

# Satoshi Awaji

## List of Publications by Citations

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646

papers

7,342

citations

37

h-index

55

g-index

656

ext. papers

7,938

ext. citations

2.1

avg, IF

5.65

L-index

#	Paper	IF	Citations
646	Substitution for copper in a high-Tc superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> □. <i>Nature</i> , <b>1987</b> , 328, 512-514	50.4	360
645	Significantly enhanced critical current densities in MgB <sub>2</sub> tapes made by a scaleable nanocarbon addition route. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 072502	3.4	163
644	Quantum Hall effect in a bulk antiferromagnet EuMnBi <sub>2</sub> with magnetically confined two-dimensional Dirac fermions. <i>Science Advances</i> , <b>2016</b> , 2, e1501117	14.3	110
643	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). <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 279, 110-122	5.3	106
642	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. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 202601	3.4	103
641	First performance test of a 25 T cryogen-free superconducting magnet. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 065001	3.1	91
640	Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		68
639	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 183-186	1.3	68
638	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore Nd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 056402	7.4	66
637	High critical current density and low anisotropy in textured Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> tapes for high field applications. <i>Scientific Reports</i> , <b>2012</b> , 2, 998	4.9	62
636	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. <i>Physical Review Letters</i> , <b>2003</b> , 90, 257202	7.4	58
635	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. <i>Scientific Reports</i> , <b>2014</b> , 4, 6944	4.9	57
634	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. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 1543-1546	2.5	57
633	Noncontact measurement of thermal conductivity of liquid silicon in a static magnetic field. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 094102	3.4	56
632	X-ray diffraction study of the structural phase transition of Ni <sub>2</sub> MnGa alloys in high magnetic fields. <i>Solid State Communications</i> , <b>2000</b> , 113, 671-676	1.6	54
631	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). <i>Superconductor Science and Technology</i> , <b>2014</b> , 27, 065001	3.1	53
630	Containerless Melting of Glass by Magnetic Levitation Method. <i>Japanese Journal of Applied Physics</i> , <b>2000</b> , 39, L324-L326	1.4	53

629	11 T liquid helium-free superconducting magnet. <i>Cryogenics</i> , <b>1996</b> , 36, 1019-1025	1.8	53
628	New 25 T Cryogen-Free Superconducting Magnet Project at Tohoku University. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-5	1.8	51
627	Characteristics of REBCO Coated Conductors for 25 T Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	49
626	Development of High Field Heat-Treatment Equipment and Relevant Applications. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, L673-L675	1.4	49
625	Critical current properties in HTS tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 392-396, 1053-1062	1.3	48
624	15 T Cryocooled Nb <sub>3</sub> Sn Superconducting Magnet with a 52 mm Room Temperature Bore. <i>Japanese Journal of Applied Physics</i> , <b>1998</b> , 37, L1148-L1150	1.4	46
623	Cu-NMR studies of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4-y</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 160, 8-16	1.3	46
622	Jc 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. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3633-3635	3.4	43
621	. <i>IEEE Transactions on Magnetics</i> , <b>1994</b> , 30, 1871-1874	2	43
620	Improvement in Jc 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. <i>APL Materials</i> , <b>2016</b> , 4, 016102	5.7	42
619	Development and large volume production of extremely high current density YBaCuO superconducting wires for fusion. <i>Scientific Reports</i> , <b>2021</b> , 11, 2084	4.9	42
618	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. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 055016	3.1	41
617	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e447-e447	10.3	41
616	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. <i>Applied Physics Express</i> , <b>2015</b> , 8, 023101	2.4	41
615	The effect of ZrSi <sub>2</sub> and SiC doping on the microstructure and Jc properties of PIT processed MgB <sub>2</sub> tapes. <i>Superconductor Science and Technology</i> , <b>2006</b> , 19, 133-137	3.1	41
614	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. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 015017	3.1	40
613	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> , <b>2014</b> , 4, 4465	4.9	39
612	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> , <b>2003</b> , 16, 733-738	3.1	38

