c2} and I_{c0} Enhancement Effect Due to the Prebending Treatment for Bronze Route Nb_3Sn Wires. IEEE Transactions on Applied Superconductivity, 2005, 15, 3564-3567.	1.7	21
465	Development of a Bi2223 Insert Coil for a Conduction-Cooled 19 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 1512-1515.	1.7	11
466	Cryogen-free superconducting magnet fabricated by a react-and-wind method employing Nb ₃ Sn wires with CuNbTi reinforcement. , 2005, , 573-576.		1
467	$\zeta\mu^{\circ}-\alpha\mu^{\circ}\ddot{a},\ddot{a}^{\circ}\ddot{a}e-\text{TM}\ddot{a}f-\ddot{a}f\ddot{a},\rangle\ddot{a},^1$. Electrochemistry, 2005, 73, 440-445.	1.4	0
468	APPLICATION OF MAGNETIC LEVITATION TO PROCESSING OF DIAMAGNETIC MATERIALS. , 2005, ,		3

#	ARTICLE	IF	CITATIONS
469	The spin chirality induced anomalous Hall effect in pyrochlore ferromagnets. Journal of Physics Condensed Matter, 2004, 16, S599-S606.	1.8	11
470	Enhancement of Upper Critical Field and Critical Temperature by Prebending Process for Practical Nb3Sn Wires. Japanese Journal of Applied Physics, 2004, 43, L709-L711.	1.5	17
471	Current-carrying properties in a low resistivity state for Ag-sheathed Bi2Sr2CuCu2O8tape. Superconductor Science and Technology, 2004, 17, S533-S537.	3.5	6
472	Limiting current-carrying capacity of Ag-sheathed Bi2Sr2CaCu2O8conductors: linear approximation. Superconductor Science and Technology, 2004, 17, 1242-1246.	3.5	16
473	Eâ€“properties of Bi2212 tape in the practical current region. Superconductor Science and Technology, 2004, 17, S568-S571.	3.5	7
474	Bose glass state in bulk(Nd,Eu,Gd)Ba2Cu3Oxwith a high irreversibility field. Physical Review B, 2004, 69, .	3.2	17
475	Development of a Cryo-Cooled Superconducting Magnet With a Large Magnetic-Force Field. IEEE Transactions on Applied Superconductivity, 2004, 14, 384-387.	1.7	2
476	The influence of annealing on the microstructure and electrical resistivity of jelly-rolled Cu-Nb composite wires. IEEE Transactions on Applied Superconductivity, 2004, 14, 1165-1168.	1.7	4
477	Development of High-Strength<tex>\$rm Nb_3rm Sn\$</tex>Conductor. IEEE Transactions on Applied Superconductivity, 2004, 14, 1004-1007.	1.7	24
478	Heat Transfer in Water Under Strong Gradient Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2004, 14, 1682-1684.	1.7	4
479	Mechanical and Superconducting Properties of Bi-2223 Tape for 19 T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 1210-1213.	1.7	9
480	Design of a Cryocooler-Cooled Large Bore Superconducting Magnet for a 30 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 368-371.	1.7	7
481	Advances in the First Cryogen-Free Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 388-392.	1.7	12
482	High magnetic field transport properties of (Nd,Eu,Gd)Ba2Cu3Oxbulk. Superconductor Science and Technology, 2004, 17, S6-S9.	3.5	7
483	A Cryocooler-Cooled 19 T Superconducting Magnet With 52 mm Room Temperature Bore. IEEE Transactions on Applied Superconductivity, 2004, 14, 393-396.	1.7	25
484	HALL AND MAGNETORESISTANCE EFFECTS OBTAINED FROM SIMULTANEOUS MEASUREMENTS OF LIQUID METALS AND SEMICONDUCTORS. International Journal of Modern Physics B, 2004, 18, 3625-3628.	2.0	0
485	The Influence of Annealing on the Microstructure and Electrical Resistivity of Jelly-Rolled Cu-Nb Composite Wires. IEEE Transactions on Applied Superconductivity, 2004, 14, 1165-1168.	1.7	2
486	Magnet technology and materials research at the High-Field Laboratory for Superconducting Materials. Physica B: Condensed Matter, 2004, 346-347, 618-622.	2.7	2

#	ARTICLE	IF	CITATIONS
487	Magnetic orientation of paraffin in a magnetic levitation furnace. Physica B: Condensed Matter, 2004, 346-347, 277-281.	2.7	17
