

# 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	Substitution for copper in a high-Tc superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Nature, 1987, 328, 512-514.	27.8	387
2	Significantly enhanced critical current densities in MgB <sub>2</sub> tapes made by a scaleable nanocarbon addition route. Applied Physics Letters, 2006, 88, 072502.	3.3	177
3	Quantum Hall effect in a bulk antiferromagnet EuMnBi <sub>2</sub> with magnetically confined two-dimensional Dirac fermions. Science Advances, 2016, 2, e1501117.	10.3	171
4	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
5	First performance test of a 25 T cryogen-free superconducting magnet. Superconductor Science and Technology, 2017, 30, 065001.	3.5	128
6	Realization of practical level current densities in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> tape conductors for high-field applications. Applied Physics Letters, 2014, 104, 202601.	3.3	119
7	Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N. Journal of Geophysical Research, 2011, 116, .	3.3	112
8	Development and large volume production of extremely high current density YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconducting wires for fusion. Scientific Reports, 2021, 11, 2084.	3.3	106
9	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore $\text{Nd}_2\text{O}_7$ Physical Review Letters, 2015, 115, 056402.	3.3	106
10	High transport current superconductivity in powder-in-tube Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> tapes at 27 T. Superconductor Science and Technology, 2018, 31, 015017.	3.5	76
11	Large transport critical currents of powder-in-tube Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> /Ag superconducting wires and tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 183-186.	1.2	72
12	Magnetic Field Induced Sign Reversal of the Anomalous Hall Effect in a Pyrochlore Ferromagnet Nd <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> : Evidence for a Spin Chirality Mechanism. Physical Review Letters, 2003, 90, 257202.	7.8	71
13	11 T liquid helium-free superconducting magnet. Cryogenics, 1996, 36, 1019-1025.	1.7	64
14	Noncontact measurement of thermal conductivity of liquid silicon in a static magnetic field. Applied Physics Letters, 2007, 90, 094102.	3.3	64
15	High critical current density and low anisotropy in textured Sr <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> tapes for high field applications. Scientific Reports, 2012, 2, 998.	3.3	64
16	Hot pressing to enhance the transport J <sub>c</sub> of Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. Scientific Reports, 2014, 4, 6944.	3.3	64
17	Angular dependence of the upper critical field and the critical current density for Y <sub>1</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. Journal of Applied Physics, 1991, 69, 1543-1546.	2.5	61
18	X-ray diffraction study of the structural phase transition of Ni <sub>2</sub> MnGa alloys in high magnetic fields. Solid State Communications, 2000, 113, 671-676.	1.9	61

#	ARTICLE	IF	CITATIONS
19	Containerless Melting of Glass by Magnetic Levitation Method. Japanese Journal of Applied Physics, 2000, 39, L324-L326.	1.5	61
20	Improvements of fabrication processes and enhancement of critical current densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> HIP wires and tapes. Superconductor Science and Technology, 2018, 31, 055016.	3.5	59
21	New 25 T Cryogen-Free Superconducting Magnet Project at Tohoku University. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	58
22	The influence of the geometric characteristics of nanorods on the flux pinning in high-performance BaMO <sub>3</sub> -doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films (M = Hf, Sn). Superconductor Science and Technology, 2014, 27, 065001.	3.5	57
23	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
24	15 T Cryocooled Nb <sub>3</sub> Sn Superconducting Magnet with a 52 mm Room Temperature Bore. Japanese Journal of Applied Physics, 1998, 37, L1148-L1150.	1.5	54
25	Characteristics of REBCO Coated Conductors for 25 T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	53
26	Development of High Field Heat-Treatment Equipment and Relevant Applications. Japanese Journal of Applied Physics, 1997, 36, L673-L675.	1.5	52
27	Critical current properties in HTS tapes. Physica C: Superconductivity and Its Applications, 2003, 392-396, 1053-1062.	1.2	52
28	Superconducting Properties of 100-m Class Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> Tape and Pancake Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	52
29	Cu-NMR studies of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4-y</sub> . Physica C: Superconductivity and Its Applications, 1989, 160, 8-16.	1.2	48
30	J <sub>c</sub> enhancement of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films on polycrystalline silver substrates by metalorganic chemical vapor deposition in high magnetic fields. Applied Physics Letters, 2000, 77, 3633-3635.	3.3	48
31	Enhancement of critical current densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> wires and tapes using HIP technique. Superconductor Science and Technology, 2016, 29, 115002.	3.5	48
32	The effect of ZrSi <sub>2</sub> and SiC doping on the microstructure and J <sub>c</sub> properties of PIT processed MgB <sub>2</sub> tapes. Superconductor Science and Technology, 2006, 19, 133-137.	3.5	46
33	Flux-Pinning Properties of BaHfO <sub>3</sub> -Doped EuBCO-Coated Conductors Fabricated by Hot-Wall PLD. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	46
34	Highly strengthened multifilamentary (Nb,Ti) <sub>3</sub> Sn wires stabilized with CuNb composite. IEEE Transactions on Magnetics, 1994, 30, 1871-1874.	2.1	45
35	High-performance irreversibility field and flux pinning force density in BaHfO <sub>3</sub> -doped GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> tape prepared by pulsed laser deposition. Applied Physics Express, 2015, 8, 023101.	2.4	45
36	Improvement in <i>J<sub>c</sub></i> performance below liquid nitrogen temperature for SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconducting films with BaHfO <sub>3</sub> nano-rods controlled by low-temperature growth. APL Materials, 2016, 4, .	5.1	44

#	ARTICLE	IF	CITATIONS
37	Noncontact modulated laser calorimetry in a dc magnetic field for stable and supercooled liquid silicon. <i>Measurement Science and Technology</i> , 2010, 21, 025901.	2.6	42
38	Liquid helium-free superconducting magnets and their applications. <i>Cryogenics</i> , 1994, 34, 639-642.	1.7	41
39	Improvement of mechanical and superconducting properties in CuNb/(Nb,Ti) <sub>3</sub> Sn wires by applying bending strain at room temperature. <i>Superconductor Science and Technology</i> , 2003, 16, 733-738.	3.5	41
40	Development of modulated laser calorimetry using a solid platinum sphere as a reference. <i>Measurement Science and Technology</i> , 2007, 18, 2059-2066.	2.6	41
41	Grain boundary segregation in a bronze-route Nb <sub>3</sub> Sn superconducting wire studied by atom probe tomography. <i>Superconductor Science and Technology</i> , 2013, 26, 055008.	3.5	41
42	Strongly enhanced current densities in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> + Sn superconducting tapes. <i>Scientific Reports</i> , 2014, 4, 4465.	3.3	40
43	Magnetic levitation experiments in Tohoku University. <i>Physica B: Condensed Matter</i> , 1998, 256-258, 618-620.	2.7	39
44	Effects of drawing and high-pressure sintering on the superconducting properties of (Ba,K)Fe <sub>2</sub> As <sub>2</sub> powder-in-tube wires. <i>Superconductor Science and Technology</i> , 2015, 28, 125014.	3.5	38
45	High critical current density in textured Ba-122/Ag tapes fabricated by a scalable rolling process. <i>Scripta Materialia</i> , 2015, 99, 33-36.	5.2	38
46	Nb <sub>3</sub> Sn multifilamentary wires with CuNb reinforcing stabilizer. <i>IEEE Transactions on Applied Superconductivity</i> , 1993, 3, 1006-1009.	1.7	37
47	Angular dependence of critical current properties in YBCO coated tape under high magnetic field up to 18 T. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 378-381, 1113-1117.	1.2	37
48	Transport Characteristics of CVD-YBCO Coated Conductor under Hoop Stress. <i>IEEE Transactions on Applied Superconductivity</i> , 2008, 18, 1131-1134.	1.7	37
49	BMO-Doped REBCO-Coated Conductors for Uniform In-Field $I_{c}$ by Hot-Wall PLD Process Using IBAD Template. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	37
50	Effect of high magnetic field on the two-step martensitic-phase transition in Ni <sub>2</sub> MnGa. <i>Applied Physics Letters</i> , 2000, 76, 37-39.	3.3	36
51	Room and low temperature direct three-dimensional-strain measurements by neutron diffraction on as-reacted and prebent CuNb <sub>3</sub> Sn wire. <i>Journal of Applied Physics</i> , 2007, 101, 103913.	2.5	36
52	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , 2018, 9, 408.	12.8	36
53	Magnetic levitation experiments in Tohoku University. <i>Physica B: Condensed Matter</i> , 2001, 294-295, 729-735.	2.7	35
54	Noncontact modulated laser calorimetry of liquid silicon in a static magnetic field. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	35

#	ARTICLE	IF	CITATIONS
55	Anisotropic properties of the anomalous second peak in the magnetization curves and the irreversibility field of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> (6.6 ≤ y ≤ 6.9) single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 251, 255-262.	1.2	34
56	Development of High Strength Pancake Coil With Stress Controlling Structure by REBCO Coated Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 4601204-4601204.	1.7	34
57	Enhancement of critical current densities by high-pressure sintering in (Sr,K)Fe <sub>2</sub> As <sub>2</sub> PIT wires. <i>Superconductor Science and Technology</i> , 2014, 27, 095002.	3.5	34
58	Review on Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O whiskers. <i>Superconductor Science and Technology</i> , 2006, 19, R81-R99.	3.5	33
59	Current Transport Properties of 200 A-200 m-Class IBAD YBCO Coated Conductor Over Wide Range of Magnetic Field and Temperature. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3207-3210.	1.7	32
60	Critical current density of MgB <sub>2</sub> thin film with pinning centres introduced by deposition in oxygen atmosphere. <i>Superconductor Science and Technology</i> , 2005, 18, 1460-1463.	3.5	31
61	(Nb,Ti)/ <sub>3</sub> /Sn superconducting wire with CuNb reinforcing stabilizer. <i>IEEE Transactions on Applied Superconductivity</i> , 2002, 12, 1067-1070.	1.7	30
62	Performance of a Cryogen-Free 30 T-Class Hybrid Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2006, 16, 934-939.	1.7	30
63	Characteristics of high-performance BaHfO <sub>3</sub> -doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconducting films fabricated with a seed layer and low-temperature growth. <i>Superconductor Science and Technology</i> , 2015, 28, 065013.	3.5	30
64	Transport and magnetic properties of La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , 1990, 165-166, 1185-1186.	2.7	29
65	The effect of high strength static magnetic fields and ionizing radiation on gene expression and DNA damage in <i>Caenorhabditis elegans</i> . <i>Bioelectromagnetics</i> , 2008, 29, 605-614.	1.6	29
66	Insulating phase of a two-dimensional electron gas in Mg <sub>x</sub> Zn <sub>1-x</sub> O heterostructures below $\frac{1}{2}$ . <i>Superconductor Science and Technology</i> , 2011, 24, 095002.	3.2	29
67	ae Beautirulac™ unconventional synthesis and processing technologies of superconductors and some other materials. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 013001.	6.1	29
68	Flux pinning properties of correlated pinning at low temperatures in ErBCO films with inclined columnar defects. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	29
69	Enhanced Critical Current Density of MgB <sub>2</sub> Superconductor Synthesized in High Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L493-L496.	1.5	28
70	Flux Pinning Properties at Low Temperatures in $\text{BaHfO}_3$ -Doped $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 8001104-8001104.	1.7	28
71	Approaches in controllable generation of artificial pinning center in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -coated conductor for high-flux pinning. <i>Superconductor Science and Technology</i> , 2017, 30, 104002.	3.5	28
72	Crystal growth of ammonium chloride in magnetic levitation conditions. <i>Journal of Crystal Growth</i> , 2000, 209, 1013-1017.	1.5	27