611	Noncontact modulated laser calorimetry in a dc magnetic field for stable and supercooled liquid silicon. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 025901	2	37
610	Magnetic levitation experiments in Tohoku University. <i>Physica B: Condensed Matter</i> , <b>1998</b> , 256-258, 618-620		37
609	Liquid helium-free superconducting magnets and their applications. <i>Cryogenics</i> , <b>1994</b> , 34, 639-642	1.8	37
608	Enhancement of critical current densities in (Ba,K)Fe <sub>2</sub> As <sub>2</sub> wires and tapes using HIP technique. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 115002	3.1	37
607	Development of modulated laser calorimetry using a solid platinum sphere as a reference. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 2059-2066	2	36
606	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. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	35
605	Flux-Pinning Properties of BaHfO <sub>3</sub> -Doped EuBCO-Coated Conductors Fabricated by Hot-Wall PLD. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	35
604	BMO-Doped REBCO-Coated Conductors for Uniform In-Field $J_c$ by Hot-Wall PLD Process Using IBAD Template. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-4	1.8	34
603	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> , <b>2015</b> , 28, 125014	3.1	34
602	Room and low temperature direct three-dimensional-strain measurements by neutron diffraction on as-reacted and prebent CuNb <sub>1-x</sub> Bi <sub>x</sub> Sn wire. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 103913	2.5	34
601	Effect of high magnetic field on the two-step martensitic-phase transition in Ni <sub>2</sub> MnGa. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 37-39	3.4	34
600	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 $\leq$ $y$ $\leq$ 6.9) single crystals. <i>Physica C: Superconductivity and Its Applications</i> , <b>1995</b> , 251, 255-262	1.3	34
599	Transport Characteristics of CVD-YBCO Coated Conductor under Hoop Stress. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 1131-1134	1.8	33
598	Review on Bi <sub>1-x</sub> Ca <sub>x</sub> Tl <sub>1-y</sub> Cu <sub>2-y</sub> O <sub>8</sub> whiskers. <i>Superconductor Science and Technology</i> , <b>2006</b> , 19, R81-R99	3.1	33
597	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> , <b>2002</b> , 378-381, 1113-1117	1.3	33
596	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> , <b>2014</b> , 27, 095002	3.1	32
595	Noncontact modulated laser calorimetry of liquid silicon in a static magnetic field. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 054901	2.5	32
594	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1993</b> , 3, 1006-1009	1.8	32

593	High critical current density in textured Ba-122/Ag tapes fabricated by a scalable rolling process. <i>Scripta Materialia</i> , <b>2015</b> , 99, 33-36	5.6	30
592	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 4601204-4601204	1.8	29
591	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> , <b>2005</b> , 18, 1460-1463	3.1	29
590	Transport and magnetic properties of La <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>1990</b> , 165-166, 1185-1186	1.8	29
589	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> , <b>2013</b> , 26, 055008	3.1	28
588	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> , <b>2007</b> , 17, 3207-3210	1.8	28
587	Magnetic levitation experiments in Tohoku University. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 294-295, 729-735	1.8	28
586	(Nb,Ti)/sub 3/Sn superconducting wire with CuNb reinforcing stabilizer. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2002</b> , 12, 1067-1070	1.8	28
585	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> , <b>2013</b> , 23, 8001104-8001104	1.8	27
584	Performance of a Cryogen-Free 30 T-Class Hybrid Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2006</b> , 16, 934-939	1.8	27
583	Insulating phase of a two-dimensional electron gas in Mg <sub>x</sub> Zn <sub>1-x</sub> O/ZnO heterostructures below $\mu$ 13. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	26
582	Beautiful unconventional synthesis and processing technologies of superconductors and some other materials. <i>Science and Technology of Advanced Materials</i> , <b>2011</b> , 12, 013001	7.1	26
581	Flux pinning properties of correlated pinning at low temperatures in ErBCO films with inclined columnar defects. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 013914	2.5	26
580	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> , <b>2008</b> , 29, 605-14	1.6	26
579	Enhanced Critical Current Density of MgB <sub>2</sub> Superconductor Synthesized in High Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L493-L496	1.4	26
578	c-axis correlated pinning behavior near the irreversibility fields. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 122501	3.4	26
577	Cryogen-free hybrid magnet for magnetic levitation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 386, 485-489	1.3	26
576	Large irreversibility field in nanoscale C-doped MgB <sub>2</sub> /Fe tape conductors. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, L5-L8	3.1	25