488	A novel approach for simultaneous measurements of Hall effect and magnetoresistance effect in solid and liquid state of gallium and mercury metals. Physica B: Condensed Matter, 2004, 346-347, 306-309.	2.7	1
489	J properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ thick films. Physica C: Superconductivity and Its Applications, 2004, 412-414, 1041-1044.	1.2	4
490	NMR study on quantum spin magnet NH ₄ CuCl ₃ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 906-907.	2.3	2
491	Application of elevated magnetic fields during growth of BiSrCaCuO superconducting whiskers and studies of growth defects for better understanding of the growth mechanism. Journal of Crystal Growth, 2004, 269, 518-534.	1.5	12
492	Influence of columnar defects on pinning parameters in high-T _c superconductors. Physica C: Superconductivity and Its Applications, 2004, 412-414, 511-514.	1.2	5
493	Current sharing effect on the current instability and allowable temperature rise of composite high-TC superconductors. Physica C: Superconductivity and Its Applications, 2004, 416, 126-136.	1.2	18
494	Improvement of J_c by Loading and Unloading Bending Strain for High Strength Nb ₃ Sn Wires. IEEE Transactions on Applied Superconductivity, 2004, 14, 983-986.	1.7	16
495	A Superconducting Coil with High-strength CuNi-NbTi/Nb ₃ Sn Wire Fabricated Using the React and Wind Technique Application for the Cryocooled Superconducting Magnet. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT /Overlook	0.784314	3
496	Effect of Prebending Strain on the Superconducting Characteristics of CuNb/Nb ₃ Sn Superconducting Wires. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2004, 39, 422-426.	0.1	5
497	Development of High Strength Nb ₃ Sn Wire Bronze Processed Nb ₃ Sn Wire Reinforced with Cu-NbTi Intermetallic Compound. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq1 1 0.784314 rgBT /Overlook	0.784314	3
498	Cryogen-Free Superconducting and Hybrid Magnets. Journal of Low Temperature Physics, 2003, 133, 17-30.	1.4	27
499	NMR study on the quantum spin ladder NH ₄ CuCl ₃ . Physica B: Condensed Matter, 2003, 329-333, 977-978.	2.7	7
500	Cryogenfree superconducting magnets. Physica B: Condensed Matter, 2003, 329-333, 1487-1488.	2.7	5
501	High field and low temperature X-ray study on phase segregation for Nd _{0.5} Sr _{0.5} MnO ₃ powder and single crystal. Physica B: Condensed Matter, 2003, 329-333, 824-825.	2.7	0
502	Cryogen-free hybrid magnet for magnetic levitation. Physica C: Superconductivity and Its Applications, 2003, 386, 485-489.	1.2	27
503	Critical current properties in HTS tapes. Physica C: Superconductivity and Its Applications, 2003, 392-396, 1053-1062.	1.2	52
504	High magnetic field researches in Tohoku University. Current Applied Physics, 2003, 3, 367-376.	2.4	6

#	ARTICLE	IF	CITATIONS
505	Magnetic field effects on synthesis process of high-Tc superconductors. Current Applied Physics, 2003, 3, 391-395.	2.4	16
506	Estimation of $E \propto J$ characteristics in a YBCO coated conductor at low temperature and very high magnetic field. Physica C: Superconductivity and Its Applications, 2003, 392-396, 1078-1082.	1.2	26
507	Improvement of mechanical and superconducting properties in CuNb/(Nb,Ti)3Sn wires by applying bending strain at room temperature. Superconductor Science and Technology, 2003, 16, 733-738.	3.5	41
508	Percolative transition and scaling of transport E - J characteristics in YBCO coated ibad tape. IEEE Transactions on Applied Superconductivity, 2003, 13, 2607-2610.	1.7	27
509	Control of Thermal Convection in Water by Strong Gradient Magnetic Fields. Japanese Journal of Applied Physics, 2003, 42, L715-L717.	1.5	24