#	ARTICLE	IF	CITATIONS
73	Cryogen-Free Superconducting and Hybrid Magnets. Journal of Low Temperature Physics, 2003, 133, 17-30.	1.4	27
74	Cryogen-free hybrid magnet for magnetic levitation. Physica C: Superconductivity and Its Applications, 2003, 386, 485-489.	1.2	27
75	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
76	Critical current density and microstructure of iron sheathed multifilamentary Sr <sub>1-x</sub> KxFe <sub>2</sub> As <sub>2</sub> /Ag composite conductors. Journal of Applied Physics, 2015, 118, .	2.5	27
77	Crossover from intrinsic to extrinsic pinning for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. Cryogenics, 1999, 39, 569-577.	1.7	26
78	Estimation of E <sub>c</sub> 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
79	c-axis correlated pinning behavior near the irreversibility fields. Applied Physics Letters, 2007, 90, 122501.	3.3	26
80	Spin-wave resonance in ferromagnetic coupled Co/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1997, 176, 127-133.	2.3	25
81	Crystal growth and materials processing in the magnetic levitation condition. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 2090-2093.	2.3	25
82	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
83	Large irreversibility field in nanoscale C-doped MgB <sub>2</sub> /Fe tape conductors. Superconductor Science and Technology, 2007, 20, L5-L8.	3.5	25
84	Irreversibility fields and critical current densities in strongly pinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films with BaSnO <sub>3</sub> nanorods: The influence of segmented BaSnO <sub>3</sub> nanorods. Journal of Applied Physics, 2014, 116, .	2.5	25
85	Isotropic enhancement in the critical current density of YBCO thin films incorporating nanoscale Y <sub>2</sub> BaCuO <sub>5</sub> inclusions. Journal of Applied Physics, 2017, 122, .	2.5	25
86	Control of Thermal Convection in Water by Strong Gradient Magnetic Fields. Japanese Journal of Applied Physics, 2003, 42, L715-L717.	1.5	24
87	Development of High-Strength $\text{Nb}_3\text{Sn}$ Conductor. IEEE Transactions on Applied Superconductivity, 2004, 14, 1004-1007.	1.7	24
88	18.1%T cryocooled superconducting magnet with a Bi <sub>2</sub> 223 high- insert. Fusion Engineering and Design, 2006, 81, 2425-2432.	1.9	24
89	Flux pinning properties and microstructures of a SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> film with high number density of BaHfO <sub>3</sub> nanorods deposited by using low-temperature growth technique. Japanese Journal of Applied Physics, 2014, 53, 090304.	1.5	24
90	Development of Nb-Rod-Method Cu-Nb Reinforced Nb <sub>3</sub> Sn 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

#	ARTICLE	IF	CITATIONS
91	High-performance Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes with grain texture engineered via a scalable fabrication. <i>Science China Materials</i> , 2021, 64, 2530-2540.	6.3	24
92	Robust REBCO Insert Coil for Upgrade of 25 T Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.7	24
93	Doping with a special carbohydrate, C <sub>9</sub> H <sub>11</sub> NO, to improve the <i>c</i> -axis properties of MgB <sub>2</sub> tapes. <i>Superconductor Science and Technology</i> , 2010, 23, 025024.	3.5	23
94	Enhancement of In-Field Current Transport Properties in GdBCO Coated Conductors by $\text{BaHfO}_3$ Doping. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 8002304-8002304.	1.7	23
95	Mechanical and superconducting properties of Nb <sub>3</sub> Sn wires with Nb-rod-processed CuNb reinforcement. <i>Superconductor Science and Technology</i> , 2013, 26, 094002.	3.5	23
96	Vortex pinning and dynamics in high performance Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconductor. <i>Journal of Applied Physics</i> , 2016, 119, 143906.	2.5	23
97	Strong flux pinning at 4.2 K in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> coated conductors with BaHfO <sub>3</sub> nanorods controlled by low growth temperature. <i>Superconductor Science and Technology</i> , 2017, 30, 084009.	3.5	23
98	Prebending effects in bronze route Nb <sub>3</sub> Sn wires. <i>Superconductor Science and Technology</i> , 2005, 18, S313-S318.	3.5	22
99	Microstructure and transport critical current in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes prepared by cold pressing. <i>Superconductor Science and Technology</i> , 2013, 26, 075003.	3.5	22
100	Flux pinning landscape up to 25 T in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with BaHfO <sub>3</sub> nanorods fabricated by low-temperature growth technique. <i>Superconductor Science and Technology</i> , 2017, 30, 104004.	3.5	22
101	Transport current density at temperatures up to 25 K of Cu/Ag composite sheathed 122-type tapes and wires. <i>Superconductor Science and Technology</i> , 2017, 30, 115007.	3.5	22
102	Fabrication and characterization of CaKFe <sub>4</sub> As <sub>4</sub> round wires sintered at high pressure. <i>Applied Physics Express</i> , 2018, 11, 123101.	2.4	22
103	New Metalorganic Chemical Vapor Deposition Process in a High Magnetic Field for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Japanese Journal of Applied Physics</i> , 2000, 39, L726-L729.	1.5	21
104	Large $T_c$ and $B_{c2}$ and $I_{c0}$ Enhancement Effect Due to the Prebending Treatment for Bronze Route Nb <sub>3</sub> Sn Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 3564-3567.	1.7	21
105	Improved transport critical current in Ag and Pb co-doped Ba <sub>x</sub> K <sub>1-x</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. <i>Superconductor Science and Technology</i> , 2012, 25, 035020.	3.5	21
106	Prebending Effect for Mechanical and Superconducting Properties of Nb-Rod-Processed Cu $\hat{=}$ Nb Internal-Reinforced $\text{Nb}_3\text{Sn}$ Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2014, 24, 1-4.	1.7	21
107	Tailoring the vortex pinning strength of YBCO thin films by systematic incorporation of hybrid artificial pinning centers. <i>Superconductor Science and Technology</i> , 2015, 28, 114004.	3.5	21
108	Pin potential effect on vortex pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\hat{=}</math></sub> films containing nanorods: Pin size effect and mixed pinning. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	21

#	ARTICLE	IF	CITATIONS
109	Fabrication of small superconducting coils using $(\text{Ba,A})\text{Fe}_{2}\text{As}_{2}$ (A: Na, K) round wires with large critical current densities. Superconductor Science and Technology, 2021, 34, 105008.	3.5	21
110	Residual strain estimation in multifilamentary Nb <sub>3</sub> Sn wires with CuNb reinforcement. IEEE Transactions on Applied Superconductivity, 1995, 5, 1905-1908.	1.7	20
111	Thermal stability of oxide superconductor at various temperatures. IEEE Transactions on Applied Superconductivity, 2002, 12, 1155-1158.	1.7	20
112	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
113	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
114	Flux pinning properties of TFA-MOD (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> tapes with BaZrO <sub>3</sub> nanoparticles. Superconductor Science and Technology, 2010, 23, 014006.	3.5	20
115	Enhancement of critical current density in $(\text{Ba,Na})\text{Fe}_{2}\text{As}_{2}$ round wires using high-pressure sintering. Superconductor Science and Technology, 2020, 33, 065001.	3.5	20
116	Glass spheres produced by magnetic levitation method. Journal of Non-Crystalline Solids, 2001, 293-295, 624-629.	3.1	19
117	Influence of a magnetic field on melt-growth process of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . Journal of Crystal Growth, 2001, 226, 83-87.	1.5	19
118	Observation of growth-mode change under a magnetic field in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . Physical Review B, 2002, 65, .	3.2	19
119	Neutron Diffraction Study on Prebending Effects for Bronze Route $\text{Nb}_3\text{Sn}$ Wires Without Reinforcement. IEEE Transactions on Applied Superconductivity, 2006, 16, 1228-1231.	1.7	19
120	Improved critical current densities in MgB <sub>2</sub> tapes with ZrB <sub>2</sub> doping. Applied Physics Letters, 2006, 89, 132510.	3.3	19
121	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
122	Anisotropy of the Critical Current Density and Intrinsic Pinning Behaviors of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> Coated Conductors. Applied Physics Express, 2011, 4, 013101.	2.4	19
123	New Fabrication Process of Cu–Nb Composite for Internal Reinforcement of Nb <sub>3</sub> Sn Wires. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2099-2101.	1.8	19
124	Magnetostriction enhancement by high magnetic field annealing in cast Fe <sub>81</sub> Ga <sub>19</sub> alloy. Journal of Magnetism and Magnetic Materials, 2017, 442, 128-135.	2.3	19
125	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
126	Surface morphology and growth mechanism of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films by chemical vapor deposition in a magnetic field. Journal of Crystal Growth, 2001, 233, 483-489.	1.5	18



#	ARTICLE	IF	CITATIONS
127	Enhancement of Critical Current Densities by the Prebending Strain at Room Temperature for Nb <sub>3</sub> Sn Wires. Japanese Journal of Applied Physics, 2003, 42, L1142-L1144.	1.5	18
128	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
129	Superconducting properties of ErBCO films with BaMO <sub>3</sub> nanorods (M=Zr and Sn) by pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2008, 468, 1522-1526.	1.2	18
130	$C = \frac{63}{65}$	1.2	18
131	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
132	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
133	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
134	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
135	Transport properties of multifilament MgB <sub>2</sub> long wires and coils prepared by an internal Mg diffusion process. Superconductor Science and Technology, 2017, 30, 064003.	3.5	18
136	A record-high trapped field of 5.6 T in the stacking of MgB <sub>2</sub> /TiB <sub>2</sub> composite bulks prepared by an in-situ hot isostatic pressing method. Superconductor Science and Technology, 2020, 33, 125004.	3.5	18
137	Noncontact Modulated Laser Calorimetry for Liquid Austenitic Stainless Steel in dc Magnetic Field. ISIJ International, 2009, 49, 1436-1442.	1.4	18
138	Enhancement of Upper Critical Field and Critical Temperature by Prebending Process for Practical Nb <sub>3</sub> Sn Wires. Japanese Journal of Applied Physics, 2004, 43, L709-L711.	1.5	17
139	Bose glass state in bulk(Nd,Eu,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> with a high irreversibility field. Physical Review B, 2004, 69, .	3.2	17
140	Magnetic orientation of paraffin in a magnetic levitation furnace. Physica B: Condensed Matter, 2004, 346-347, 277-281.	2.7	17
141	Electron backscatter diffraction study of Nb <sub>3</sub> Sn superconducting multifilamentary wire. Scripta Materialia, 2010, 62, 59-62.	5.2	17
142	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
143	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
144	Strain-controlled critical temperature in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -coated conductors. Scientific Reports, 2015, 5, 11156.	3.3	17

#	ARTICLE	IF	CITATIONS
145	Strengthening Effect of "Yoroi-Coil Structure" Against Electromagnetic Force. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	17
146	Delocalization of vortex in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> superconducting films with BaHfO <sub>3</sub> nano-rods. Journal of Applied Physics, 2016, 120, .	2.5	17
147	Performance of an HTS Persistent Current System for REBCO Pancake Coil. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	17
148	Magnetic field effects on synthesis process of high-Tc superconductors. Current Applied Physics, 2003, 3, 391-395.	2.4	16
149	Limiting current-carrying capacity of Ag-sheathed Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> conductors: linear approximation. Superconductor Science and Technology, 2004, 17, 1242-1246.	3.5	16
150	Improvement of $J_c$ by Loading and Unloading Bending Strain for High Strength Nb <sub>3</sub> Sn Wires. IEEE Transactions on Applied Superconductivity, 2004, 14, 983-986.	1.7	16
151	Improved properties of epitaxial YNi <sub>x</sub> Mn <sub>1-x</sub> O <sub>3</sub> films by annealing under high magnetic fields. Applied Physics Letters, 2006, 89, 152505.	3.3	16
152	Effects of Sn-doping on Jc-B 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
153	Doping effects of Nd <sub>2</sub> O <sub>3</sub> on the superconducting properties of powder-in-tube MgB <sub>2</sub> tapes. Superconductor Science and Technology, 2011, 24, 055016.	3.5	16
154	Effect of high-energy ball milling time on superconducting properties of MgB <sub>2</sub> with low purity boron powder. Superconductor Science and Technology, 2012, 25, 035018.	3.5	16
155	Combined effect of Sn addition and post-rolling sintering on the superconducting properties of SmFeAsO <sub>1-x</sub> F <sub>x</sub> tapes fabricated by an ex-situ powder-in-tube process. Journal of Applied Physics, 2013, 113, 123902.	2.5	16
156	Transport critical current density of high-strength Sr <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> /Ag/Monel composite conductors. Superconductor Science and Technology, 2017, 30, 075010.	3.5	16
157	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
158	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
159	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	1.7	16
160	Some superconducting characteristics of Nb <sub>3</sub> /Al composite wires prepared by rapid-quenching process. IEEE Transactions on Applied Superconductivity, 1997, 7, 1572-1575.	1.7	15
161	Melt textured process for YBCO in high magnetic fields. IEEE Transactions on Applied Superconductivity, 1999, 9, 2014-2017.	1.7	15
162	Normal zone propagation and quench characteristics of Nb <sub>3</sub> /Sn wires with jelly-roll and in-situ processed CuNb reinforcements. IEEE Transactions on Applied Superconductivity, 2001, 11, 3627-3630.	1.7	15