575	Percolative transition and scaling of transport E-J characteristics in YBCO coated IBAD tape. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 2607-2610	1.8	25
574	Crystal growth of ammonium chloride in magnetic levitation conditions. <i>Journal of Crystal Growth</i> , <b>2000</b> , 209, 1013-1017	1.6	25
573	Crossover from intrinsic to extrinsic pinning for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Cryogenics</i> , <b>1999</b> , 39, 569-577	1.8	25
572	Spin-wave resonance in ferromagnetic coupled Co/Cu multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 176, 127-133	2.8	24
571	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , <b>2018</b> , 9, 408	17.4	23
570	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. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 090304	1.4	23
569	Development of high-strength Nb <sub>3</sub> Sn conductor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 1004-1007	1.8	23
568	Estimation of E <sub>J</sub> characteristics in a YBCO coated conductor at low temperature and very high magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , <b>2003</b> , 392-396, 1078-1082	1.3	23
567	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> , <b>2015</b> , 28, 065013	3.1	22
566	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> , <b>2017</b> , 30, 104002	3.1	22
565	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> , <b>2013</b> , 26, 075003	3.1	22
564	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. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-5	1.8	21
563	Enhancement of In-Field Current Transport Properties in GdBCO Coated Conductors by BaHfO <sub>3</sub> Doping. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 8002304-8002304	1.8	21
562	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> , <b>2017</b> , 30, 084009	3.1	21
561	Cryogen-Free Superconducting and Hybrid Magnets. <i>Journal of Low Temperature Physics</i> , <b>2003</b> , 133, 17-30	3.0	21
560	Control of Thermal Convection in Water by Strong Gradient Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L715-L717	1.4	21
559	Prebending effects in bronze route Nb <sub>3</sub> Sn wires. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, S313-S318	3.1	21
558	Crystal growth and materials processing in the magnetic levitation condition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 2090-2093	2.8	21

557	Mechanical and superconducting properties of Nb <sub>3</sub> Sn wires with Nb-rod-processed CuNb reinforcement. <i>Superconductor Science and Technology</i> , <b>2013</b> , 26, 094002	3.1	20
556	Doping with a special carbohydrate, C <sub>9</sub> H <sub>11</sub> NO, to improve the J <sub>c</sub> B properties of MgB <sub>2</sub> tapes. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 025024	3.1	20
555	18.1 T cryocooled superconducting magnet with a Bi <sub>2</sub> 223 high- insert. <i>Fusion Engineering and Design</i> , <b>2006</b> , 81, 2425-2432	1.7	20
554	A cryocooler-cooled 19 T superconducting magnet with 52 mm room temperature bore. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 393-396	1.8	20
553	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> , <b>2000</b> , 39, L726-L729	1.4	20
552	Critical current density and microstructure of iron sheathed multifilamentary Sr <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> /Ag composite conductors. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 203909	2.5	19
551	Neutron Diffraction Study on Prebending Effects for Bronze Route Nb <sub>3</sub> Sn Wires Without Reinforcement. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2006</b> , 16, 1228-1231	1.8	19
550	Large T <sub>c</sub> , B <sub>c2</sub> and I <sub>c</sub> enhancement effect due to the prebending treatment for bronze route Nb <sub>3</sub> Sn wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3564-3567	1.8	19
549	Thermal stability of oxide superconductor at various temperatures. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2002</b> , 12, 1155-1158	1.8	19
548	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> , <b>2016</b> , 119, 143906	2.5	19
547	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> , <b>2017</b> , 30, 104004	3.1	18
546	Prebending Effect for Mechanical and Superconducting Properties of Nb-Rod-Processed CuNb Internal-Reinforced Nb <sub>3</sub> Sn Wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-4	1.8	18
545	Isotropic enhancement in the critical current density of YBCO thin films incorporating nanoscale Y <sub>2</sub> BaCuO <sub>5</sub> inclusions. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 093905	2.5	18
544	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. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 592-595	1.8	18
543	Effect of high magnetic field annealing on the microstructure and magnetic properties of CoFe layered double hydroxide. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 3023-3027	2.8	18
542	Observation of growth-mode change under a magnetic field in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	18
541	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1995</b> , 5, 1905-1908	1.8	18
540	Fabrication and characterization of CaKFe <sub>4</sub> As <sub>4</sub> round wires sintered at high pressure. <i>Applied Physics Express</i> , <b>2018</b> , 11, 123101	2.4	18