510	Thermal stability of oxide superconductors in flux flow state. IEEE Transactions on Applied Superconductivity, 2003, 13, 1576-1579.	1.7	10
511	Magnetic Field Induced Sign Reversal of the Anomalous Hall Effect in a Pyrochlore Ferromagnet Nd ₂ Mo ₂ O ₇ : Evidence for a Spin Chirality Mechanism. Physical Review Letters, 2003, 90, 257202.	7.8	71
512	The Two-Phase Coexistent Region in Nd _{0.5} Sr _{0.5} MnO ₃ . Journal of the Physical Society of Japan, 2003, 72, 2837-2842.	1.6	2
513	First performance test of the cryogenfree hybrid magnet. IEEE Transactions on Applied Superconductivity, 2003, 13, 1632-1635.	1.7	6
514	Transport characteristics of a CuNb/Nb ₃ Sn superconducting coil fabricated using a react and wind method. Superconductor Science and Technology, 2003, 16, 1082-1085.	3.5	5
515	Effects of repeated bending load at room temperature for composite Nb ₃ Sn wires. Superconductor Science and Technology, 2003, 16, 1059-1063.	3.5	15
516	Enhancement of Critical Current Densities by the Prebending Strain at Room Temperature for Nb ₃ Sn Wires. Japanese Journal of Applied Physics, 2003, 42, L1142-L1144.	1.5	18
517	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
518	Orientation Effect in Melting of Paraffin under the Magnetic Levitation Condition. Journal of the Magnetism Society of Japan, 2003, 27, 1125-1129.	0.4	0
519	Observation of growth-mode change under a magnetic field in YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 2002, 65, .	3.2	19
520	Performance test of a CuNb reinforced (Nb,Ti)/sub 3/Sn coil fabricated by the react and wind method. IEEE Transactions on Applied Superconductivity, 2002, 12, 1697-1700.	1.7	9
521	YBa ₂ Cu ₃ O ₇ films processed by CVD in high magnetic fields. Superconductor Science and Technology, 2002, 15, 411-415.	3.5	2
522	Microstructure and orientation of iron crystals by thermal chemical vapor deposition with imposition of magnetic field. Journal of Materials Research, 2002, 17, 2865-2874.	2.6	3

#	ARTICLE	IF	CITATIONS
523	Thermal stability of oxide superconductor at various temperatures. IEEE Transactions on Applied Superconductivity, 2002, 12, 1155-1158.	1.7	20
524	The intergranular and intragranular properties of Ag-clamped Bi-2212 thick films melt-solidified with and without Bi ₂ Al ₄ O ₉ . Superconductor Science and Technology, 2002, 15, 67-71.	3.5	2
525	Texture and Grain Structure of Iron Film Obtained by CVD with Imposition of Magnetic Field. Materials Science Forum, 2002, 408-412, 1633-1638.	0.3	0
526	Large Random-Field Behavior above the Vacancy Percolation Concentration Threshold: Fe _{0.84} Zn _{0.16} F ₂ . Journal of the Physical Society of Japan, 2002, 71, 411-413.	1.6	3
527	(Nb,Ti)/sub 3/Sn superconducting wire with CuNb reinforcing stabilizer. IEEE Transactions on Applied Superconductivity, 2002, 12, 1067-1070.	1.7	30
528	Construction of the cryogen-free 23 T hybrid magnet. IEEE Transactions on Applied Superconductivity, 2002, 12, 678-681.	1.7	9
529	Critical current properties in YBCO coated IBAD tapes. Physica C: Superconductivity and Its Applications, 2002, 372-376, 794-797.	1.2	8
530	Distribution of pinning strength and scaling behavior in YBCO coated IBAD tape. Physica C: Superconductivity and Its Applications, 2002, 382, 57-61.	1.2	5
531	On the role of silver evaporation during YBa ₂ Cu ₃ O _{7-δ} film processing. Physica C: Superconductivity and Its Applications, 2002, 378-381, 102-106.	1.2	2
532	Angular dependence of critical current properties in YBCO coated tape under high magnetic field up to 18 T. Physica C: Superconductivity and Its Applications, 2002, 378-381, 1113-1117.	1.2	37
533	Fabrication of low cost YBCO coated conductors using Ag-clad Hastelloy substrates. Cryogenics, 2002, 42, 383-386.	1.7	2