#	ARTICLE	IF	CITATIONS
163	Effects of repeated bending load at room temperature for composite Nb <sub>3</sub> Sn wires. Superconductor Science and Technology, 2003, 16, 1059-1063.	3.5	15
164	Experimental investigation of giant magnetocrystalline anisotropy of UGe <sub>2</sub> . Physica Scripta, 2007, 75, 546-550.	2.5	15
165	Effects of growth temperature for superconducting properties and microstructures of PLD-ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> film with BaNb <sub>2</sub> O <sub>6</sub> . Physica C: Superconductivity and Its Applications, 2008, 468, 1854-1857.	1.2	15
166	Case Study of a 20 T- $\phi$ 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
167	Design of a 30 T Superconducting Magnet Using a Coated Conductor Insert. IEEE Transactions on Applied Superconductivity, 2009, 19, 1617-1620.	1.7	15
168	Large transport $J_c$ in Sn-added SmFeAsO <sub>1-x</sub> F <sub>x</sub> tapes prepared by an ex situ PIT method. Superconductor Science and Technology, 2013, 26, 075017.	3.5	15
169	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
170	Enhancement of transport critical current density of SmFeAsO <sub>1-x</sub> F <sub>x</sub> tapes fabricated by an ex-situ powder-in-tube method with a Sn-presintering process. Applied Physics Letters, 2014, 104, .	3.3	15
171	Upgraded Cryogen-Free 20 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	15
172	Effect of BaHfO <sub>3</sub> introduction on the transport current at the grain boundaries in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films. Applied Physics Express, 2015, 8, 033101.	2.4	15
173	Uniform transport performance of a 100 m-class multifilament MgB <sub>2</sub> wire fabricated by an internal Mg diffusion process. Superconductor Science and Technology, 2016, 29, 065003.	3.5	15
174	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
175	Angular behaviour of critical current density in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> thin films with crossed columnar defects. Superconductor Science and Technology, 2016, 29, 065023.	3.5	15
176	Performance of a 14-T CuNb/Nb <sub>3</sub> Sn Rutherford coil with a 300 mm wide cold bore. Superconductor Science and Technology, 2016, 29, 084004.	3.5	15
177	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
178	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
179	Magnetocapacitance effect and magnetostriction by the field-induced spin-crossover in [MnIII(taa)]. AIP Advances, 2019, 9, .	1.3	15
180	Field Stability Analysis of 25 T Cryogen-Free Superconducting Magnet and Upgrade Plans for 30 T System at HFLSM, IMR, Tohoku University. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	15

#	ARTICLE	IF	CITATIONS
181	Cryocooler Cooled Superconducting Magnets and Their Applications. , 1998, , 291-297.		15
182	Magnetic-field-induced topological phase transition in Fe-doped $S_{e/mn}^3$ heterostructures. Physical Review Materials, 2020, 4, .	2.4	15
183	Magnetic Instability in High-Jc Y1Ba2Cu3O7 Prepared by Quench-Melt-Growth Process. Japanese Journal of Applied Physics, 1991, 30, L1638-L1640.	1.5	14
184	The Anisotropy of Transport Critical Current Densities in Tl2Ba2Ca2Cu3Ox Thin Films under Magnetic Fields up to 20 T. Japanese Journal of Applied Physics, 1992, 31, L1041-L1043.	1.5	14
185	Application of the prebending strain effect on CuNb/Nb3Sn superconducting coils fabricated by a react-and-wind method. Superconductor Science and Technology, 2005, 18, S261-S265.	3.5	14
186	Materials processing in magnetic levitation furnaces. Science and Technology of Advanced Materials, 2006, 7, 346-349.	6.1	14
187	High critical current density under magnetic fields in as-grown MgB2 thin films deposited by molecular-beam epitaxy. Superconductor Science and Technology, 2007, 20, L1-L4.	3.5	14
188	Cryogen-Free 23 T Superconducting Magnet with a 7.5 T YBa2Cu3O7 Insert Coil. Applied Physics Express, 2009, 2, 113001.	2.4	14
189	Effect of processing temperature on the superconducting properties of acetone doped MgB2 tapes. Physica C: Superconductivity and Its Applications, 2009, 469, 23-26.	1.2	14
190	Effects of BaMO3 (M = Zr, Sn) Nanorods on Critical Temperature of ErBa2Cu3Ox Films. Applied Physics Express, 0, 2, 073001.	2.4	14
191	Simultaneous introduction of scattering and pinning in organic rare-earth salt doped MgB2 tapes. Superconductor Science and Technology, 2010, 23, 045024.	3.5	14
192	Characteristic Strain Response of $I_{m c}$ in SmBCO Coated Conductor Tapes Under Magnetic Field at 77 K. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600404-6600404.	1.7	14
193	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
194	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
195	High-Field Magnetization Measurements of Fe2MnSi. Journal of the Physical Society of Japan, 2013, 82, 044802.	1.6	14
196	Vortex pinning at low temperature under high magnetic field in SmBa2Cu3Ox superconducting films with high number density and small size of BaHfO3 nano-rods. Superconductor Science and Technology, 2015, 28, 114006.	3.5	14
197	Tailoring the critical current properties in Cu-sheathed Sr1-xKxFe2As2 superconducting tapes. Superconductor Science and Technology, 2016, 29, 095006.	3.5	14
198	X-ray Diffraction Investigation in High Fields at Low Temperature for Nd0.5Sr0.5MnO3. , 1998, , 747-752.		14

#	ARTICLE	IF	CITATIONS
199	Developments of $(\text{Ba},\text{Na})\text{FeAs}_2$ and $\text{CaKFeAs}_4$ HIP round wires. Superconductor Science and Technology, 2020, 33, 104001.	3.5	14
200	Insert model coil wound by $\text{Al}_2\text{O}_3$ -Cu strengthened $\text{Nb}_3\text{Sn}$ wire. IEEE Transactions on Applied Superconductivity, 1997, 7, 427-430.	1.7	13
201	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
202	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
203	Design and Test Results of 18.1 T Cryocooled Superconducting Magnet With Bi2223 Insert. IEEE Transactions on Applied Superconductivity, 2007, 17, 1422-1425.	1.7	13
204	In-Field Current Transport Properties of 600 A-Class $\text{GdBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Coated Conductor Utilizing IBAD Template. IEEE Transactions on Applied Superconductivity, 2011, 21, 3206-3209.	1.7	13
205	Flux Pinning Properties and Microstructures of Multilayered Films Consisting of $\text{Sm}_{1.04}\text{Ba}_{1.96}\text{Cu}_3\text{O}_y$ Layers and $\text{BaSnO}_3$ -Doped $\text{Sm}_{1.04}\text{Ba}_{1.96}\text{Cu}_3\text{O}_y$ Layers. Japanese Journal of Applied Physics, 2013, 52, 010201.	1.5	13
206	Effects of three different homemade nanocarbons doping on the superconducting properties of $\text{MgB}_2$ tapes. Physica C: Superconductivity and Its Applications, 2015, 508, 49-55.	1.2	13
207	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
208	Effects of core density and impurities on the critical current density of $\text{CaKFeAs}_4$ superconducting tapes. Superconductor Science and Technology, 2019, 32, 105014.	3.5	13
209	Development of a High Current Density Distributed Tin Method $\text{Nb}_3\text{Sn}$ Wire. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	13
210	Electric Quadrupolar Contributions in the Magnetic Phases of $\text{UNi}_4\text{B}$ . Physical Review Letters, 2021, 126, 157201.	7.8	13
211	Thermal Stability of $\text{Ag/Bi-2212}$ Tape at Cryocooled Condition.. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 18 BT / Ov 0.1	0.1	18
212	Preparation of YBCO films by chemical vapor deposition in a magnetic field. Physica B: Condensed Matter, 2001, 294-295, 482-485.	2.7	12
213	Advances in the First Cryogen-Free Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 388-392.	1.7	12
214	Application of elevated magnetic fields during growth of $\text{BiSrCaCuO}$ 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
215	Residual strain measurement using neutron diffraction for practical $\text{Nb}_3\text{Sn}$ wires under a tensile load. Superconductor Science and Technology, 2010, 23, 025034.	3.5	12
216	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

#	ARTICLE	IF	CITATIONS
217	Hot Spot Behavior of Y123 Coated Conductors. IEEE Transactions on Applied Superconductivity, 2012, 22, 6601004-6601004.	1.7	12
218	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
219	Improved $J_c$ properties of $MgB_2$ multifilamentary wires and tapes. Superconductor Science and Technology, 2012, 25, 125001.	3.5	12
220	Irreversibility Fields and Critical Current Densities in Strongly Pinned $YBa_2Cu_3O_{7-x}$ Films With Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	12
221	AC loss evaluation of an HTS insert for high field magnet cooled by cryocoolers. Cryogenics, 2016, 80, 215-220.	1.7	12
222	Anomalous anisotropy of critical currents in $(Sr, K)FeAs_2$ tapes. Superconductor Science and Technology, 2017, 30, 035018.	3.5	12
223	Development and application of 2.5 GPa/25 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
224	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
225	Flux jumps in the magnetization of QMG processed $Y_1Ba_2Cu_3O_7$ . Cryogenics, 1992, 32, 959-963.	1.7	11
226	Transport critical current density of melt-processed (QMG) $YBa_2Cu_3O_x$ bulk superconductors. Cryogenics, 1993, 33, 506-509.	1.7	11
227	Effects of iodine intercalation on the superconducting properties of the $Bi_2Sr_{2-x}La_xCuO_z$ compound. Physica C: Superconductivity and Its Applications, 1993, 215, 402-406.	1.2	11
228	Alignment and Orientation of Diamagnetic Materials under Magnetic Levitation Condition. Japanese Journal of Applied Physics, 2001, 40, L1336-L1339.	1.5	11
229	The spin chirality induced anomalous Hall effect in pyrochlore ferromagnets. Journal of Physics Condensed Matter, 2004, 16, S599-S606.	1.8	11
230	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
231	Effect of Prebending Strain on $CuNb/Nb_3Sn$ Superconducting Coils Using a React and Wind Method. IEEE Transactions on Applied Superconductivity, 2006, 16, 1237-1240.	1.7	11
232	Performance of as-reacted and multiple bent ( $\epsilon$ -pre-bent <sup>TM</sup> ) practical $Nb_3Sn$ bronze route wires with different architectures. Superconductor Science and Technology, 2007, 20, 273-280.	3.5	11
233	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
234	Strain Gauge Method for Evaluating a Three-Dimensional Residual Strain State in $\{m Nb\}_3\{m Sn\}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1420-1423.	1.7	11

#	ARTICLE	IF	CITATIONS
235	Three-Dimensional Strain Model on the Superconducting Properties Under the Strain for $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2010, 20, 1424-1427.	1.7	11
236	Enhanced properties of MgB <sub>2</sub> tapes by yttrium acetate doping. Superconductor Science and Technology, 2011, 24, 075002.	3.5	11
237	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
238	Construction of a 25-T cryogen-free superconducting magnet. Journal of Physics: Conference Series, 2014, 568, 032019.	0.4	11
239	Strongly enhanced irreversibility field and flux pinning force density in $\text{SmBa}_2\text{Cu}_3\text{O}_{7-y}$ -coated conductors with well-aligned $\text{BaHfO}_3$ nanorods. Applied Physics Express, 2017, 10, 103101.	2.4	11
240	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> tape. Applied Physics Express, 2018, 11, 063101.	2.4	11
241	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
242	Enhancing Transport Performance in 7-filamentary Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> Wires and Tapes via Hot Isostatic Pressing. Physica C: Superconductivity and Its Applications, 2021, 585, 1353870.	1.2	11
243	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
244	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
245	Dimensional Crossover Effect in $J_c$ Characteristics of Chemical Vapor Deposition Processed YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Films. Japanese Journal of Applied Physics, 1992, 31, L1532-L1535.	1.5	10
246	Magnetic Field Effects on the Current Oscillations in Anodic Zinc Dissolution. Chemistry Letters, 1996, 25, 673-674.	1.3	10
247	Transport current density up to 10 T at 77 K in filamentary YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> superconductor. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2287-2288.	1.2	10
248	Influence of d-Wave Symmetry on Irreversibility Line and Critical Current Densities. Japanese Journal of Applied Physics, 2001, 40, L1022-L1025.	1.5	10
249	Thermal stability of oxide superconductors in flux flow state. IEEE Transactions on Applied Superconductivity, 2003, 13, 1576-1579.	1.7	10
250	High Magnetic Field Properties of Critical Current Density in $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ Coated Conductor Fabricated by Improved TFA-MOD Process. IEEE Transactions on Applied Superconductivity, 2005, 15, 2574-2577.	1.7	10
251	Application of prebending effect to high strength Nb <sub>3</sub> Sn strands. Fusion Engineering and Design, 2006, 81, 2473-2478.	1.9	10
252	Growth of superconducting MgB <sub>2</sub> films by pulsed-laser deposition using a Nd:YAG laser. Superconductor Science and Technology, 2006, 19, 242-246.	3.5	10