539	Pin potential effect on vortex pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> -Tl films containing nanorods: Pin size effect and mixed pinning. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 052601	3.4	17
538	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-5	1.8	17
537	Magnetic Field Design of Dipole Magnet Wound With Coated Conductor Considering Its Current Transport Characteristics. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 1833-1837	1.8	17
536	Superconducting properties of ErBCO films with BaMO <sub>3</sub> nanorods (M=Zr and Sn) by pulsed laser deposition. <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1522-1526	1.3	17
535	Improved critical current densities in MgB <sub>2</sub> tapes with ZrB <sub>2</sub> doping. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 132510	3.4	17
534	Current sharing effect on the current instability and allowable temperature rise of composite high-TC superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 416, 126-136	1.3	17
533	Influence of a magnetic field on melt-growth process of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . <i>Journal of Crystal Growth</i> , <b>2001</b> , 226, 83-87	1.6	17
532	Noncontact Modulated Laser Calorimetry for Liquid Austenitic Stainless Steel in dc Magnetic Field. <i>ISIJ International</i> , <b>2009</b> , 49, 1436-1442	1.7	17
531	Robust REBCO Insert Coil for Upgrade of 25 T Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	17
530	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	16
529	Development of Long-Length BMO-Doped REBCO Coated Conductors by Hot-Wall PLD Process. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-4	1.8	16
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405	Influence of d-Wave Symmetry on Irreversibility Line and Critical Current Densities. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L1022-L1025	1.4	9
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399	Detection and Protection Against Quench/Local Thermal Runaway for a 30 T Cryogen-Free Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	9
398	Miniaturization of BaHfO <sub>3</sub> nanoparticles in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -coated conductors using a two-step heating process in the TFA-MOD method. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 025022	3.1	8
397	Preliminary Tests and Margin Estimate for a REBCO Insulated 10 T Insert Under High Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	8
396	Strongly enhanced irreversibility field and flux pinning force density in SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> -coated conductors with well-aligned BaHfO <sub>3</sub> nanorods. <i>Applied Physics Express</i> , <b>2017</b> , 10, 103101	2.4	8

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394	Irreversibility Fields and Critical Current Densities in Strongly Pinned YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Films With Artificial Pinning Centers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-6	1.8	8
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387	Strain Gauge Method for Evaluating a Three-Dimensional Residual Strain State in $\text{Nb}_3\text{Sn}$ Wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1420-1423	1.8	8
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380	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>1997</b> , 274, 33-38	1.3	8
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290	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 639-643	1.3	5
289	Electrical transport properties of Y123 films with 2-D apcs. <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1851-1853	1.3	5
288	Cu-NMR study on the disordered quantum spin magnet with the Bose-glass ground state. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 51, 199-202	0.3	5