534	Coexistence of ferromagnetism and superconductivity in Cu-rich lanthanum Cu-oxides. European Physical Journal B, 2002, 25, 19-23.	1.5	0
535	Flux-Pinning Properties for CVD Processed YBa ₂ Cu ₃ O ₇ Films. Advances in Materials Research, 2002, , 41-53.	0.2	0
536	Glass spheres produced by magnetic levitation method. Journal of Non-Crystalline Solids, 2001, 293-295, 624-629.	3.1	19
537	Development of a CuNb reinforced and stabilized Nb/sub 3/Sn coil for a cryocooled superconducting magnet system. IEEE Transactions on Applied Superconductivity, 2001, 11, 3623-3626.	1.7	9
538	Preparation of YBCO films by chemical vapor deposition in a magnetic field. Physica B: Condensed Matter, 2001, 294-295, 482-485.	2.7	12
539	Hybrid magnets and cryogen-free superconducting magnets developed at the High-Field Laboratory for superconducting materials. Physica B: Condensed Matter, 2001, 294-295, 541-546.	2.7	1
540	Magnetic levitation experiments in Tohoku University. Physica B: Condensed Matter, 2001, 294-295, 729-735.	2.7	35

#	ARTICLE	IF	CITATIONS
541	Effect of magnetic field on growth of YBa ₂ Cu ₃ O ₇ films on MgO substrates by metalorganic chemical vapor deposition. Physica C: Superconductivity and Its Applications, 2001, 353, 283-288.	1.2	8
542	Growth and superconducting properties of YBa ₂ Cu ₃ O ₇ films on silver substrates by MOCVD in magnetic fields. Physica C: Superconductivity and Its Applications, 2001, 357-360, 337-340.	1.2	5
543	Angular dependence of Eâ€“J characteristics under high magnetic fields in YBCO thin films. Physica C: Superconductivity and Its Applications, 2001, 357-360, 273-276.	1.2	3
544	A new reinforced winding of Bi-2212 coils for 30 T class superconducting magnets. Physica C: Superconductivity and Its Applications, 2001, 357-360, 1293-1296.	1.2	3
545	Influence of a magnetic field on melt-growth process of YBa ₂ Cu ₃ O _x . Journal of Crystal Growth, 2001, 226, 83-87.	1.5	19
546	Surface morphology and growth mechanism of YBa ₂ Cu ₃ O ₇ films by chemical vapor deposition in a magnetic field. Journal of Crystal Growth, 2001, 233, 483-489.	1.5	18
547	Crystal growth and materials processing in the magnetic levitation condition. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 2090-2093.	2.3	25
548	Normal zone propagation and quench characteristics of Nb/sub 3/Sn wires with jelly-roll and in-situ processed CuNb reinforcements. IEEE Transactions on Applied Superconductivity, 2001, 11, 3627-3630.	1.7	15
549	Evaporation of Silver during Chemical Vapor Deposition Process for YBa ₂ Cu ₃ O ₇ and its Effect on Microstructure. Japanese Journal of Applied Physics, 2001, 40, 6339-6343.	1.5	7
550	E-J Characteristics and Distribution of Local J _c for Melt-Textured Grown Bulk YBa ₂ Cu ₃ O ₇ under High Magnetic Fields. Japanese Journal of Applied Physics, 2001, 40, L330-L333.	1.5	2
551	Influence of d-Wave Symmetry on Irreversibility Line and Critical Current Densities. Japanese Journal of Applied Physics, 2001, 40, L1022-L1025.	1.5	10
552	Alignment and Orientation of Diamagnetic Materials under Magnetic Levitation Condition. Japanese Journal of Applied Physics, 2001, 40, L1336-L1339.	1.5	11
553	Thermal Stability of Ag/Bi-2212 Tape at Cryocooled Condition.. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 1gBT /Ov 0.1 18		
554	Two-dimensional quench simulation of composite CuNb/Nb ₃ Sn conductors. Cryogenics, 2000, 40, 393-401.	1.7	6
555	Crystal growth of ammonium chloride in magnetic levitation conditions. Journal of Crystal Growth, 2000, 209, 1013-1017.	1.5	27
556	X-ray diffraction study of the structural phase transition of Ni ₂ MnGa alloys in high magnetic fields. Solid State Communications, 2000, 113, 671-676.	1.9	61