#	ARTICLE	IF	CITATIONS
253	Current-carrying capacity dependence of composite Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> superconductors on the liquid coolant conditions. Superconductor Science and Technology, 2006, 19, 703-710.	3.5	10
254	Sub- and overcritical stable states of composite high-T <sub>c</sub> superconductors with different E(J) dependences and their unavoidable overheating. Journal of Applied Physics, 2006, 100, 063905.	2.5	10
255	Effect of Nano-C Doping on the Critical Current Density and Flux Pinning of MgB <sub>2</sub> Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2915-2918.	1.7	10
256	Hollow carbon spheres as an efficient dopant for enhancing the critical current density of MgB <sub>2</sub> -based tapes. Superconductor Science and Technology, 2008, 21, 105020.	3.5	10
257	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
258	Compact Design of a 30 T Superconducting Magnet Incorporating YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -Coated Conductor Tapes and Pre-reacted Nb <sub>3</sub> Sn Strand Cables. Applied Physics Express, 0, 1, 101703.	2.4	10
259	Phthalocyanine doping to improve critical current densities in MgB <sub>2</sub> tapes. Superconductor Science and Technology, 2009, 22, 045019.	3.5	10
260	Significant improvement in critical current densities of C-doped MgB <sub>2</sub> tapes made by high-energy ball milling. Superconductor Science and Technology, 2012, 25, 075010.	3.5	10
261	Significantly Improved Multiferric Properties of BiFeO <sub>3</sub> /Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> Bilayer Films by Magnetic Field Annealing. Applied Physics Express, 2012, 5, 041802.	2.4	10
262	Variation of c-axis correlation on vortex pinning by ab-plane non-superconducting layers in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. Journal of Applied Physics, 2013, 114, 073903.	2.5	10
263	Improved Transport J <sub>c</sub> in MgB <sub>2</sub> Tapes by Graphene Doping. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2699-2705.	1.8	10
264	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
265	Influence of crystalline boron powders on superconducting properties of C-doped internal Mg diffusion processed MgB <sub>2</sub> wires. Superconductor Science and Technology, 2015, 28, 105013.	3.5	10
266	Effects of rolling deformation processes on the properties of Ag-sheathed Sr <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. Physica C: Superconductivity and Its Applications, 2016, 525-526, 94-99.	1.2	10
267	Miniaturization of BaHfO <sub>3</sub> nanoparticles in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -coated conductors using a two-step heating process in the TFA-MOD method. Superconductor Science and Technology, 2017, 30, 025022.	3.5	10
268	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
269	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co <sub>2</sub> MnSi under high magnetic fields. Physica B: Condensed Matter, 2018, 536, 310-313.	2.7	10
270	Mechanical Properties of BaHfO <sub>3</sub> -Doped EuBCO Coated Conductors Fabricated by Hot-Wall PLD on IBAD Template. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	10



#	ARTICLE	IF	CITATIONS
271	Effect of Simultaneous Addition of 1D and 3D Artificial Pinning Centers in Hybrid YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Multilayers. Science of Advanced Materials, 2017, 9, 1042-1050.	0.7	10
272	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
273	Development of a 40 T compact hybrid magnet. IEEE Transactions on Magnetics, 1996, 32, 2470-2473.	2.1	9
274	Magnetisation and instability in melt-textured YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> at low temperature and high fields up to 23 T. Physica C: Superconductivity and Its Applications, 1997, 274, 33-38.	1.2	9
275	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
276	Development of a CuNb reinforced and stabilized Nb <sub>3</sub> /Sn coil for a cryocooled superconducting magnet system. IEEE Transactions on Applied Superconductivity, 2001, 11, 3623-3626.	1.7	9
277	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
278	Construction of the cryogen-free 23 T hybrid magnet. IEEE Transactions on Applied Superconductivity, 2002, 12, 678-681.	1.7	9
279	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
280	Relationship between architecture, filament breakage and critical current decay in Nb <sub>3</sub> Sn composite wires repeatedly in-plane bent at room temperature. Superconductor Science and Technology, 2006, 19, 323-332.	3.5	9
281	The Prebending Strain Effect on Nb <sub>3</sub> Sn Superconducting Cabling Conductors. IEEE Transactions on Applied Superconductivity, 2008, 18, 1018-1021.	1.7	9
282	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
283	Effects of tin-compounds addition on J <sub>c</sub> and microstructure for YBCO films. Physica C: Superconductivity and Its Applications, 2010, 470, 1246-1248.	1.2	9
284	Influence of acetone doping on the J <sub>c</sub> anisotropy of MgB <sub>2</sub> /Fe tapes. Physica C: Superconductivity and Its Applications, 2010, 470, 1435-1437.	1.2	9
285	Hoop Stress Test of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>m</sub> Coated Conductor. IEEE Transactions on Applied Superconductivity, 2011, 21, 3094-3097.	1.7	9
286	Tensile strain dependence of critical current of RHQ-Nb <sub>3</sub> Al wires. Cryogenics, 2012, 52, 805-809.	1.7	9
287	Rutherford flat cable composed of CuNb-reinforced Nb <sub>3</sub> Sn strands. AIP Conference Proceedings, 2014, , .	0.4	9
288	BaMO <sub>3</sub> (M=Zr, Hf, Sn) material dependence of T <sub>c</sub> reduction in BaMO <sub>3</sub> -doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films. Journal of Physics: Conference Series, 2014, 507, 022043.	0.4	9

#	ARTICLE	IF	CITATIONS
289	Transport Properties of CuNb Reinforced $\text{Nb}_3\text{Sn}$ Rutherford Coils in High Fields. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9
290	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
291	Superconducting Properties in $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Films With High Density of $\text{BaHfO}_3$ Nanorods Fabricated With a Seed Layer. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	9
292	Microstructure and superconducting properties of nanocarbon-doped internal Mg diffusion-processed $\text{MgB}_2$ wires fabricated using different boron powders. Superconductor Science and Technology, 2016, 29, 045009.	3.5	9
293	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
294	Demonstration of Excellent $\text{J}_c$ Performance in $(\text{AE}, \text{Na})\text{FeAs}_2$ ( $\text{AE}$ : Sr, Ba) PIT Wires. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	9
295	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	3.2	9
296	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
297	Field Dependence of $J_c$ for F-Doped Hg1223 Filament. Japanese Journal of Applied Physics, 1996, 35, L1404-L1406.	1.5	8
298	Stability of $\text{Nb}_3\text{Sn}$ wires with CuNb reinforcing stabilizer on cryocooled superconducting magnet. IEEE Transactions on Applied Superconductivity, 2000, 10, 1235-1238.	1.7	8
299	Effect of magnetic field on growth of $\text{YBa}_2\text{Cu}_3\text{O}_7$ films on $\text{MgO}$ substrates by metalorganic chemical vapor deposition. Physica C: Superconductivity and Its Applications, 2001, 353, 283-288.	1.2	8
300	Critical current properties in YBCO coated IBAD tapes. Physica C: Superconductivity and Its Applications, 2002, 372-376, 794-797.	1.2	8
301	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
302	Research and Development for Upgrading a Cryogen-Free 18 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 3900304-3900304.	1.7	8
303	Effects of magnetic annealing on structure and multiferroic properties of pure and dysprosium substituted $\text{BiFeO}_3$ . Journal of Magnetism and Magnetic Materials, 2012, 324, 2205-2210.	2.3	8
304	Quantitative strain measurement in $\text{Nb}_3\text{Sn}$ wire and cable conductors using high-energy x-ray and neutron beams. Superconductor Science and Technology, 2013, 26, 073001.	3.5	8
305	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
306	Systematic change of flux pinning in $(\text{Dy}, \text{RE})_{123}$ and $(\text{Y}, \text{RE})_{123}$ melt-solidified bulks with unit cell orthorhombicity. Superconductor Science and Technology, 2015, 28, 015014.	3.5	8

#	ARTICLE	IF	CITATIONS
307	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
308	Critical Current Characterization Under Pure Bending Strains of Prebent Cu-Nb/Nb <sub>3</sub> Sn Strands for Practical React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	8
309	Enhanced transport critical current density in Sn-added SmFeAsO <sub>1-x</sub> F <sub>x</sub> tapes prepared by the PIT method. Superconductor Science and Technology, 2017, 30, 065004.	3.5	8
310	Strong-c-axis correlated pinning and hybrid pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films containing BaHfO <sub>3</sub> nanorods and stacking faults. Superconductor Science and Technology, 2017, 30, 074009.	3.5	8
311	Influences of Tape Thickness on the Properties of Ag-Sheathed Sr <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Superconducting Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	8
312	Development of High-Performance Cu-Nb/Nb <sub>3</sub> Sn Wires for Various High Field Magnets. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	8
313	C-axis correlated pinning mechanism in vortex liquid and solid phases for Sm123 film with well-aligned BaHfO <sub>3</sub> nanorods. Superconductor Science and Technology, 2017, 30, 114005.	3.5	8
314	Microstructure, pinning properties, and aging of CSD-grown SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films with and without BaHfO <sub>3</sub> nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	3.5	8
315	Flux creep in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2353-2354.	1.2	7
316	High field properties of irreversibility field and pinning force for YBa <sub>2</sub> /Cu <sub>3</sub> O <sub>7</sub> film. IEEE Transactions on Magnetics, 1996, 32, 2776-2779.	2.1	7
317	Sweep rate dependence of magnetic hysteresis loops and peak effect in high- superconductors. Superconductor Science and Technology, 1999, 12, 55-61.	3.5	7
318	Liquid helium-free 15 T superconducting magnet at 4 K. Superconductor Science and Technology, 2000, 13, 12-17.	3.5	7
319	Evaporation of Silver during Chemical Vapor Deposition Process for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> and its Effect on Microstructure. Japanese Journal of Applied Physics, 2001, 40, 6339-6343.	1.5	7
320	NMR study on the quantum spin ladder NH <sub>4</sub> CuCl <sub>3</sub> . Physica B: Condensed Matter, 2003, 329-333, 977-978.	2.7	7
321	J <sub>c</sub> properties of Bi <sub>2212</sub> tape in the practical current region. Superconductor Science and Technology, 2004, 17, S568-S571.	3.5	7
322	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
323	High magnetic field transport properties of (Nd,Eu,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> bulk. Superconductor Science and Technology, 2004, 17, S6-S9.	3.5	7
324	Magnetic levitation experiments in Sendai. Journal of Physics: Conference Series, 2006, 51, 431-438.	0.4	7