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286	Bi Addition Effect on $J_{c}$ -B Performance of Powder-in-Tube Processed $\text{MgB}_2$ Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2925-2928	1.8	5
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284	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. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, S533-S537	3.1	5
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282	Distribution of pinning strength and scaling behavior in YBCO coated IBAD tape. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 382, 57-61	1.3	5
281	High magnetic field researches in Tohoku University. <i>Current Applied Physics</i> , <b>2003</b> , 3, 367-376	2.6	5
280	Mechanical characteristics of Bi-2223 tape with a low matrix ratio. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 47-50	3.1	5
279	Mechanism of a high irreversibility field for (Nd, Eu, Gd)Ba <sub>2</sub> /Cu <sub>3</sub> O <sub>7</sub> bulk. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 3786-3789	1.8	5
278	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 357-360, 337-340	1.3	5
277	Two-dimensional quench simulation of composite CuNb/Nb <sub>3</sub> Sn conductors. <i>Cryogenics</i> , <b>2000</b> , 40, 393-401	1.8	5
276	Effect of Ag-doping on Texture Development of Bi <sub>2212</sub> Bulks in High Magnetic Field. <i>Journal of Low Temperature Physics</i> , <b>1999</b> , 117, 771-775	1.3	5
275	Relationship between strain effect and martensitic transformation in multifilamentary Nb <sub>3</sub> Sn wires. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 7404-7407	2.5	5
274	Low-temperature formation of YBaCuO superconducting films by thermal CVD and their J <sub>c</sub> in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 190, 79-80	1.3	5
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270	Cryogen-Free Split-Pair Superconducting Magnet with a 150 mm $\times$ 10 mm Room Temperature Gap. <i>Advances in Cryogenic Engineering</i> , <b>1996</b> , 319-324		5

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264	Evaluation of Various Nb-Rod-Method Cu-Nb/Nb <sub>3</sub> Sn Wires Designed for Practical React-and-Wind Coils. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-5	1.8	4
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262	Joint Resistance Characteristics in Ultrasonic Weld REBCO CC Tapes at Various Temperatures and Magnetic Fields. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	4
261	Magnetic Field Quality Evaluation of a 20-T Cryogen-Free Superconducting Magnet With a Bi <sub>2</sub> 223 Insert. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 1-1	1.8	4
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256	Repairing and upgrading of the HTS insert in the 18T cryogen-free superconducting magnet <b>2014</b> ,		4
255	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. <i>Chinese Physics Letters</i> , <b>2010</b> , 27, 117401	1.8	4
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252	Transport property measurement of practical coated conductor with copper stabilizer <b>2012</b> ,		4

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242	Heat transfer in water under strong gradient magnetic fields. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 1682-1684	1.8	4
241	J <sub>c</sub> properties of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> thick films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 412-414, 1041-1044	1.3	4
240	Cryogenfree superconducting magnets. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 329-333, 1487-1488	2.8	4
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221	Mechanical properties of four-stacked two tape bundled REBCO pancake coils. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 1-1	1.8	4
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217	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-5	1.8	3
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178	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. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2004</b> , 39, 407-414	0.1	3
177	Development of High Strength Nb <sub>3</sub> Sn Wire Bronze Processed Nb <sub>3</sub> Sn Wire Reinforced with Cu-NbTi Intermetallic Compound. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2004</b> , 39, 439-444	0.1	3
176	AC losses and induced fields in HTS coil wound using two-ply coated conductors. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1559, 012130	0.3	3
175	Simultaneous achievement of high J <sub>c</sub> and suppressed J <sub>c</sub> anisotropy by hybrid pinning in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> three-phase-nanocomposite film. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 105003 <sup>3-1</sup>	3.1	3
174	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 065004	3.1	3
173	Transport Properties of CuNb/Nb <sub>3</sub> Sn Rutherford Coils With Various Diameters. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-4	1.8	3
172	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. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-3	1.8	3
171	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1054, 012045	0.3	3
170	Fabrication of small superconducting coils using (Ba,A)Fe <sub>2</sub> As <sub>2</sub> (A: Na, K) round wires with large critical current densities. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 105008	3.1	3
169	Effects of High Magnetic Fields on Martensitic Transformation at Cryogenic Temperatures for Various Heat Treated Stainless Steels <b>1994</b> , 1207-1213		3
168	3-D Properties in (RE)BCO Tapes Measured in Fields up to 35T. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	2
167	Current Transport Properties of TFA-MOD Processed Long-Length $\text{Y}_{\text{1-x}}\text{Gd}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-y}$ Coated Conductor Doped With $\text{BaZrO}_3$ Artificial Pinning Centers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	2
166	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> , <b>2020</b> , 61, 449-454	1.3	2
165	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-<math>\delta</math></sub> coated conductors. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 094014	3.1	2
164	Improvement of a Large Bore Cryogen-Free Superconducting Magnet for a Hybrid Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-4	1.8	2
163	Recent Progress of Iron-Based Superconducting Round Wires. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1293, 012042	0.3	2
162	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. <i>Physica Procedia</i> , <b>2013</b> , 45, 149-152		2