557	Investigation of phase transformations in Ni ₂ MnGa using high magnetic field low-temperature X-ray diffraction system. Physica B: Condensed Matter, 2000, 284-288, 1333-1334.	2.7	4
558	Low temperature and magnetic field X-ray diffraction study for Nd _{0.5} Sr _{0.5} MnO ₃ . Physica B: Condensed Matter, 2000, 284-288, 1682-1683.	2.7	6

#	ARTICLE	IF	CITATIONS
559	Stability for Ag sheathed Bi ₂ Sr ₂ CaCu ₂ O ₈ tape coils under strong electromagnetic force state. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2597-2598.	1.2	1
560	Containerless Melting of Glass by Magnetic Levitation Method. Japanese Journal of Applied Physics, 2000, 39, L324-L326.	1.5	61
561	New Metalorganic Chemical Vapor Deposition Process in a High Magnetic Field for YBa ₂ Cu ₃ O ₇ . Japanese Journal of Applied Physics, 2000, 39, L726-L729.	1.5	21
562	Liquid helium-free 15 T superconducting magnet at 4 K. Superconductor Science and Technology, 2000, 13, 12-17.	3.5	7
563	Stability of Nb/sub 3/Sn wires with CuNb reinforcing stabilizer on cryocooled superconducting magnet. IEEE Transactions on Applied Superconductivity, 2000, 10, 1235-1238.	1.7	8
564	Construction of large scale Bitter magnet and its application to crystal growth in levitating water. IEEE Transactions on Applied Superconductivity, 2000, 10, 905-908.	1.7	9
565	Effect of high magnetic field on the two-step martensitic-phase transition in Ni ₂ MnGa. Applied Physics Letters, 2000, 76, 37-39.	3.3	36
566	Activities in High Field Laboratory for Superconducting Materials at Sendai. IEEE Transactions on Applied Superconductivity, 2000, 10, 1560-1563.	1.7	0
567	Jc enhancement of YBa ₂ Cu ₃ O ₇ films on polycrystalline silver substrates by metalorganic chemical vapor deposition in high magnetic fields. Applied Physics Letters, 2000, 77, 3633-3635.	3.3	48
568	Critical Current Properties and Scaling of Bi(2223)/Ag Multifilamentary Tapes at Liquid Nitrogen Temperatures. , 2000, , 670-672.		1
569	Anisotropy of E-J Characteristics in YBCO Superconductors. , 2000, , 389-391.		0
570	Sweep rate dependence of magnetic hysteresis loops and peak effect in high- superconductors. Superconductor Science and Technology, 1999, 12, 55-61.	3.5	7
571	Melt textured process for YBCO in high magnetic fields. IEEE Transactions on Applied Superconductivity, 1999, 9, 2014-2017.	1.7	15
572	Transport properties of Bi-2212/Ag multifilamentary tape under a large electromagnetic stress state. IEEE Transactions on Applied Superconductivity, 1999, 9, 952-955.	1.7	4
573	Effects of reheating after solution treatment and magnetic fields on Î± martensite formation in SUS304L steel during isothermal holding at cryogenic temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 273-275, 333-336.	5.6	4
574	Crossover from intrinsic to extrinsic pinning for YBa ₂ Cu ₃ O ₇ films. Cryogenics, 1999, 39, 569-577.	1.7	26
575	Effect of Ag-doping on Texture Development of Bi2212 Bulks in High Magnetic Field. Journal of Low Temperature Physics, 1999, 117, 771-775.	1.4	5
576	Cryocooled large bore superconducting magnet for a hybrid magnet system employing highly strengthened (Nb,Ti)/sub 3/Sn wires with CuNb stabilizer. IEEE Transactions on Applied Superconductivity, 1999, 9, 440-443.	1.7	5

#	ARTICLE	IF	CITATIONS
577	Magnetization Properties for YBa ₂ Cu ₃ O ₇ Bulk Fabricated by Seed Process in High Magnetic Fields. , 1999, , 653-656.		1
578	Development of Large Area and High-Strength CuAg Alloy Plates for High-Field Bitter Coils. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1999, 63, 1290-1294.	0.4	2
579	Recent developments at the high-field laboratory of Tohoku University. Physica B: Condensed Matter, 1998, 246-247, 360-363.	2.7	3