#	ARTICLE	IF	CITATIONS
325	A New Model of Two Directional $J_{\text{c}}$ Distributions for $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ Materials. IEEE Transactions on Applied Superconductivity, 2006, 16, 1019-1022.	1.7	7
326	Enhancement of $J_{\text{c}}$ in $\text{MgB}_2$ thin films on Si substrate with pinning centers introduced by deposition in $\text{O}_2$ atmosphere. Journal of Applied Physics, 2007, 102, 076114.	2.5	7
327	Discovery of $\text{Li}_2(\text{Pd,Pt})\text{B}_3$ superconductors. Physica C: Superconductivity and Its Applications, 2007, 460-462, 91-94.	1.2	7
328	Influence of Deviatoric Strain for Superconducting Parameters of $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2008, 18, 1047-1050.	1.7	7
329	Co-Doping Effect of Nanoscale C and SiC on $\text{MgB}_2$ Superconductor. IEEE Transactions on Applied Superconductivity, 2009, 19, 2694-2697.	1.7	7
330	Coupled Analysis Method for High-Field Magnet Coil Using Coated Conductor Based on $J_{\text{c}}$ Characteristics as a Function of Temperature, Magnetic Field Vector and Mechanical Strain. IEEE Transactions on Applied Superconductivity, 2009, 19, 1621-1625.	1.7	7
331	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
332	Cooperative Behavior of the Random and Correlated Pinning in $\text{Er}_{123}$ Films With Columnar Defects. IEEE Transactions on Applied Superconductivity, 2011, 21, 3192-3195.	1.7	7
333	Unit Coil Development for Y-SMES. IEEE Transactions on Applied Superconductivity, 2011, 21, 1348-1353.	1.7	7
334	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
335	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
336	Properties of Multifilamentary $\text{MgB}_2$ Wires Fabricated by Internal Magnesium Diffusion Using Amorphous and Crystalline Boron Powders. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	7
337	Temperature dependence of critical currents in REBCO thin films with artificial pinning centers. Superconductor Science and Technology, 2017, 30, 104006.	3.5	7
338	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
339	Epitaxial contact Andreev reflection spectroscopy of $\text{NbN}/\text{Co}_2\text{FeSi}$ layered devices. Applied Physics Letters, 2018, 112, .	3.3	7
340	Nb-Rod-Method $\text{Cu}/\text{Nb}/\text{Nb}_3\text{Sn}$ Wires for Practical React-and-Wind Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	7
341	Experimental Investigation of $\text{Bi}-2223/\text{Ag}$ Superconducting Tape Joints. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-3.	1.7	7
342	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

#	ARTICLE	IF	CITATIONS
343	Effects of Carbon Doping on Trapped Magnetic Field of MgB <sub>2</sub> Bulk Prepared by <i>in-situ</i> Hot Isostatic Pressing Method. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	7
344	Low-temperature formation of YBaCuO superconducting films by thermal CVD and their J <sub>c</sub> in high magnetic fields. Physica C: Superconductivity and Its Applications, 1991, 190, 79-80.	1.2	6
345	Critical current research activities for high-T <sub>c</sub> superconductors at High Field Laboratory for Superconducting Materials, Tohoku University. Synthetic Metals, 1995, 71, 1585-1586.	3.9	6
346	Two-dimensional quench simulation of composite CuNb/Nb <sub>3</sub> Sn conductors. Cryogenics, 2000, 40, 393-401.	1.7	6
347	Low temperature and magnetic field X-ray diffraction study for Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Physica B: Condensed Matter, 2000, 284-288, 1682-1683.	2.7	6
348	High magnetic field researches in Tohoku University. Current Applied Physics, 2003, 3, 367-376.	2.4	6
349	First performance test of the cryogenfree hybrid magnet. IEEE Transactions on Applied Superconductivity, 2003, 13, 1632-1635.	1.7	6
350	Temperature and Magnetic Field Dependence of the Coexistent Phases in La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> + $\delta$ (x=0.47, 0.49). Journal of the Physical Society of Japan, 2003, 72, 817-821.	1.6	6
351	Current-carrying properties in a low resistivity state for Ag-sheathed Bi <sub>2</sub> Sr <sub>2</sub> CuCu <sub>2</sub> O <sub>8</sub> tape. Superconductor Science and Technology, 2004, 17, S533-S537.	3.5	6
352	Measurement of critical current for bulk superconductors by transport method. Physica C: Superconductivity and Its Applications, 2005, 426-431, 649-653.	1.2	6
353	Mechanical characteristics of Bi-2223 tape with a low matrix ratio. Superconductor Science and Technology, 2005, 18, 47-50.	3.5	6
354	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
355	Application of Prebending Effect to Triplet Cables Using Bronze-Route $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Strands. IEEE Transactions on Applied Superconductivity, 2007, 17, 2595-2598.	1.7	6
356	J <sub>c</sub> and Bi properties of Sm <sub>1+x</sub> Ba <sub>2-2x</sub> Cu <sub>3</sub> O <sub>y</sub> films with nano-particles. Physica C: Superconductivity and Its Applications, 2007, 463-465, 669-673.	1.2	6
357	Characteristics of ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films with BaWO <sub>4</sub> doping. Physica C: Superconductivity and Its Applications, 2007, 463-465, 909-913.	1.2	6
358	Electrical transport properties of Y123 films with 2-D apcs. Physica C: Superconductivity and Its Applications, 2008, 468, 1851-1853.	1.2	6
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	Cryogen-Free 23 T Superconducting Magnet Employing an $\text{YBa}_2\text{Cu}_3\text{O}_7$ Coated Conductor Insert. Journal of Superconductivity and Novel Magnetism, 2011, 24, 993-997.	1.8	6

#	ARTICLE	IF	CITATIONS
361	Axial and lateral lattice strain states under a tensile load in as-reacted and prebent CuNb/Nb <sub>3</sub> Sn wires using neutron diffraction. Journal of Applied Physics, 2012, 111, .	2.5	6
362	Repairing and upgrading of the HTS insert in the 18T cryogen-free superconducting magnet. AIP Conference Proceedings, 2014, . .	0.4	6
363	Strain and magnetic field response of Ic in reinforced GdBCO coated conductor tapes at 77 K. , 2014, . .		6
364	Transport Critical Current Density of $\text{Sr}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2/\text{Ag}$ Superconducting Tapes Processed by Flat Rolling and Uniaxial Pressing. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	6
365	High Critical Current Density in Cu-Sheathed SmFeAsO <sub>1-x</sub> F <sub>x</sub> Superconducting Tapes by Low-Temperature Hot-Pressing. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	6
366	Enhancement of the critical current density in Cu/Ag composite sheathed (Ba, <sub>2</sub> )Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (K)Fe<sub>096003.</sub>	1.6	6
367	Superconducting Joint of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Coated Conductors by Crystallization of an Additionally Deposited Precursor Layer. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	6
368	Microstructures of superconducting joint between GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> <i>-coated conductors via additionally deposited precursor films. Japanese Journal of Applied Physics, 2019, 58, 050913.	1.5	6
369	Fabrications and evaluations of critical current density of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> HIP round wires. Physica C: Superconductivity and Its Applications, 2020, 568, 1353580.	1.2	6
370	Electromagnetic Characteristics Study of Two-Ply REBCO Tapes Pancake Coils. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	6
371	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
372	Crystallographic relationship between Y <sub>2</sub> Cu <sub>2</sub> O <sub>5</sub> 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
373	Relationship between strain effect and martensitic transformation in multifilamentary Nb <sub>3</sub> Sn wires. Journal of Applied Physics, 1994, 75, 7404-7407.	2.5	5
374	Magnetization measurement of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> in high magnetic fields up to 30T. Physica B: Condensed Matter, 1998, 246-247, 433-436.	2.7	5
375	Effect of Ag-doping on Texture Development of Bi <sub>2</sub> 212 Bulks in High Magnetic Field. Journal of Low Temperature Physics, 1999, 117, 771-775.	1.4	5
376	Cryocooled large bore superconducting magnet for a hybrid magnet system employing highly strengthened (Nb,Ti) <sub>3</sub> /Sn wires with CuNb stabilizer. IEEE Transactions on Applied Superconductivity, 1999, 9, 440-443.	1.7	5
377	Growth and superconducting properties of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films on silver substrates by MOCVD in magnetic fields. Physica C: Superconductivity and Its Applications, 2001, 357-360, 337-340.	1.2	5
378	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

#	ARTICLE	IF	CITATIONS
379	Cryogenfree superconducting magnets. Physica B: Condensed Matter, 2003, 329-333, 1487-1488.	2.7	5
380	Transport characteristics of a CuNb/Nb <sub>3</sub> Sn superconducting coil fabricated using a react and wind method. Superconductor Science and Technology, 2003, 16, 1082-1085.	3.5	5
381	Influence of columnar defects on pinning parameters in high-T <sub>c</sub> superconductors. Physica C: Superconductivity and Its Applications, 2004, 412-414, 511-514.	1.2	5
382	Mechanism of a High Irreversibility Field for (Nd, Eu, Gd)<math>\text{Ba}_2\text{Cu}_3\text{O}_{7-x}</math> Bulks. IEEE Transactions on Applied Superconductivity, 2005, 15, 3786-3789.	1.7	5
383	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
384	Superconducting properties of MgB <sub>2</sub> bulks processed in high magnetic fields. Physica C: Superconductivity and Its Applications, 2006, 445-448, 811-813.	1.2	5
385	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
386	Maximization of the critical current of practical Nb <sub>3</sub> Sn wires through complex mechanical treatments at room temperature. Superconductor Science and Technology, 2007, 20, 810-813.	3.5	5
387	NMR study of the vortex slush phase in organic superconductor (BEDT-TTF) <sub>2</sub> Cu(NCS) <sub>2</sub> . Physical Review B, 2007, 76, .	3.2	5
388	Bi Addition Effect on J <sub>c</sub> -B Performance of Powder-in-Tube Processed MgB <sub>2</sub> Tapes. IEEE Transactions on Applied Superconductivity, 2007, 17, 2925-2928.	1.7	5
389	Flux pinning properties in high magnetic field and low temperature of SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> thin films. Physica C: Superconductivity and Its Applications, 2007, 463-465, 639-643.	1.2	5
390	Effect of c-Axis-Correlated Disorders on the Vortex Diagram of the Pinning State. Applied Physics Express, 0, 1, 031703.	2.4	5
391	Difference Between BaSnO <sub>3</sub> and BaZrO <sub>3</sub> Nano-Rods for C-Axis-Correlated Pinning Properties in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . IEEE Transactions on Applied Superconductivity, 2009, 19, 3495-3498.	1.7	5
392	Flux pinning properties in BaMO <sub>3</sub> (M=Zr,Sn) nanorod-introduced ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> films. Journal of Applied Physics, 2009, 106, .	2.5	5
393	Flux pinning properties of nano-rods comprised of BaMO <sub>3</sub> (M=Zr, Sn) in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> thin films prepared by PLD method. Physica C: Superconductivity and Its Applications, 2009, 469, 1396-1399.	1.2	5
394	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
395	Doping of Tin-oxides pinning centers into YBCO films by MOD method. Journal of Physics: Conference Series, 2010, 234, 022039.	0.4	5
396	Evaluation of current transport properties of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> coated conductors over a wide range of temperature and external magnetic fields. Journal of Physics: Conference Series, 2010, 234, 022009.	0.4	5

#	ARTICLE	IF	CITATIONS
397	Matching field effects inc-axis in-plane aligned a-axis-oriented YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with two-dimensional artificial pinning centers induced by multilayered nano-structures. Superconductor Science and Technology, 2010, 23, 045023.	3.5	5
398	Enhanced superconducting properties of MgB <sub>2</sub> tapes achieved by treating B powder with glycolic acid. Superconductor Science and Technology, 2011, 24, 105005.	3.5	5
399	Internal strain measurement for Nb <sub>3</sub> Sn wires using synchrotron radiation. Superconductor Science and Technology, 2012, 25, 054004.	3.5	5
400	Grain Structure and Irreversibility Line of a Bronze Route CuNb Reinforced Nb <sub>3</sub> Sn Multifilamentary Wire. Physics Procedia, 2012, 36, 1504-1509.	1.2	5
401	Control of residual strain and twin boundary by annealing under strain. Superconductor Science and Technology, 2013, 26, 065013.	3.5	5
402	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
403	Internal Strain Measurement for a $\text{Nb}_3\text{Sn}$ Rutherford Cable Using Neutron Diffraction. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
404	Magnetic Field of BG-VG Transition Depending on the Nanorods Shape in $\text{BaHfO}_3$ -Doped $\text{SmBa}_2\text{Cu}_3\text{O}_y$ Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
405	Macroscopic Strain Response of $\text{Nb}_3\text{Sn}$ Under Magnetic Fields in Differently Stabilized REBCO CC Tapes. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	5
406	Minimization of BaHfO <sub>3</sub> Flux Pinning Centers in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Films by Metal Organic Deposition Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3.	1.7	5
407	Testing of stacked pancake coils for a cryogen-free 25 T superconducting magnet. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	5
408	Fabrication and Characterization of Epitaxial Films of Superconductor NbN and Highly Spin-Polarized Heusler Alloy Co <sub>2</sub> Fe <sub>0.4</sub> Mn <sub>0.6</sub> Si. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	5
409	Large and field-insensitive critical current densities in (Sr,Nb)Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. Journal of Physics: Conference Series, 2017, 871, 012062.	0.4	5
410	Fabrication of (Ba,Nb)Fe <sub>2</sub> As <sub>2</sub> round wires using HIP process. Journal of Physics: Conference Series, 2019, 1293, 012043.	0.4	5
411	Performance of Polyvinyl Formal Insulated Cu <sup>+</sup> /Nb <sub>3</sub> Sn Wires for React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	5
412	Evaluation of Various Nb-Rod-Method Cu-Nb/Nb <sub>3</sub> Sn Wires Designed for Practical React-and-Wind Coils. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
413	Mechanical Strength Evaluation of the Internal Matrix Reinforced Nb <sub>3</sub> Sn Multifilamentary Wires Using Cu <sup>+</sup> Sn <sup>+</sup> in Ternary Alloy Matrix. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	5
414	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