161	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>2013</b> , 484, 130-133	1.3	2
160	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. <i>Physics Procedia</i> , <b>2015</b> , 67, 903-907		2
159	Dependence of BaMO <sub>3</sub> (M=Zr, Sn, Hf) Materials on Lattice Stress and T <sub>c</sub> in BaMO <sub>3</sub> -Doped SmBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Thin Films. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2015</b> , 50, 224-231	0.1	2
158	Optical anisotropy of carbon nano-fiber/silica composite films prepared under high magnetic field. <i>Journal of the Ceramic Society of Japan</i> , <b>2011</b> , 119, 430-433	1	2
157	Angular dependence of residual strain in CuNb/(Nb, Ti) <sub>3</sub> Sn wires. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 105010	3.1	2
156	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. <i>Advances in Science and Technology</i> , <b>2010</b> , 75, 187-191	0.1	2
155	Development of Pre-Bent High-Strength $\text{Nb}_3\text{Sn}$ Cable With Stainless-Steel Reinforcement Strands. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 1112-1115	1.8	2
154	Correlated pinning behavior in ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with BaZrO <sub>3</sub> nano-rods. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 1404-1409	1.3	2
153	Thermal properties of a large-bore cryocooled 10T superconducting magnet for a hybrid magnet. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 1745-1748	1.3	2
152	Thermal analysis of the cryocooled superconducting magnet for the liquid helium-free hybrid magnet. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S1027-S1029	1.3	2
151	Angular dependences of critical current density in YBCO thin films with crossed columnar defects. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 1295-1299	1.3	2
150	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. <i>IEEE Transactions on Applied Superconductivity</i> , <b>1997</b> , 7, 1311-1314	1.8	2
149	Development and Application of Low Temperature X-Ray Diffraction Apparatus in High Magnetic Field. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1997</b> , 61, 1012-1017	0.4	2
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146	Development of a 10 T Cryocooled Superconducting Magnet with a Room Temperature Bore of 360 mm for a 29 T Hybrid Magnet. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	2
145	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. <i>Advances in Science and Technology</i> , <b>2006</b> , 47, 118-123	0.1	2
144	Irreversibility Field and c-Axis Correlated Pinning in High-J <sub>c</sub> SmBCO Films. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3656-3659	1.8	2