580	Magnetization measurement of YBa ₂ Cu ₃ O _y in high magnetic fields up to 30T. Physica B: Condensed Matter, 1998, 246-247, 433-436.	2.7	5
581	Magnetic levitation experiments in Tohoku University. Physica B: Condensed Matter, 1998, 256-258, 618-620.	2.7	39
582	Mechanical and electrical characteristics of a reinforced tape coil in large hoop stress. Superconductor Science and Technology, 1998, 11, 986-988.	3.5	1
583	15 T Cryocooled Nb ₃ Sn Superconducting Magnet with a 52 mm Room Temperature Bore. Japanese Journal of Applied Physics, 1998, 37, L1148-L1150.	1.5	54
584	Cryocooler Cooled Superconducting Magnets and Their Applications. , 1998, , 291-297.		15
585	X-ray Diffraction Investigation in High Fields at Low Temperature for Nd _{0.5} Sr _{0.5} MnO ₃ . , 1998, , 747-752.		14
586	Strain and Superconducting Properties for R&W Reinforcing and Stabilizing Nb ₃ Sn Coil under High Electromagnetic Force.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq0 0 0 rgB0, Overlock 10 Tf 50		
587	Phase Diagram in the Vortex State in YBa ₂ Cu ₃ O _y Single Crystals. , 1998, , 443-448.		0
588	Development of High Field Heat-Treatment Equipment and Relevant Applications. Japanese Journal of Applied Physics, 1997, 36, L673-L675.	1.5	52
589	Some superconducting characteristics of Nb/sub 3/Al composite wires prepared by rapid-quenching process. IEEE Transactions on Applied Superconductivity, 1997, 7, 1572-1575.	1.7	15
590	Insert model coil wound by Al/sub 2/O/sub 3/-Cu strengthened Nb/sub 3/Sn wire. IEEE Transactions on Applied Superconductivity, 1997, 7, 427-430.	1.7	13
591	Experimental apparatus for critical current measurement above 5 K using Bi-based oxide current leads. IEEE Transactions on Applied Superconductivity, 1997, 7, 707-710.	1.7	3
592	Current carrying properties of high-T/sub c/ Bi/sub 2/Sr/sub 2/CaCu/sub 2/O/sub 8/ tapes in a large electromagnetic stress state. IEEE Transactions on Applied Superconductivity, 1997, 7, 1311-1314.	1.7	3
593	A design of a compact superconducting magnet for a 40 T hybrid magnet. IEEE Transactions on Applied Superconductivity, 1997, 7, 431-434.	1.7	3
594	Development and Application of Low Temperature X-Ray Diffraction Apparatus in High Magnetic Field. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 1012-1017.	0.4	2

#	ARTICLE	IF	CITATIONS
595	Spin-wave resonance in ferromagnetic coupled Co/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1997, 176, 127-133.	2.3	25
596	Magnetisation and instability in melt-textured YBa ₂ Cu ₃ O ₇ at low temperature and high fields up to 23 T. Physica C: Superconductivity and Its Applications, 1997, 274, 33-38.	1.2	9
597	Transport current density up to 10 T at 77 K in filamentary YBa ₂ Cu ₃ O ₇ superconductor. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2287-2288.	1.2	10
598	Development of a 40 T compact hybrid magnet. IEEE Transactions on Magnetics, 1996, 32, 2470-2473.	2.1	9
599	A cryocooler cooled 6 T NbTi superconducting magnet with room temperature bore of 220 mm. IEEE Transactions on Magnetics, 1996, 32, 2594-2597.	2.1	4
600	Magnetic Field Effects on the Current Oscillations in Anodic Zinc Dissolution. Chemistry Letters, 1996, 25, 673-674.	1.3	10
601	The field dependence of J_c for the Y123 filament spun from various spinning dope. European Physical Journal D, 1996, 46, 1687-1688.	0.4	0
602	Cryocooler-cooled high field superconducting magnet. European Physical Journal D, 1996, 46, 2745-2746.	0.4	1
603	Stability of bronze processed (Nb,Ti) ₃ Sn superconducting wire reinforced and stabilized with CuNb in-situ composites. Cryogenics, 1996, 36, 225-228.	1.7	4