#	ARTICLE	IF	CITATIONS
415	Fabrication and Characterization of (Ba,Nb)Fe <sub>2</sub> As <sub>2</sub> Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
416	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
417	Simultaneous achievement of high $J_c$ and suppressed $J_c$ anisotropy by hybrid pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> three-phase-nanocomposite film. Superconductor Science and Technology, 2020, 33, 105003.	3.5	5
418	Effect of Prebending Strain on the Superconducting Characteristics of CuNb/Nb <sub>3</sub> Sn Superconducting Wires. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2004, 39, 422-426.	0.1	5
419	Development of High Strength Nb <sub>3</sub> Sn Wire Bronze Processed Nb <sub>3</sub> Sn Wire Reinforced with Cu-NbTi Intermetallic Compound. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan) 11(1) 1-5. <a href="#">Tj ETQq1 1 0.784314 rgB5/Overlook</a>	1.7	5
420	Rectification at Various Temperatures in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Coated Conductors With PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Buffer Layers. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
421	Mechanical Properties of Four-Stacked Two Tape Bundled REBCO Pancake Coils. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
422	Superconductivity of Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>2-x</sub> Ln <sub>x</sub> CuO <sub>y</sub> (Ln=La,Nd) and valence analysis of Bi and Cu. Physica C: Superconductivity and Its Applications, 1991, 185-189, 683-684.	1.2	4
423	Angular dependence of critical current density of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> films in magnetic fields. Superconductor Science and Technology, 1991, 4, S328-S330.	3.5	4
424	Dimensional Crossover Effect of Pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Films. Japanese Journal of Applied Physics, 1993, 32, L1795-L1797.	1.5	4
425	Influence of the flux creep on the irreversibility line of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> (6.6% $\gamma$ 6.9) single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2785-2786.	1.2	4
426	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
427	Stability of bronze processed (Nb,Ti) <sub>3</sub> Sn superconducting wire reinforced and stabilized with CuNb in-situ composites. Cryogenics, 1996, 36, 225-228.	1.7	4
428	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
429	Effects of reheating after solution treatment and magnetic fields on $\epsilon$ 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
430	Investigation of phase transformations in Ni <sub>2</sub> MnGa using high magnetic field low-temperature X-ray diffraction system. Physica B: Condensed Matter, 2000, 284-288, 1333-1334.	2.7	4
431	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
432	Heat Transfer in Water Under Strong Gradient Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2004, 14, 1682-1684.	1.7	4

#	ARTICLE	IF	CITATIONS
433	E $\mu$ properties of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> thick films. Physica C: Superconductivity and Its Applications, 2004, 412-414, 1041-1044.	1.2	4
434	E $\mu$ properties and local distribution of practical Ag-sheathed Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> tapes. Superconductor Science and Technology, 2005, 18, S223-S226.	3.5	4
435	Cl-NMR study on field-induced magnetic order in quasi-one-dimensional antiferromagnet (CH <sub>3</sub> ) <sub>2</sub> CHNH <sub>3</sub> CuCl <sub>3</sub> . Journal of Physics: Conference Series, 2006, 51, 203-206.	0.4	4
436	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
437	Current-Carrying Capacity of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -Coated Conductors for a 30 T Superconducting Magnet. Applied Physics Express, 2008, 1, 081701.	2.4	4
438	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
439	Flux pinning properties of MgB <sub>2</sub> thin films on Ti buffered substrate prepared by molecular beam epitaxy. Physica C: Superconductivity and Its Applications, 2010, 470, 1461-1464.	1.2	4
440	Enhancement of Critical Current Density and Flux Pinning in Acetone and La <sub>2</sub> O <sub>3</sub> Codoped MgB <sub>2</sub> Tapes. Chinese Physics Letters, 2010, 27, 117401.	3.3	4
441	Three-Dimensional Strain Model for Various Kinds of Nb <sub>3</sub> Sn Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 2513-2516.	1.7	4
442	Non-contact measurement of diamagnetic susceptibility change by a magnetic levitation technique. Measurement Science and Technology, 2011, 22, 035703.	2.6	4
443	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
444	Transport property measurement of practical coated conductor with copper stabilizer. , 2012, , .		4
445	Prebending Effect on Three-Dimensional Strain in (CuNb)/((Nb), (Ti)) <sub>3</sub> Sn Wires Under a Tensile Load. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000204-6000204.	1.7	4
446	Improvement of J <sub>c</sub> for GdBCO Coated Conductors by Annealing Under Strain. IEEE Transactions on Applied Superconductivity, 2013, 23, 8000104-8000104.	1.7	4
447	Bismuth nano-particle dispersed organic composite for optical components. Proceedings of SPIE, 2013, , .	0.8	4
448	Improvement of critical current densities in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with BaHfO <sub>3</sub> nano-rods using low temperature growth technique. Journal of Physics: Conference Series, 2014, 507, 022021.	0.4	4
449	Enhancement of In-field J <sub>c</sub> in Gd <sub>1</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Coated Conductor by Using Highly Oriented IBAD Substrate. Physics Procedia, 2015, 67, 903-907.	1.2	4
450	Flux Pinning Properties of a SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Film Including High Number Density of BaHfO <sub>3</sub> Nano-rods on LaAlO <sub>3</sub> Substrate. Journal of Superconductivity and Novel Magnetism, 2015, 28, 367-369.	1.8	4

#	ARTICLE	IF	CITATIONS
451	Magnetic Field Quality Evaluation of a 20 T Cryogen-free Superconducting Magnet with a Bi2223 Insert. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	4
452	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
453	Improved Flux Pinning for High-Field Applications in BaHfO <sub>3</sub> -Doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -Coated Conductors With High Density of Random Pinning Centers Induced by BaHfO <sub>3</sub> Nanorods. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	4
454	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. Journal of Physics: Conference Series, 2018, 1054, 012045.	0.4	4
455	Longitudinal Magnetic Field Effects on (Y,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> Coated Conductor With BaHfO <sub>3</sub> Nanoparticles Fabricated by UTOC-MOD Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
456	Characterization of Electromechanical Properties in Differently Sheathed MgB <sub>2</sub> Wires Under Uniaxial Tension. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
457	Effect of C Doping Level and the Ratio of Mg to B on the MgB <sub>2</sub> Wires Fabricated by Internal Mg Diffusion Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
458	Effect of neutron irradiation on Nb <sub>3</sub> Sn wire. Superconductor Science and Technology, 2019, 32, 024004.	3.5	4
459	A possible explanation for double-peak structure in strain dependence of critical current density in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> coated conductors. Superconductor Science and Technology, 2020, 33, 094014.	3.5	4
460	Effects of High Magnetic Fields on Martensitic Transformation at Cryogenic Temperatures for Various Heat Treated Stainless Steels. , 1994, , 1207-1213.		4
461	Superconducting Properties in LTG-Sm <sub>1-x</sub> Ba <sub>2-x</sub> Cu <sub>3</sub> O <sub>y</sub> +Low-Tc Nanoparticle Films under Low Temperature and High Magnetic Field. TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq1 1 0.784314 rBT /Overlo		
462	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
463	Cu-NMR of the antiferromagnetic and superconducting Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4-y</sub> . Physica C: Superconductivity and Its Applications, 1989, 162-164, 181-182.	1.2	3
464	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
465	Ettingshausen and Nernst Effects of QMG-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> in Magnetic Fields up to 14 T. Japanese Journal of Applied Physics, 1996, 35, 82-89.	1.5	3
466	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
467	Current carrying properties of high-T <sub>c</sub> Bi <sub>2</sub> /Sr <sub>2</sub> /CaCu <sub>2</sub> /O <sub>8</sub> tapes in a large electromagnetic stress state. IEEE Transactions on Applied Superconductivity, 1997, 7, 1311-1314.	1.7	3
468	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

#	ARTICLE	IF	CITATIONS
469	Recent developments at the high-field laboratory of Tohoku University. Physica B: Condensed Matter, 1998, 246-247, 360-363.	2.7	3
470	Angular dependence of $J_c$ characteristics under high magnetic fields in YBCO thin films. Physica C: Superconductivity and Its Applications, 2001, 357-360, 273-276.	1.2	3
471	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
472	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
473	Large Random-Field Behavior above the Vacancy Percolation Concentration Threshold: Fe <sub>0.84</sub> Zn <sub>0.16</sub> F <sub>2</sub> . Journal of the Physical Society of Japan, 2002, 71, 411-413.	1.6	3
474	Cu-NMR Study on Field-Induced Phase Transitions in Quantum Spin Magnet NH <sub>4</sub> CuCl <sub>3</sub> . Progress of Theoretical Physics Supplement, 2005, 159, 235-240.	0.1	3
475	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
476	$J_c$ Enhancement Effect in Nb <sub>3</sub> Sn Coils Fabricated by the React-and-Wind Method. AIP Conference Proceedings, 2006, , .	0.4	3
477	Effects of c-axis correlated pinning in RE123 superconductors. Journal of Physics: Conference Series, 2006, 51, 271-274.	0.4	3
478	High-Field Magnetic Torque Measurement in the Spin Gap System (CH <sub>3</sub> ) <sub>2</sub> CHNH <sub>3</sub> CuCl <sub>3</sub> . Journal of the Physical Society of Japan, 2007, 76, 084708.	1.6	3
479	Flux pinning properties of REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> thin films with BaZrO <sub>3</sub> nano-rods. Physica C: Superconductivity and Its Applications, 2008, 468, 1635-1637.	1.2	3
480	Microstructural and Magnetic Characterization of $\text{CuNb}/\text{Nb}_3\text{Sn}$ Wires With Different Architectures. IEEE Transactions on Applied Superconductivity, 2008, 18, 1022-1025.	1.7	3
481	Design of a Resistive Insert for a 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2008, 18, 567-570.	1.7	3
482	Correlated Pinning Behavior in ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Films with Columnar Defects. Applied Physics Express, 2009, 2, 113002.	2.4	3
483	Enhancement of the High-Field $J_c$ properties of MgB <sub>2</sub> /Fe Tapes by Acetone Doping. Journal of Superconductivity and Novel Magnetism, 2009, 22, 671-676.	1.8	3
484	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
485	Fabrication and Properties of Aligned Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> Superconductors by High Magnetic Field Processing. Chinese Physics Letters, 2011, 28, 067402.	3.3	3
486	Stress/Strain Effects on Industrial Superconducting Composites. Materials Science Forum, 0, 681, 209-214.	0.3	3

