Satoshi Awaji

List of Publications by Year
in descending order

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651 papers	8,778 citations	76196 40 h-index	118652 62 g-index
656 all docs	656 docs citations	656 times ranked	4180 citing authors

#	Article	IF	Citations
1	High-Field Critical Current Properties of (Bi,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (Pb)₂Sr₂Ca Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	2
2	AC Loss Measurements in an HTS Coil Wound Using Two-Ply Bundle Conductor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	3
3	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. Superconductor Science and Technology, 2022, 35, 02LT01.	1.8	9
4	Superconducting properties and pinning mechanism of filamentary (Sm,Gd,Dy)â€“Baâ€“Cuâ€“O doped with Co. Physica C: Superconductivity and Its Applications, 2022, 594, 1354020.	0.6	0
5	REBCO Coil With Robust Behavior Against Local Defects Wound Using Two-Tape Bundle. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	10
6	Enhancement of the Magnetoelectric Effect Using the Dynamic Jahn-Teller Effect in a Transition-Metal Complex. Physical Review Letters, 2022, 128, 117601.	2.9	2
7	Performance of Thin Cu-Nb/Nb₃Sn Round Wires and Tapes Pre-Bent for R&W Process. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	2
8	Rectification at Various Temperatures in YBa₂Cu₃O _y Coated Conductors With PrBa₂Cu₃O _y Buffer Layers. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
9	J_c Performance Under Transverse Compressive Stress of Internal Matrix Reinforced Nb₃Sn Multifilamentary Wires Using Various Ternary Bronze Alloys. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.1	0
10	Mechanical Properties of Four-Stacked Two Tape Bundled REBCO Pancake Coils. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
11	Finite Element Analysis of AC Losses in Pancake Coils Wound Using Two-Ply Bundle Conductor. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	0
12	Present status of the high mechanical strengthened Nb3Sn superconducting wires for fusion applications. Journal of Nuclear Materials, 2022, 567, 153808.	1.3	1
13	Microstructure, pinning properties, and aging of CSD-grown SmBa₂Cu₃O_{7â^'Î´} films with and without BaHfO₃ nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	1.8	8
14	Electromagnetic Characteristics Study of Two-Ply REBCO Tapes Pancake Coils. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	6
15	Development and large volume production of extremely high current density YBa2Cu3O7 superconducting wires for fusion. Scientific Reports, 2021, 11, 2084.	1.6	106
16	Mechanical and critical current characteristics of high-strength (Bi,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (Pb)₂Sr<s strain. Superconductor Science and Technology, 2021, 34, 025017.	1.8	3
17	Overcoming optimization constraint for J _c by hybrid pinning in YBa₂Cu₃O₇ films containing nanorods. Japanese Journal of Applied Physics, 2021, 60, 023001.	0.8	3
18	Electric Quadrupolar Contributions in the Magnetic Phases of UNi4B. Physical Review Letters, 2021, 126, 157201.	2.9	13