604	Magnetization hysteresis of quench-melt-growth processed YBa ₂ Cu ₃ O ₇ in high fields up to 23 T. Physica C: Superconductivity and Its Applications, 1996, 262, 292-296.	1.2	0
605	11 T liquid helium-free superconducting magnet. Cryogenics, 1996, 36, 1019-1025.	1.7	64
606	High field properties of irreversibility field and pinning force for YBa ₂ /Cu ₃ O ₇ film. IEEE Transactions on Magnetics, 1996, 32, 2776-2779.	2.1	7
607	Field Dependence of J_c for F-Doped Hg1223 Filament. Japanese Journal of Applied Physics, 1996, 35, L1404-L1406.	1.5	8
608	Ettingshausen and Nernst Effects of QMG-YBa ₂ Cu ₃ O ₇ in Magnetic Fields up to 14 T. Japanese Journal of Applied Physics, 1996, 35, 82-89.	1.5	3
609	Anisotropic properties of the anomalous second peak in the magnetization curves and the irreversibility field of YBa ₂ Cu ₃ O _y (6.6 ≤ y ≤ 6.9) single crystals. Physica C: Superconductivity and Its Applications, 1995, 251, 255-262.	1.2	34
610	Residual strain estimation in multifilamentary Nb ₃ Sn wires with CuNb reinforcement. IEEE Transactions on Applied Superconductivity, 1995, 5, 1905-1908.	1.7	20
611	Critical current research activities for high-T _c superconductors at High Field Laboratory for Superconducting Materials, Tohoku University. Synthetic Metals, 1995, 71, 1585-1586.	3.9	6
612	Current Leads Consisting of QMG-YBa ₂ Cu ₃ O _x . , 1995, , 851-854.		1

#	ARTICLE	IF	CITATIONS
613	Relationship between strain effect and martensitic transformation in multifilamentary Nb ₃ Sn wires. Journal of Applied Physics, 1994, 75, 7404-7407.	2.5	5
614	Highly strengthened multifilamentary (Nb,Ti)/sub 3/Sn wires stabilized with CuNb composite. IEEE Transactions on Magnetics, 1994, 30, 1871-1874.	2.1	45
615	Thermomagnetic effect of QMG-YBa ₂ Cu ₃ O _x in magnetic fields up to 14T. Physica B: Condensed Matter, 1994, 194-196, 1853-1854.	2.7	1
616	Thermal conductivity of QMG-YBa ₂ Cu ₃ O _x in magnetic fields up to 14T. Physica B: Condensed Matter, 1994, 194-196, 2135-2136.	2.7	1
617	Structure and superconductivity of iodine-intercalated Bi ₂ Sr ₄ Cu ₂ CO ₃ O _z . Physica C: Superconductivity and Its Applications, 1994, 233, 209-213.	1.2	1
618	Morphology and relevant J _c properties of CVD-YBa ₂ Cu ₃ O ₇ films. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3003-3004.	1.2	0
619	Influence of the flux creep on the irreversibility line of YBa ₂ Cu ₃ O _y (6.6% \pm 0.9) single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2785-2786.	1.2	4
620	Liquid helium-free superconducting magnets and their applications. Cryogenics, 1994, 34, 639-642.	1.7	41
621	Effects of High Magnetic Fields on Martensitic Transformation at Cryogenic Temperatures for Various Heat Treated Stainless Steels. , 1994, , 1207-1213.		4
622	Sample Dependence of Dimensional Crossover Point of Pinning in CVD-YBa ₂ Cu ₃ O _{7-δ} Films. , 1994, , 515-518.		0
623	Transport critical current density of melt-processed (QMG) YBa ₂ Cu ₃ O _x bulk superconductors. Cryogenics, 1993, 33, 506-509.	1.7	11
624	Effects of iodine intercalation on the superconducting properties of the Bi ₂ Sr _{2-x} LaxCuO _z compound. Physica C: Superconductivity and Its Applications, 1993, 215, 402-406.	1.2	11
625	Crystallographic relationship between Y ₂ Cu ₂ O ₅ and 123-phase in chemical vapour deposited Y-Ba-Cu-O superconducting films. Journal of Materials Science Letters, 1993, 12, 1430-1433.	0.5	5
626	Nb/sub 3/Sn multifilamentary wires with CuNb reinforcing stabilizer. IEEE Transactions on Applied Superconductivity, 1993, 3, 1006-1009.	1.7	37
627	Dimensional Crossover Effect of Pinning in YBa ₂ Cu ₃ O ₇ Films. Japanese Journal of Applied Physics, 1993, 32, L1795-L1797.	1.5	4