#	ARTICLE	IF	CITATIONS
487	Concept of a Cryogenic System for a Cryogen-Free 25 T Superconducting Magnet. Physics Procedia, 2015, 67, 326-330.	1.2	3
488	Dependence of BaMO <sub>3</sub> (M=Zr, Sn, Hf) Materials on Lattice Stress and $\kappa$ in BaMO <sub>3</sub> -Doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Thin Films. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2015, 50, 224-231.	0.1	3
489	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
490	Effect of Applied Pure Bending Strain on Critical Current for CuNb/Nb <sub>3</sub> Sn Superconducting Wires. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	3
491	Transport Properties of CuNb/Nb <sub>3</sub> Sn Rutherford Coils With Various Diameters. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	3
492	Recent Progress of Iron-Based Superconducting Round Wires. Journal of Physics: Conference Series, 2019, 1293, 012042.	0.4	3
493	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
494	Single-domain formation of SrMnBi <sub>2</sub> films on polar LaAlO <sub>3</sub> substrate. AIP Advances, 2020, 10, 105216.	1.3	3
495	Quadrupolar susceptibility and magnetic phase diagram of PrNi <sub>2</sub> Cd <sub>20</sub> with non-Kramers doublet ground state. Philosophical Magazine, 2020, 100, 1268-1281.	1.6	3
496	Mechanical and critical current characteristics of high-strength (Bi,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (Pb) <sub>2</sub> Sr<sub>2</sub> strain. Superconductor Science and Technology, 2021, 34, 025017.	3.5	3
497	Overcoming optimization constraint for J <sub>c</sub> by hybrid pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films containing nanorods. Japanese Journal of Applied Physics, 2021, 60, 023001.	1.5	3
498	Strain and Superconducting Properties for R&W Reinforcing and Stabilizing Nb <sub>3</sub> Sn Coil under High Electromagnetic Force.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
499	A Superconducting Coil with High-strength CuNi-NbTi/Nb <sub>3</sub> Sn Wire Fabricated Using the React and Wind Technique Application for the Cryocooled Superconducting Magnet. TEION KOGAKU (Journal of) Tj ETQq1 1 @.784314 3gBT /Ov		
500	Flux Pinning Properties of REBCO coated conductors for High Field Magnets. Progress in Superconductivity and Cryogenics (PSAC), 2011, 13, 1-4.	0.3	3
501	APPLICATION OF MAGNETIC LEVITATION TO PROCESSING OF DIAMAGNETIC MATERIALS. , 2005, , ,		3
502	Flux Pinning Properties of Multilayered MgB <sub>2</sub> /Ni Thin Film Prepared by EBE Method. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 360-364.	0.1	3
503	Pinning analyses of a BaHfO <sub>3</sub> -containing GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	3.5	3
504	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

#	ARTICLE	IF	CITATIONS
505	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
506	E-J Characteristics and Distribution of Local Jc for Melt-Textured Grown Bulk YBa2Cu3O7 under High Magnetic Fields. Japanese Journal of Applied Physics, 2001, 40, L330-L333.	1.5	2
507	YBa2Cu3O7 films processed by CVD in high magnetic fields. Superconductor Science and Technology, 2002, 15, 411-415.	3.5	2
508	The intergranular and intragranular properties of Ag-clamped Bi-2212 thick films melt-solidified with and without Bi2Al4O9. Superconductor Science and Technology, 2002, 15, 67-71.	3.5	2
509	On the role of silver evaporation during YBa2Cu3O7 $\times$ film processing. Physica C: Superconductivity and Its Applications, 2002, 378-381, 102-106.	1.2	2
510	Fabrication of low cost YBCO coated conductors using Ag-clad Hastelloy substrates. Cryogenics, 2002, 42, 383-386.	1.7	2
511	The Two-Phase Coexistent Region in Nd0.5Sr0.5MnO3. Journal of the Physical Society of Japan, 2003, 72, 2837-2842.	1.6	2
512	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
513	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
514	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
515	NMR study on quantum spin magnet NH4CuCl3. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 906-907.	2.3	2
516	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
517	Effect of nano-C doping on their in-situ processed MgB2 tapes. Journal of Physics: Conference Series, 2006, 43, 99-102.	0.4	2
518	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
519	Transport Properties over Critical Currents for Ag-Sheathed Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Superconductors with Different E-J Dependence. Advances in Science and Technology, 2006, 47, 118-123.	0.2	2
520	Irreversibility Field and c-Axis Correlated Pinning in High-J <sub>c</sub> SmBCO Films. IEEE Transactions on Applied Superconductivity, 2007, 17, 3656-3659.	1.7	2
521	Microstructure and J <sub>c</sub> Characteristics of Er123 Films With Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2007, 17, 3688-3691.	1.7	2
522	High-Strength Nb <sub>3</sub> Sn Wire Development for Compact Superconducting Magnets. Materials Science Forum, 2007, 546-549, 1841-1848.	0.3	2

#	ARTICLE	IF	CITATIONS
523	Transport Properties of Bi2212 Round Wires Grown in High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2007, 17, 3106-3108.	1.7	2
524	Development of a pre-bent react-and-wind CuNb <sub>3</sub> Sn multilayer superconducting coil. Superconductor Science and Technology, 2008, 21, 054012.	3.5	2
525	Development of Pre-Bent High-Strength $\text{mNb}_{3}\text{mSn}$ Cable With Stainless-Steel Reinforcement Strands. IEEE Transactions on Applied Superconductivity, 2009, 19, 1112-1115.	1.7	2
526	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
527	Correlated pinning behavior in ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with BaZrO <sub>3</sub> nano-rods. Physica C: Superconductivity and Its Applications, 2009, 469, 1404-1409.	1.2	2
528	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
529	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
530	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
531	Angular dependence of residual strain in CuNb/(Nb, Ti) <sub>3</sub> Sn wires. Superconductor Science and Technology, 2010, 23, 105010.	3.5	2
532	Bitter Magnet Design for Magnetic Levitation Experiments. IEEE Transactions on Applied Superconductivity, 2010, 20, 656-659.	1.7	2
533	Grain Morphology for Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Tapes Heat-Treated in High Magnetic Fields. Advances in Science and Technology, 2010, 75, 187-191.	0.2	2
534	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
535	MgB <sub>2</sub> thin films with high J <sub>c</sub> fabricated on Al tape substrates by electron beam evaporation. Physica C: Superconductivity and Its Applications, 2012, 480, 108-110.	1.2	2
536	Superconducting Property of BaHfO <sub>3</sub> Doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Films Prepared by Alternating-targets Technique on IBAD-MgO. Physics Procedia, 2013, 45, 149-152.	1.2	2
537	High critical current density and its magnetic fields dependence in (Sm,Eu,Gd)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films by using multiple targets. Physica C: Superconductivity and Its Applications, 2013, 484, 130-133.	1.2	2
538	Development of High-strength Pancake-coil Structure: "Yoroi-coil" Overlock		
539	Current Transport Properties of TFA-MOD Processed Long-Length $\text{mY}_{1}\text{mGd}_{1}\text{mCu}_{3}\text{mO}_{7}\text{mBa}_{2}\text{mCu}_{3}\text{mO}_{y}$ Coated Conductor Doped With $\text{mBaZrO}_{3}$ Artificial Pinning Centers. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	2
540	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

#	ARTICLE	IF	CITATIONS
541	Effects of high magnetic field annealing on microstructure and multiferroic properties of Bi <sub>1-x</sub> LaxFeO <sub>3</sub> ceramics. <i>Ceramics International</i> , 2016, 42, 18785-18790.	4.8	2
542	Fabrication and superconducting properties of internal Mg diffusion processed MgB <sub>2</sub> wires using MgB <sub>4</sub> precursors. <i>Superconductor Science and Technology</i> , 2016, 29, 105019.	3.5	2
543	Improvement of a Large Bore Cryogen-Free Superconducting Magnet for a Hybrid Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.7	2
544	Ic Response with High Magnetic Field, Low Temperature, and Uniaxial Strain in REBCO Coated Conductor Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, , 1-1.	1.7	2
545	Study of Growth Process for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Coated Conductors With BaZrO <sub>3</sub> Flux Pinning Centers by Monitoring Electrical Conductivity. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.7	2
546	Influence of joint pressure on superconducting and mechanical properties for jointed GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> coated conductors via precursor films. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 050907.	1.5	2
547	Deposition-Temperature Dependence of Vortex Pinning Property in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> +BaHfO <sub>3</sub> Films. <i>Materials Transactions</i> , 2020, 61, 449-454.	1.2	2
548	Properties of seven-filament Cu/Ag-sheathed (Ba,K)Fe <sub>2</sub> As <sub>2</sub> tapes fabricated from round and square wires. <i>Rare Metals</i> , 2021, 40, 3651-3659.	7.1	2
549	Suppression of the critical current degradation under the compressive stress on the internal reinforcement bronze processed Nb <sub>3</sub> Sn wire using Cu-Sn-In ternary bronze alloy matrix. <i>Fusion Engineering and Design</i> , 2021, 168, 112365.	1.9	2
550	Development of a Large-bore Cryocooled Superconducting Magnet for Hybrid Magnets. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2006, 41, 310-315.	0.1	2
551	Development of Large Area and High-Strength CuAg Alloy Plates for High-Field Bitter Coils. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1999, 63, 1290-1294.	0.4	2
552	High-Field Critical Current Properties of (Bi, <sub>1-x</sub> Tj <sub>x</sub> )ETQqO <sub>0</sub> 0rgBT /Overlock 10 Tf 50 307 Td (Pb) <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
553	Enhancement of the Magnetoelectric Effect Using the Dynamic Jahn-Teller Effect in a Transition-Metal Complex. <i>Physical Review Letters</i> , 2022, 128, 117601.	7.8	2
554	Performance of Thin Cu-Nb/Nb <sub>3</sub> Sn Round Wires and Tapes Pre-Bent for R&W Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-6.	1.7	2
555	Angular dependence of the transport critical current density of CVD YBaCuO films. <i>AIP Conference Proceedings</i> , 1991, , .	0.4	1
556	Angular dependence of Jc and Bc2 in the CVD-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 2199-2200.	1.2	1
557	Magnetization hysteresis in high fields for quench-melt-growth processed Y1Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Superconductor Science and Technology</i> , 1992, 5, S288-S291.	3.5	1
558	Thermomagnetic effect of QMG-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> in magnetic fields up to 14T. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1853-1854.	2.7	1



#	ARTICLE	IF	CITATIONS
559	Thermal conductivity of QMG-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> in magnetic fields up to 14T. Physica B: Condensed Matter, 1994, 194-196, 2135-2136.	2.7	1
560	Structure and superconductivity of iodine-intercalated Bi <sub>2</sub> Sr <sub>4</sub> Cu <sub>2</sub> CO <sub>3</sub> O <sub>z</sub> . Physica C: Superconductivity and Its Applications, 1994, 233, 209-213.	1.2	1
561	Cryocooler-cooled high field superconducting magnet. European Physical Journal D, 1996, 46, 2745-2746.	0.4	1
562	Mechanical and electrical characteristics of a reinforced tape coil in large hoop stress. Superconductor Science and Technology, 1998, 11, 986-988.	3.5	1
563	Stability for Ag sheathed Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> tape coils under strong electromagnetic force state. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2597-2598.	1.2	1
564	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
565	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
566	Characteristics of Charging Effect in One-Dimensional Array of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\hat{I}$ Intrinsic Josephson Junctions. Japanese Journal of Applied Physics, 2005, 44, L766-L769.	1.5	1
567	Oxidized Hastelloy Cloth Insulation for a Wind-and-React Processed Ag/Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Superconducting Magnet. AIP Conference Proceedings, 2006, , .	0.4	1
568	Magnetic anisotropy study of UGe <sub>2</sub> in a static high magnetic field. Journal of Physics: Conference Series, 2006, 51, 255-258.	0.4	1
569	Containerless melting and crystallization of diamagnetic organic materials under magnetic levitation condition. Journal of Physics: Conference Series, 2006, 51, 450-453.	0.4	1
570	Three-Directional FEM Analyses of Pre-Bending Effects for $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Composite Wires. IEEE Transactions on Applied Superconductivity, 2007, 17, 2676-2679.	1.7	1
571	Steady and Unsteady Current Modes and Thermal Runaway Conditions of High- $\{m T\}_m \{m c\}$ Composite Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3133-3136.	1.7	1
572	Influence of intergrowth Bi <sub>2</sub> 223 phase on the E $\hat{c}$ properties of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O $\hat{r}$ whiskers. Physica C: Superconductivity and Its Applications, 2007, 460-462, 823-824.	1.2	1
573	Superconducting properties and microstructure of PLD-ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\hat{I}</math></sub> films with BaNb <sub>2</sub> O <sub>6</sub> . Journal of Physics: Conference Series, 2008, 97, 012143.	0.4	1
574	High-strength CuNb/Nb <sub>3</sub> Sn strand cables with residual strain controlled by the repeated bending treatment. Journal of Physics: Conference Series, 2008, 97, 012008.	0.4	1
575	Mechanical treatments at room temperature of Nb <sub>3</sub> Sn practical wires: pre-torsion for wires with a different architecture. Journal of Physics: Conference Series, 2008, 97, 012036.	0.4	1
576	Current Transport Mechanism and Control of the $n$ -Value for Ag/Bi <sub>2</sub> 212 Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2009, 19, 3071-3075.	1.7	1