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19	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. Superconductor Science and Technology, 2021, 34, 065004.	1.8	6
20	Properties of seven-filament Cu/Ag-sheathed (Ba,K)Fe2As2 tapes fabricated from round and square wires. Rare Metals, 2021, 40, 3651-3659.	3.6	2
21	High-performance Ba1âˆ’xKxFe2As2 superconducting tapes with grain texture engineered via a scalable fabrication. Science China Materials, 2021, 64, 2530-2540.	3.5	24
22	Enhancing Transport Performance in 7-filamentary Ba0.6K0.4Fe2As2 Wires and Tapes via Hot Isostatic Pressing. Physica C: Superconductivity and Its Applications, 2021, 585, 1353870.	0.6	11
23	Development of Superconducting Coils using (Ba, Na)Fe2As2 Round Wires with Large Critical Current. Journal of Physics: Conference Series, 2021, 1975, 012020.	0.3	0
24	Suppression of the critical current degradation under the compressive stress on the internal reinforcement bronze processed Nb3Sn wire using Cu-Sn-In ternary bronze alloy matrix. Fusion Engineering and Design, 2021, 168, 112365.	1.0	2
25	In-Plane Domain Control of REBCO Coated Conductors by Annealing Under Bending Strain. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.1	5
26	Robust REBCO Insert Coil for Upgrade of 25 T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	24
27	Detection and Protection Against Quench/Local Thermal Runaway for a 30 T Cryogen-Free Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	11
28	Fabrication and Characterization of (Ba,Na)Fe2As2 Wires and Tapes. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	5
29	Hoop Stress Tests of an Epoxy-Impregnated REBCO Coil With Fluorine-Coated Polyimide Insulation. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	5
30	Development of High-Performance Cu-Nb/Nb₃Sn Wires for Various High Field Magnets. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	8
31	Fabrication of small superconducting coils using (Ba,A)Fe₂As₂ (A: Na, K) round wires with large critical current densities. Superconductor Science and Technology, 2021, 34, 105008.	1.8	21
32	Pinning analyses of a BaHfO₃-containing GdBa₂Cu₃O_{7â€Î´} thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	1.8	3
33	Development of a High Current Density Distributed Tin Method Nb₃Sn Wire. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	13
34	Fabrications and evaluations of critical current density of (Ba,Na)Fe2As2 HIP round wires. Physica C: Superconductivity and Its Applications, 2020, 568, 1353580.	0.6	6
35	Single-domain formation of SrMnBi2 films on polar LaAlO3 substrate. AIP Advances, 2020, 10, 105216.	0.6	3
36	Fabrication and Characterizations of KCa2Fe4As4F2 Superconducting HIP Wires. Journal of Physics: Conference Series, 2020, 1590, 012026.	0.3	1

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37	Fabrication of (Ba,Na)Fe2As2 round wires and tapes using HIP process. Journal of Physics: Conference Series, 2020, 1590, 012027.	0.3	1
38	Performance Evaluation of Practical REBCO Coated Conductor Tapes for Superconducting Wind Power Coils. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7
39	Evaluation of Various Nb-Rod-Method Cu-Nb/Nb₃Sn Wires Designed for Practical React-and-Wind Coils. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	5
40	Deposition-Temperature Dependence of Vortex Pinning Property in YBa₂Cu₃O₇+BaHfO₃ Films. Materials Transactions, 2020, 61, 449-454.	0.4	2
41	Quadrupolar susceptibility and magnetic phase diagram of PrNi₂Cd₂₀ with non-Kramers doublet ground state. Philosophical Magazine, 2020, 100, 1268-1281.	0.7	3
42	Mechanical Strength Evaluation of the Internal Matrix Reinforced Nb₃Sn Multifilamentary Wires Using Cuâ€“Snâ€“In Ternary Alloy Matrix. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.1	5
43	Electromechanical Properties Evaluation of Multifilamentary MgB2 Wires With Different Reinforcements. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.1	1
44	A possible explanation for double-peak structure in strain dependence of critical current density in REBa₂Cu₃O$_{7-delta}$ coated conductors. Superconductor Science and Technology, 2020, 33, 094014.	1.8	4
45	Mechanical Properties of BaHfO₃-Doped EuBCO Coated Conductors Fabricated by Hot-Wall PLD on IBAD Template. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	10
46	Enhancement of critical current density in (Ba,Na)Fe₂As₂ round wires using high-pressure sintering. Superconductor Science and Technology, 2020, 33, 065001.	1.8	20
47	Simultaneous achievement of high J _c and suppressed J _c anisotropy by hybrid pinning in YBa₂Cu₃O₇ three-phase-nanocomposite film. Superconductor Science and Technology, 2020, 33, 105003.	1.8	5
48	Developments of (Ba,Na)Fe₂As₂ and CaKFe₄As₄ HIP round wires. Superconductor Science and Technology, 2020, 33, 104001.	1.8	14
49	A record-high trapped field of 5.6 T in the stacking of MgB₂/TiB₂ composite bulks prepared by an in-situ hot isostatic pressing method. Superconductor Science and Technology, 2020, 33, 125004.	1.8	18
50	Magnetic-field-induced topological phase transition in Fe-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mn mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures. Physical Review Materials, 2020, 4, .	0.9	15
51	Effects of Carbon Doping on Trapped Magnetic Field of MgB$_{2}$ Bulk Prepared by in-situ Hot Isostatic Pressing Method. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	7
52	AC losses and induced fields in HTS coil wound using two-ply coated conductors. Journal of Physics: Conference Series, 2020, 1559, 012130.	0.3	4
53	Simulation of Local Dissipation Phenomena in the REBCO Insert of the 25-T CSM Magnet: Understanding and Preventing Destructive Thermal Runaway. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	12
54	Effects of core density and impurities on the critical current density of CaKFe₄As₄ superconducting tapes. Superconductor Science and Technology, 2019, 32, 105014.	1.8	13