143	Microstructure and $J_c$ Characteristics of Er123 Films With Artificial Pinning Centers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3688-3691	1.8	2
142	High-Strength Nb3Sn Wire Development for Compact Superconducting Magnets. <i>Materials Science Forum</i> , <b>2007</b> , 546-549, 1841-1848	0.4	2
141	Transport Properties of Bi2212 Round Wires Grown in High Magnetic Fields. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3106-3108	1.8	2
140	Design of an 8 MW Water-Cooled Magnet for a 35 T Hybrid Magnet at theHFLSM. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2006</b> , 16, 977-980	1.8	2
139	Effect of nano-C doping on their-situprocessed MgB2tapes. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 99-102	0.3	2
138	NMR study on quantum spin magnet NH4CuCl3. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 906-907	2.8	2
137	On the role of silver evaporation during YBa2Cu3O7 $\delta$ film processing. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 378-381, 102-106	1.3	2
136	Fabrication of low cost YBCO coated conductors using Ag-clad Hastelloy substrates. <i>Cryogenics</i> , <b>2002</b> , 42, 383-386	1.8	2
135	Cu-NMR Study on Field-Induced Phase Transitions in Quantum Spin Magnet NH4CuCl3. <i>Progress of Theoretical Physics Supplement</i> , <b>2005</b> , 159, 235-240		2
134	E-J Characteristics and Distribution of Local $J_c$ for Melt-Textured Grown Bulk YBa2Cu3O7 under High Magnetic Fields. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L330-L333	1.4	2
133	YBa2Cu3O7films processed by CVD in high magnetic fields. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 411-415	3.1	2
132	The intergranular and intragranular properties of Ag-clamped Bi-2212 thick films melt-solidified with and without Bi2Al4O9. <i>Superconductor Science and Technology</i> , <b>2002</b> , 15, 67-71	3.1	2
131	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 02LT01	3.1	2
130	Superconducting Properties in LTG-Sm1+xBa2-xCu3Oy+Low-Tc Nanoparticle Films under Low Temperature and High Magnetic Field. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 428-438	0.1	2
129	Development of a Large-bore Cryocooled Superconducting Magnet for Hybrid Magnets. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 310-315	0.1	2
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127	Effect of Applied Pure Bending Strain on Critical Current for CuNb/Nb3Sn Superconducting Wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	2
126	Development of High-Performance Cu-Nb/Nb3Sn Wires for Various High Field Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-5	1.8	2

125	Rectification at Various Temperatures in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Coated Conductors With PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> Buffer Layers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	2
124	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> , <b>2017</b> , 27, 1-5	1.8	1
123	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> , <b>2019</b> , 58, 050907	1.4	1
122	Quadrupolar susceptibility and magnetic phase diagram of PrNi <sub>2</sub> Cd <sub>20</sub> with non-Kramers doublet ground state. <i>Philosophical Magazine</i> , <b>2020</b> , 100, 1268-1281	1.6	1
121	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> , <b>2018</b> , 28, 1-4	1.8	1
120	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> , <b>2018</b> , 28, 1-5	1.8	1
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118	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> , <b>2016</b> , 29, 105019	3.1	1
117	$I_{c}$ Response With High Magnetic Field, Low Temperature, and Uniaxial Strain in REBCO Coated Conductor Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 1-1	1.8	1
116	Magnetic Orientation of Bismuth Nano-Particles in a Transparent Medium. <i>Ceramic Transactions</i> , <b>2014</b> , 109-116	0.1	1
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113	The Effect of the Parameters of a Vibration-Based Impact Mode Piezoelectric Power Generator. <i>Shock and Vibration</i> , <b>2015</b> , 2015, 1-9	1.1	1
112	Current Instability of High Temperature Superconducting Tapes in the AC Modes. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 507, 022028	0.3	1
111	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> , <b>2012</b> , 527, 188-192	5.7	1
110	MgB <sub>2</sub> thin films with high J <sub>c</sub> fabricated on Al tape substrates by electron beam evaporation. <i>Physica C: Superconductivity and Its Applications</i> , <b>2012</b> , 480, 108-110	1.3	1
109	Development of High-strength Pancake-coil Structure: "Yoroi-coil"; <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2013</b> , 48, 213-219	0.1	1
108	Influence of crossing angles of columnar defects on vortex glass transition in YBCO thin films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2011</b> , 471, 1029-1032	1.3	1