628	The Anisotropy of Transport Critical Current Densities in Tl ₂ Ba ₂ Ca ₂ Cu ₃ O _x Thin Films under Magnetic Fields up to 20 T. Japanese Journal of Applied Physics, 1992, 31, L1041-L1043.	1.5	14
629	Magnetization hysteresis in high fields for quench-melt-growth processed Y ₁ Ba ₂ Cu ₃ O ₇ . Superconductor Science and Technology, 1992, 5, S288-S291.	3.5	1
630	Dimensional Crossover Effect in J _c Characteristics of Chemical Vapor Deposition Processed YBa ₂ Cu ₃ O _{7-δ} Films. Japanese Journal of Applied Physics, 1992, 31, L1532-L1535.	1.5	10

#	ARTICLE	IF	CITATIONS
631	Flux jumps in the magnetization of QMG processed Y1Ba2Cu3O7. Cryogenics, 1992, 32, 959-963.	1.7	11
632	Angular dependence of the transport critical current density of CVD YBaCuO films. AIP Conference Proceedings, 1991, , .	0.4	1
633	Angular dependence of Jc and Bc2 in the CVD-YBa2Cu3O7- δ films. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2199-2200.	1.2	1
634	On the Difference of pinning potentials for thermally activated flux creep estimated by resistive and magnetization measurements in high Tc superconducting films. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2285-2286.	1.2	3
635	Flux creep in YBa2Cu3O7 films. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2353-2354.	1.2	7
636	Superconductivity of Bi2 \hat{x} PbxSr2 \hat{x} LnxCuOy(Ln=La,Nd) and valence analysis of Bi and Cu. Physica C: Superconductivity and Its Applications, 1991, 185-189, 683-684.	1.2	4
637	Low-temperature formation of YBaCuO superconducting films by thermal CVD and their Jc in high magnetic fields. Physica C: Superconductivity and Its Applications, 1991, 190, 79-80.	1.2	6
638	Magnetic Instability in High-JcY1Ba2Cu3O7Prepared by Quench-Melt-Growth Process. Japanese Journal of Applied Physics, 1991, 30, L1638-L1640.	1.5	14
639	Angular dependence of critical current density of YBa2Cu3O7- δ films in magnetic fields. Superconductor Science and Technology, 1991, 4, S328-S330.	3.5	4
640	Preparation and superconducting properties of Y-Ba-Cu-O films on oxide polycrystalline substrates by chemical vapour deposition. Superconductor Science and Technology, 1991, 4, 192-198.	3.5	10
641	Angular dependence of the upper critical field and the critical current density for Y1Ba2Cu3O7 \hat{x} films. Journal of Applied Physics, 1991, 69, 1543-1546.	2.5	61
642	Transport and magnetic properties of LaxSr1-xTiO3. Physica B: Condensed Matter, 1990, 165-166, 1185-1186.	2.7	29
643	EFFECTS OF PLASMA OXIDATION ON TRANSPORT PROPERTIES OF SPUTTERED Y-Ba-Cu-O FILMS. Modern Physics Letters B, 1989, 03, 87-92.	1.9	0
644	Cu-NMR studies of Nd2 \hat{x} CexCuO4 \hat{y} . Physica C: Superconductivity and Its Applications, 1989, 160, 8-16.	1.2	48
645	Cu-NMR of the antiferromagnetic and superconducting Nd 2 \hat{x} Ce x CuO 4 \hat{y} . Physica C: Superconductivity and Its Applications, 1989, 162-164, 181-182.	1.2	3
646	Substitution for copper in a high-Tc superconductor YBa2Cu3O7 \hat{x} . Nature, 1987, 328, 512-514.	27.8	387
647	Effect of <i>c</i> -Axis-Related Disorders on the Vortex Diagram of the Pinning State. Applied Physics Express, 0, 1, 031703.	2.4	5
648	Compact Design of a 30 T Superconducting Magnet Incorporating YBa ₂ Cu ₃ O ₇ Coated Conductor Tapes and Pre-reacted Nb ₃ Sn Strand Cables. Applied Physics Express, 0, 1, 101703.	2.4	10

#	ARTICLE	IF	CITATIONS
649	Effects of BaMO ₃ (M = Zr, Sn) Nanorods on Critical Temperature of ErBa ₂ Cu ₃ O _y Films. Applied Physics Express, 0, 2, 073001.	2.4	14
650	Stress/Strain Effects on Industrial Superconducting Composites. Materials Science Forum, 0, 681, 209-214.	0.3	3
651	Hot pressing to enhance the transport Jc of Sr0.6K0.4Fe2As2 superconducting tapes. , 0, .		1