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55	Recent Progress of Iron-Based Superconducting Round Wires. Journal of Physics: Conference Series, 2019, 1293, 012042.	0.3	3
56	Fabrication of (Ba,Na)Fe₂As₂ round wires using HIP process. Journal of Physics: Conference Series, 2019, 1293, 012043.	0.3	5
57	Magnetocapacitance effect and magnetostriction by the field-induced spin-crossover in [MnIII(taa)]. AIP Advances, 2019, 9, .	0.6	15
58	Enhancement of the critical current density in Cu/Ag composite sheathed (Ba,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (K)Fe<sub> 096003.	0.8	6
59	Demonstration of Excellent J _c Performance in (AE,Na)Fe₂As₂ (AE: Sr, Ba) PIT Wires. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	9
60	Longitudinal Magnetic Field Effects on (Y,Gd)Ba₂Cu₃O_{7â^'Î´} Coated Conductor With BaHfO₃ Nanoparticles Fabricated by UTOC-MOD Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
61	Proposal of an effective mechanical reinforcement structure for a REBaCuO disk bulk pair by full metal encapsulation to achieve a higher trapped field over 20 T. Superconductor Science and Technology, 2019, 32, 045005.	1.8	16
62	Characterization of Electromechanical Properties in Differently Sheathed MgB2 Wires Under Uniaxial Tension. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
63	Superconducting Joint of GdBa₂Cu₃O_y Coated Conductors by Crystallization of an Additionally Deposited Precursor Layer. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	6
64	Effect of C Doping Level and the Ratio of Mg to B on the MgB₂ Wires Fabricated by Internal Mg Diffusion Method. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
65	3-D Properties in (RE)BCO Tapes Measured in Fields up to 35T. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
66	Microstructures of superconducting joint between GdBa₂Cu₃O _y -coated conductors via additionally deposited precursor films. Japanese Journal of Applied Physics, 2019, 58, 050913.	0.8	6
67	Performance of Polyvinyl Formal Insulated Cuâ€"Nb/Nb₃Sn Wires for React-and-Wind Process. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	5
68	Influence of joint pressure on superconducting and mechanical properties for jointed GdBa₂Cu₃O_y coated conductors via precursor films. Japanese Journal of Applied Physics, 2019, 58, 050907.	0.8	2
69	Flux-Pinning Properties of BaHfO₃-Doped EuBCO-Coated Conductors Fabricated by Hot-Wall PLD. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	46
70	Field Stability Analysis of 25ÂT Cryogen-Free Superconducting Magnet and Upgrade Plans for 30ÂT System at HFLSM, IMR, Tohoku University. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	15
71	Superconductivity under uniaxial tensile strain on internal reinforced Nb3Sn multifilamentary wire using Cu-Sn-Zn ternary alloy matrix. IOP Conference Series: Materials Science and Engineering, 2019, 502, 012175.	0.3	1
72	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. Physical Review B, 2019, 100, .	1.1	9