107	Bitter Magnet Design for Magnetic Levitation Experiments. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 656-659	1.8	1
106	Current Transport Mechanism and Control of the $n$ -Value for Ag/Bi2212 Wires and Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3071-3075	1.8	1
105	Formation of silicon hollow spheres via electromagnetic levitation method under static magnetic field in hydrogen-argon mixed gas. <i>Materials Letters</i> , <b>2009</b> , 63, 602-604	3.3	1
104	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> , <b>2009</b> , 469, 1567-1570	1.3	1
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101	$J_c$ anisotropy for magnetic field angle in YBCO coated conductor on IBAD-MgO buffered metal tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, 1384-1387	1.3	1
100	Tohoku High Magnetic Field Research Activities Using Cryogen-Free Superconducting Magnets. <i>Journal of Low Temperature Physics</i> , <b>2010</b> , 159, 370-373	1.3	1
99	Superconducting properties and microstructure of PLD-ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films with BaNb <sub>2</sub> O <sub>6</sub> . <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 97, 012143	0.3	1
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94	Steady and Unsteady Current Modes and Thermal Runaway Conditions of High- $T_c$ Composite Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 3133-3136	1.8	1
93	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. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	1
92	Magnetic anisotropy study of UGe <sub>2</sub> in a static high magnetic field. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 51, 255-258	0.3	1
91	Containerless melting and crystallization of diamagnetic organic materials under magnetic levitation condition. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 51, 450-453	0.3	1
90	Development of a cryo-cooled superconducting magnet with a large magnetic force field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 384-387	1.8	1



89	The influence of annealing on the microstructure and electrical resistivity of jelly-rolled Cu-Nb composite wires. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 1165-1168	1.8	1
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87	The Two-Phase Coexistent Region in Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 2837-2842	1.5	1
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85	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. <i>Physica C: Superconductivity and Its Applications</i> , <b>2000</b> , 341-348, 2597-2598	1.3	1
84	Mechanical and electrical characteristics of a reinforced tape coil in large hoop stress. <i>Superconductor Science and Technology</i> , <b>1998</b> , 11, 986-988	3.1	1
83	Cryocooler-cooled high field superconducting magnet. <i>European Physical Journal D</i> , <b>1996</b> , 46, 2745-2746		1
82	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> , <b>1994</b> , 194-196, 1853-1854	2.8	1
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80	Angular dependence of J <sub>c</sub> and B <sub>c2</sub> in the CVD-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Films. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 2199-2200	1.3	1
79	Magnetization hysteresis in high fields for quench-melt-growth processed Y <sub>1</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Superconductor Science and Technology</i> , <b>1992</b> , 5, S288-S291	3.1	1
78	AC Loss Measurements in an HTS Coil Wound Using Two-Ply Bundle Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 1-1	1.8	1
77	High Magnetic Field Transport Properties of NEG123 and Y123 Bulk Materials. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 359-364	0.1	1
76	Correlated Pinning Properties in RE123 Tapes with Nanorods. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2014</b> , 49, 155-162	0.1	1
75	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. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2019</b> , 83, 320-326	0.4	1
74	Flux Pinning Properties of REBCO coated conductors for High Field Magnets. <i>Progress in Superconductivity and Cryogenics (PSAC)</i> , <b>2011</b> , 13, 1-4		1
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72	Development of an 18 T Cryocooled High-Tc Superconducting Magnet. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2006</b> , 41, 322-327	0.1	1

71	Noncontact Laser Calorimetry of High Temperature Melts in a Static Magnetic Field. <i>Advances in Materials Research</i> , <b>2009</b> , 149-171		1
70	Magnetization Properties for YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Bulk Fabricated by Seed Process in High Magnetic Fields <b>1999</b> , 653-656		1
69	Critical Current Properties and Scaling of Bi(2223)/Ag Multifilamentary Tapes at Liquid Nitrogen Temperatures <b>2000</b> , 670-672		1
68	Current Leads Consisting of QMG-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> <b>1995</b> , 851-854		1
67	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		1
66	(Nb,Ti) <sub>3</sub> Sn Multifilamentary Wires with Cu-Nb Reinforcing Stabilizer <b>1994</b> , 883-889		1
65	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. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , <b>2014</b> , 49, 123-130	0.1	1
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