#	ARTICLE	IF	CITATIONS
577	Two-dimensional flux pinning in multilayered MgB <sub>2</sub> /Ni thin films prepared by electron beam evaporation. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 1567-1570.	1.2	1
578	Vortex Behaviors Near Irreversibility Fields of <i>a</i> -Axis Oriented Y123 Films Inserted Pr123 Layers. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 3499-3502.	1.7	1
579	J <sub>c</sub> anisotropy for magnetic field angle in YBCO coated conductor on IBAD-MgO buffered metal tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 1384-1387.	1.2	1
580	Tohoku High Magnetic Field Research Activities Using Cryogen-Free Superconducting Magnets. <i>Journal of Low Temperature Physics</i> , 2010, 159, 370-373.	1.4	1
581	Influence of crossing angles of columnar defects on vortex glass transition in YBCO thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 1029-1032.	1.2	1
582	Thermal Stability Properties of $\{m \text{ YBa}_{2} \text{ Cu}_{3} \text{ O}_{7-x}\}$ Coated Conductor Tape Under the Cryocooling Condition. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2449-2452.	1.7	1
583	Effect of Zr addition and magnetic field process on the J <sub>c</sub> property of CVD-HoBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films. <i>Journal of Alloys and Compounds</i> , 2012, 527, 188-192.	5.5	1
584	Wide Variety of Experiments Using a Cryogen-Free 27.5 T Hybrid Magnet and a Cryogen-Free 18.1 T Superconducting Magnet. <i>Journal of Low Temperature Physics</i> , 2013, 170, 503-510.	1.4	1
585	Current Instability of High Temperature Superconducting Tapes in the AC Modes. <i>Journal of Physics: Conference Series</i> , 2014, 507, 022028.	0.4	1
586	The Effect of the Parameters of a Vibration-Based Impact Mode Piezoelectric Power Generator. <i>Shock and Vibration</i> , 2015, 2015, 1-9.	0.6	1
587	Study on Normal Zone Characteristics in a REBCO Insert Coil Induced by Quenches in an LTS Outsert Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.7	1
588	Optical measurement of anisotropic magnetic susceptibility for diamagnetic fine particles. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 015001.	1.5	1
589	Effect of Nanorod Alignment on Flux Pinning State in BaHfO <sub>3</sub> Doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	1
590	Effect of Co doping on the transport critical current density of rapidly heat-treated filamentary (Nd,Sm,Gd)-Ba-Cu-O superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2017, 539, 44-48.	1.2	1
591	Strain Characteristics of I <sub>c</sub> in Brass-Laminated GdBCO CC Tape Under Tension at Various Low Temperature and Magnetic Field Conditions. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.7	1
592	Influence of Bolt Positions and Electrode Structure in Yoroi-Coil Structure on Stress Distribution in an HTS Coil Winding. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.7	1
593	Enhancement of In-Field Critical Current Density of BaZrO <sub>3</sub> -Added (Y, Gd) BCO-Coated Conductors by Using a Multi-Coating TFA-MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.7	1
594	Superconductivity under uniaxial tensile strain on internal reinforced Nb <sub>3</sub> Sn multifilamentary wire using Cu-Sn-Zn ternary alloy matrix. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 502, 012175.	0.6	1

#	ARTICLE	IF	CITATIONS
595	Fabrication and Characterizations of KCa <sub>2</sub> Fe <sub>4</sub> As <sub>4</sub> F <sub>2</sub> Superconducting HIP Wires. Journal of Physics: Conference Series, 2020, 1590, 012026.	0.4	1
596	Fabrication of (Ba,Na)Fe <sub>2</sub> As <sub>2</sub> round wires and tapes using HIP process. Journal of Physics: Conference Series, 2020, 1590, 012027.	0.4	1
597	Electromechanical Properties Evaluation of Multifilamentary MgB <sub>2</sub> Wires With Different Reinforcements. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	1
598	Noncontact Laser Calorimetry of High Temperature Melts in a Static Magnetic Field. Advances in Materials Research, 2009, , 149-171.	0.2	1
599	Magnetization Properties for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Bulk Fabricated by Seed Process in High Magnetic Fields. , 1999, , 653-656.		1
600	Critical Current Properties and Scaling of Bi(2223)/Ag Multifilamentary Tapes at Liquid Nitrogen Temperatures. , 2000, , 670-672.		1
601	Current Leads Consisting of QMG-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . , 1995, , 851-854.		1
602	Hot pressing to enhance the transport J <sub>c</sub> of Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. , 0, .		1
603	High Magnetic Field Transport Properties of NEG123 and Y123 Bulk Materials. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 217 Td (S	0.1	1
604	Correlated Pinning Properties in RE123 Tapes with Nanorods. TEION KOGAKU (Journal of Cryogenics) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td (S	0.1	1
605	Deposition-Temperature Dependence of Vortex Pinning Property in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> +BaHfO <sub>3</sub> Film. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 320-326.	0.4	1
606	Cryogen-free superconducting magnet fabricated by a react-and-wind method employing Nb <sub>3</sub> Sn wires with CuNbTi reinforcement. , 2005, , 573-576.		1
607	Development of an 18 T Cryocooled High-T <sub>c</sub> Superconducting Magnet. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 217 Td (S	0.1	1
608	Superconducting Properties and Microstructures of BaHfO <sub>3</sub> -doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Films Fabricated using a Low-temperature Growth Technique. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td (S	0.1	1
609	Present status of the high mechanical strengthened Nb <sub>3</sub> Sn superconducting wires for fusion applications. Journal of Nuclear Materials, 2022, 567, 153808.	2.7	1
610	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
611	Morphology and relevant J <sub>c</sub> properties of CVD-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. Physica C: Superconductivity and Its Applications, 1994, 235-240, 3003-3004.	1.2	0
612	The field dependence of j <sub>c</sub> for the Y123 filament spun from various spinning dope. European Physical Journal D, 1996, 46, 1687-1688.	0.4	0

#	ARTICLE	IF	CITATIONS
613	Magnetization hysteresis of quench-melt-growth processed YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> in high fields up to 23 T. Physica C: Superconductivity and Its Applications, 1996, 262, 292-296.	1.2	0
614	Activities in High Field Laboratory for Superconducting Materials at Sendai. IEEE Transactions on Applied Superconductivity, 2000, 10, 1560-1563.	1.7	0
615	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
616	Coexistence of ferromagnetism and superconductivity in Cu-rich lanthanum Cu-oxides. European Physical Journal B, 2002, 25, 19-23.	1.5	0
617	High field and low temperature X-ray study on phase segregation for Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> powder and single crystal. Physica B: Condensed Matter, 2003, 329-333, 824-825.	2.7	0
618	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
619	Transport Properties for YBCO Films Prepared by In-field CVD Process. AIP Conference Proceedings, 2006, , .	0.4	0
620	63/65Cu-NMR study of the quantum spin system NH <sub>4</sub> CuCl <sub>3</sub> showing magnetization plateaus. Journal of Physics: Conference Series, 2006, 51, 103-106.	0.4	0
621	Effect of magnetic field on thermal convection of phosphate glass melts. Journal of Physics: Conference Series, 2006, 51, 462-465.	0.4	0
622	Magnetic field effect on the magnetic torque and the magnetostriction in (CH <sub>3</sub> ) <sub>2</sub> CHNH <sub>3</sub> CuCl <sub>3</sub> . Journal of Physics: Conference Series, 2006, 51, 187-190.	0.4	0
623	Behavior of $\{m \text{ Nb} \}_3 \{m \text{ Sn} \}$ Composite Wires: Multiple Room Temperature Bending Cycles. IEEE Transactions on Applied Superconductivity, 2007, 17, 2672-2675.	1.7	0
624	Authors' reply to "Comments on 'A New Model of Two Directional $J_c$ Distributions for Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Materials'". IEEE Transactions on Applied Superconductivity, 2007, 17, 3897-3897.	1.7	0
625	Ag-SHEATHED Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> SQUARE WIRE INSULATED WITH OXIDIZED HASTELLOY FIBER BRAID. AIP Conference Proceedings, 2008, , .	0.4	0
626	Doped MgB <sub>2</sub> prepared by field assisted sintering technique. Journal of Physics: Conference Series, 2008, 97, 012079.	0.4	0
627	A novel 2-dimensional artificial pinning center. Journal of Physics: Conference Series, 2008, 97, 012153.	0.4	0
628	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
629	Compact 20 T superconducting magnet for a 50 T-class hybrid magnet. , 2012, , .		0
630	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

#	ARTICLE	IF	CITATIONS
631	Strain measurements by neutron diffraction on Nb <sub>3</sub> Sn cable with stainless steel reinforcement strands. Superconductor Science and Technology, 2012, 25, 054001.	3.5	0
632	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
633	Limiting stable states of high-T <sub>c</sub> superconductors in the alternating current modes. European Physical Journal B, 2014, 87, 1.	1.5	0
634	Superconducting Properties of BaHfO <sub>3</sub> -doped Nd <sub>1-x</sub> Ba <sub>2-x</sub> Cu <sub>3</sub> O <sub>y</sub> Films Prepared by Alternating-targets Technique. Physics Procedia, 2014, 58, 154-157.	1.2	0
635	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
636	Thermal expansion and magnetostriction measurements of perovskite-type Co oxides Sr <sub>1-x</sub> Y <sub>x</sub> C <sub>0</sub> O <sub>3-δ</sub> in high magnetic fields. Journal of Physics: Conference Series, 2018, 969, 012109.	0.4	0
637	Fabrication Process and Pressure Dependence of Critical Current Density in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Superconducting HIP Wires. Journal of Physics: Conference Series, 2018, 1054, 012044.	0.4	0
638	Magnetoelastic Coupling in the Perovskite-type Co Oxides Sr <sub>1-x</sub> Y <sub>x</sub> CoO <sub>3-δ</sub> . Journal of the Physical Society of Japan, 2019, 88, 124706.	1.6	0
639	Development of Superconducting Coils using (Ba, Na)Fe <sub>2</sub> As <sub>2</sub> Round Wires with Large Critical Current. Journal of Physics: Conference Series, 2021, 1975, 012020.	0.4	0
640	Anisotropy of E-J Characteristics in YBCO Superconductors. , 2000, , 389-391.		0
641	Flux-Pinning Properties for CVD Processed YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Films. Advances in Materials Research, 2002, , 41-53.	0.2	0
642	Orientation Effect in Melting of Paraffin under the Magnetic Levitation Condition. Journal of the Magnetics Society of Japan, 2003, 27, 1125-1129.	0.4	0
643	Electrochemistry, 2005, 73, 440-445.	1.4	0
644	Transport Properties of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Materials with In-field Heat-treatment. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2008, 43, 387-393.	0.1	0
645	Electromagnetic Stress Properties of Gd <sub>123</sub> Monolayer Coils. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	0
646	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 0.0rgBT /Overlock 10		0
647	Sample Dependence of Dimensional Crossover Point of Pinning in CVD-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> Films. , 1994, , 515-518.		0
648	Phase Diagram in the Vortex State in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Single Crystals. , 1998, , 443-448.		0

#	ARTICLE	IF	CITATIONS
649	Superconducting properties and pinning mechanism of filamentary (Sm,Gd,Dy)-Ba-Cu-O doped with Co. <i>Physica C: Superconductivity and Its Applications</i> , 2022, 594, 1354020.	1.2	0
650	Performance Under Transverse Compressive Stress of Internal Matrix Reinforced Nb <sub>3</sub> Sn Multifilamentary Wires Using Various Ternary Bronze Alloys. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-4.	1.7	0
651	Finite Element Analysis of AC Losses in Pancake Coils Wound Using Two-Ply Bundle Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.7	0