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73	Magnetoelastic Coupling in the Perovskite-type Co Oxides Sr1â^'xYxCoO3â^'Î´. Journal of the Physical Society of Japan, 2019, 88, 124706.	0.7	0
74	Field-cooled magnetization of Y-Ba-Cu-O superconducting bulk pair reinforced by full metal encapsulation under high magnetic fields up to 22â€‰T. Journal of Applied Physics, 2019, 126, .	1.1	11
75	Effect of neutron irradiation on Nb₃Sn wire. Superconductor Science and Technology, 2019, 32, 024004.	1.8	4
76	Deposition-Temperature Dependence of Vortex Pinning Property in YBa₂Cu₃O₇+BaHfO₃ Film. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 320-326.	0.2	1
77	Joint Resistance Characteristics in Ultrasonic Weld REBCO CC Tapes at Various Temperatures and Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
78	Strain Characteristics of Ic in Brass-Laminated GdBCO CC Tape Under Tension at Various Low Temperature and Magnetic Field Conditions. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	1
79	Influence of Bolt Positions and Electrode Structure in Yoroi-Coil Structure on Stress Distribution in an HTS Coil Winding. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	1
80	Epitaxial contact Andreev reflection spectroscopy of NbN/Co2FeSi layered devices. Applied Physics Letters, 2018, 112, .	1.5	7
81	Nb-Rod-Method Cuâ€"Nb/Nb3Sn Wires for Practical React-and-Wind Applications. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
82	Experimental Investigation of Bi-2223/Ag Superconducting Tape Joints. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-3.	1.1	7
83	Large magneto-thermopower in MnGe with topological spin texture. Nature Communications, 2018, 9, 408.	5.8	36
84	Performance of an HTS Persistent Current System for REBCO Pancake Coil. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	17
85	Improvements of fabrication processes and enhancement of critical current densities in (Ba,K)Fe₂As₂HIP wires and tapes. Superconductor Science and Technology, 2018, 31, 055016.	1.8	59
86	Influences of Tape Thickness on the Properties of Ag-Sheathed Sr_{1-x}K_xFe₂ As₂ Superconducting Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	8
87	Development of Long-Length BMO-Doped REBCO Coated Conductors by Hot-Wall PLD Process. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	19
88	Improved Flux Pinning for High-Field Applications in BaHfO3-Doped SmBa2Cu3 Oy-Coated Conductors With High Density of Random Pinning Centers Induced by BaHfO 3 Nanorods. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	4
89	Enhancement of In-Field Critical Current Density of BaZrO3-Added (Y, Gd) BCO-Coated Conductors by Using a Multi-Coating TFA-MOD Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	1
90	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co2MnSi under high magnetic fields. Physica B: Condensed Matter, 2018, 536, 310-313.	1.3	10

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91	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe₂As₂ superconducting tapes. Journal of Physics: Conference Series, 2018, 1054, 012045.	0.3	4
92	Fabrication and characterization of CaKFe₄As₄ round wires sintered at high pressure. Applied Physics Express, 2018, 11, 123101.	1.1	22
93	Thermal expansion and magnetostriction measurements of perovskite-type Co oxides Sr_{1-x}Y_xC₀O_{3-Î´} in high magnetic fields. Journal of Physics: Conference Series, 2018, 969, 012109.	0.3	0
94	Fabrication Process and Pressure Dependence of Critical Current Density in Ba1-x K x Fe2As2 Superconducting HIP Wires. Journal of Physics: Conference Series, 2018, 1054, 012044.	0.3	0
95	Development and application of 2.5â€¯GPaâ€“25â€¯T high-pressure high-field electron spin resonance system using a cryogen-free superconducting magnet. Journal of Magnetic Resonance, 2018, 296, 1-4.	1.2	12
96	Anisotropy of the upper critical field and its thickness dependence in superconducting FeSe electric-double-layer transistors. Physical Review B, 2018, 97, .	1.1	9
97	High transport current superconductivity in powder-in-tube Ba_{0.6}K_{0.4}Fe₂As₂tapes at 27 T. Superconductor Science and Technology, 2018, 31, 015017.	1.8	76
98	Study of Growth Process for YBa2Cu3Oy Coated Conductors With BaZrO 3 Flux Pinning Centers by Monitoring Electrical Conductivity. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2
99	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe2As2 tape. Applied Physics Express, 2018, 11, 063101.	1.1	11
100	Miniaturization of BaHfO₃nanoparticles in YBa₂Cu₃O_y-coated conductors using a two-step heating process in the TFA-MOD method. Superconductor Science and Technology, 2017, 30, 025022.	1.8	10
101	Properties of Multifilamentary MgB2 Wires Fabricated by Internal Magnesium Diffusion Using Amorphous and Crystalline Boron Powders. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	7
102	Effect of Nanorod Alignment on Flux Pinning State in BaHfO3 Doped SmBa2Cu3 Oy Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	1
103	Transport properties of multifilament MgB2long wires and coils prepared by an internal Mg diffusion process. Superconductor Science and Technology, 2017, 30, 064003.	1.8	18
104	Enhanced transport critical current density in Sn-added SmFeAsO_{1â^’x}F_xtapes prepared by the PIT method. Superconductor Science and Technology, 2017, 30, 065004.	1.8	8
105	Pin potential effect on vortex pinning in YBa2Cu3O7-Î´ films containing nanorods: Pin size effect and mixed pinning. Applied Physics Letters, 2017, 110, .	1.5	21
106	Design and Test Results of a Cryogenic Cooling System for a 25-T Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	13
107	Transport critical current density of high-strength Sr_{1â^’x}K_xFe₂As₂/Ag/Monel composite conductors. Superconductor Science and Technology, 2017, 30, 075010.	1.8	16
108	First performance test of a 25 T cryogen-free superconducting magnet. Superconductor Science and Technology, 2017, 30, 065001.	1.8	128

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109	Anomalous anisotropy of critical currents in (Sr, K)Fe₂As₂tapes. Superconductor Science and Technology, 2017, 30, 035018.	1.8	12
110	Strongc-axis correlated pinning and hybrid pinning in YBa2Cu3O7âˆ’Î´films containing BaHfO3nanorods and stacking faults. Superconductor Science and Technology, 2017, 30, 074009.	1.8	8
111	Preliminary Tests and Margin Estimate for a REBCO Insulated 10 T Insert Under High Magnetic Field. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	10
112	Development of an 11 T BSCCO Insert Coil for a 25 T Cryogen-free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, , 1-1.	1.1	16
113	Fabrication and Characterization of Epitaxial Films of Superconductor NbN and Highly Spin-Polarized Heusler Alloy Co2Fe0.4Mn0.6Si. IEEE Magnetics Letters, 2017, 8, 1-5.	0.6	5
114	Superconducting Properties of 100-m Class Sr0.6K0.4Fe2As2 Tape and Pancake Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	52
115	Strongly enhanced irreversibility field and flux pinning force density in SmBa₂Cu₃O_y-coated conductors with well-aligned BaHfO₃nanorods. Applied Physics Express, 2017, 10, 103101.	1.1	11
116	Flux pinning landscape up to 25 T in SmBa₂Cu₃O_yfilms with BaHfO₃nanorods fabricated by low-temperature growth technique. Superconductor Science and Technology, 2017, 30, 104004.	1.8	22
117	Temperature dependence of critical currents in REBCO thin films with artificial pinning centers. Superconductor Science and Technology, 2017, 30, 104006.	1.8	7
118	Transport current density at temperatures up to 25 K of Cu/Ag composite sheathed 122-type tapes and wires. Superconductor Science and Technology, 2017, 30, 115007.	1.8	22
119	Approaches in controllable generation of artificial pinning center in REBa₂Cu₃O_y-coated conductor for high-flux pinning. Superconductor Science and Technology, 2017, 30, 104002.	1.8	28
120	Isotropic enhancement in the critical current density of YBCO thin films incorporating nanoscale Y2BaCuO5 inclusions. Journal of Applied Physics, 2017, 122, .	1.1	25
121	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. NPG Asia Materials, 2017, 9, e447-e447.	3.8	57
122	Effect of Co doping on the transport critical current density of rapidly heat-treated filamentary (Nd,Sm,Gd)â€“Baâ€“Cuâ€“O superconductors. Physica C: Superconductivity and Its Applications, 2017, 539, 44-48.	0.6	1
123	Strong flux pinning at 4.2 K in SmBa₂Cu₃O_ycoated conductors with BaHfO₃nanorods controlled by low growth temperature. Superconductor Science and Technology, 2017, 30, 084009.	1.8	23
124	BMO-Doped REBCO-Coated Conductors for Uniform In-Field I_{c} by Hot-Wall PLD Process Using IBAD Template. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	37
125	Magnetostriction enhancement by high magnetic field annealing in cast Fe81Ga19 alloy. Journal of Magnetism and Magnetic Materials, 2017, 442, 128-135.	1.0	19
126	The Effect of High Magnetic Field on Electromagnetic Response and Microwave Absorption of Cobalt Particles During Annealing Process. Journal of Superconductivity and Novel Magnetism, 2017, 30, 463-468.	0.8	4

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127	Present status of PIT round wires of 122-type iron-based superconductors. IOP Conference Series: Materials Science and Engineering, 2017, 279, 012028.	0.3	15
128	Large and field-insensitive critical current densities in (Sr,Na)Fe2As2superconducting tapes. Journal of Physics: Conference Series, 2017, 871, 012062.	0.3	5
129	C-axis correlated pinning mechanism in vortex liquid and solid phases for Sm123 film with well-aligned BaHfO3nanorods. Superconductor Science and Technology, 2017, 30, 114005.	1.8	8
130	Effect of Simultaneous Addition of 1D and 3D Artificial Pinning Centers in Hybrid YBa₂Cu₃O_{7â€“x} Multilayers. Science of Advanced Materials, 2017, 9, 1042-1050.	0.1	10
131	Microstructure and superconducting properties of nanocarbon-doped internal Mg diffusion-processed MgB2wires fabricated using different boron powders. Superconductor Science and Technology, 2016, 29, 045009.	1.8	9
132	Uniform transport performance of a 100 m-class multifilament MgB₂wire fabricated by an internal Mg diffusion process. Superconductor Science and Technology, 2016, 29, 065003.	1.8	15
133	10 T generation by an epoxy impregnated GdBCO insert coil for the 25 T-cryogen-free superconducting magnet. Superconductor Science and Technology, 2016, 29, 055010.	1.8	15
134	Angular behaviour of critical current density in YBa₂Cu₃O_ythin films with crossed columnar defects. Superconductor Science and Technology, 2016, 29, 065023.	1.8	15
135	Control of Critical Current Density Properties of Superconducting Films by Control of Their Microstructures. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 420-427.	0.2	0
136	Characteristic Irreversible Critical Strain Limit of GdBCO Coated Conductor Tapes under Various Temperature and Magnetic Field Conditions. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	2
137	Vortex pinning and dynamics in high performance Sr0.6K0.4Fe2As2 superconductor. Journal of Applied Physics, 2016, 119, 143906.	1.1	23
138	Delocalization of vortex in SmBa2Cu3O7â˜Î´ superconducting films with BaHfO3 nano-rods. Journal of Applied Physics, 2016, 120, .	1.1	17
139	Performance of a 14-T CuNb/Nb₃Sn Rutherford coil with a 300 mm wide cold bore. Superconductor Science and Technology, 2016, 29, 084004.	1.8	15
140	Effects of densification of precursor pellets on microstructures and critical current properties of YBCO melt-textured bulks. Physica C: Superconductivity and Its Applications, 2016, 531, 79-84.	0.6	3
141	Effect of Applied Pure Bending Strain on Critical Current for CuNb/Nb₃Sn Superconducting Wires. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	3
142	Transport Properties of CuNb/Nb₃Sn Rutherford Coils With Various Diameters. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	3
143	Study on Normal Zone Characteristics in a REBCO Insert Coil Induced by Quenches in an LTS Outsert Coil. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	1
144	Minimization of BaHfO₃Flux Pinning Centers in YBa₂Cu₃O_yFilms by Metal Organic Deposition Process. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3.	1.1	5

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