

Satoshi Awaji

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Trapping a magnetic field of 17.89 T in stacked coated conductors by suppression of flux jumps. <i>Superconductor Science and Technology</i> , 2022 , 35, 02LT01	3.1	2
645	Superconducting properties and pinning mechanism of filamentary (Sm,Gd,Dy)BaCuO doped with Co. <i>Physica C: Superconductivity and Its Applications</i> , 2022 , 594, 1354020	1.3	
644	High-Field Critical Current Properties of (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _y Filaments. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	
643	REBCO coil with robust behavior against local defects wound using two-tape bundle. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	4
642	Enhancement of the Magnetoelectric Effect Using the Dynamic Jahn-Teller Effect in a Transition-Metal Complex.. <i>Physical Review Letters</i> , 2022 , 128, 117601	7.4	1
641	Performance of Thin Cu-Nb/Nb ₃ Sn Round Wires and Tapes Pre-Bent for R&W Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-6	1.8	1
640	Rectification at Various Temperatures in YBa ₂ Cu ₃ O _y Coated Conductors With PrBa ₂ Cu ₃ O _y Buffer Layers. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	2
639	Jc Performance Under Transverse Compressive Stress of Internal Matrix Reinforced Nb ₃ Sn Multifilamentary Wires Using Various Ternary Bronze Alloys. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-4	1.8	
638	Mechanical properties of four-stacked two tape bundled REBCO pancake coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	4
637	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	1.8	
636	Present status of the high mechanical strengthened Nb ₃ Sn superconducting wires for fusion applications. <i>Journal of Nuclear Materials</i> , 2022 , 567, 153808	3.3	
635	Pinning analyses of a BaHfO ₃ -containing GdBa ₂ Cu ₃ O _{7-x} thin film grown by chemical solution deposition. <i>Superconductor Science and Technology</i> , 2021 , 34, 015009	3.1	0
634	AC Loss Measurements in an HTS Coil Wound Using Two-Ply Bundle Conductor. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	1
633	Electric Quadrupolar Contributions in the Magnetic Phases of UNi ₄ B. <i>Physical Review Letters</i> , 2021 , 126, 157201	7.4	6
632	Trapping a magnetic field of 14.8 T using stacked coated conductors of 12 mm width. <i>Superconductor Science and Technology</i> , 2021 , 34, 065004	3.1	3
631	Properties of seven-filament Cu/Ag-sheathed (Ba,K)Fe ₂ As ₂ tapes fabricated from round and square wires. <i>Rare Metals</i> , 2021 , 40, 3651-3659	5.5	0
630	High-performance Ba _{1-x} K _x Fe ₂ As ₂ superconducting tapes with grain texture engineered via a scalable fabrication. <i>Science China Materials</i> , 2021 , 64, 2530-2540	7.1	8

629	Enhancing Transport Performance in 7-filamentary Ba _{0.6} K _{0.4} Fe ₂ As ₂ Wires and Tapes via Hot Isostatic Pressing. <i>Physica C: Superconductivity and Its Applications</i> , 2021 , 585, 1353870	1.3	4
628	Development of Superconducting Coils using (Ba, Na)Fe ₂ As ₂ Round Wires with Large Critical Current. <i>Journal of Physics: Conference Series</i> , 2021 , 1975, 012020	0.3	
627	Electromagnetic Characteristics Study of Two-Ply REBCO Tapes Pancake Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 1-1	1.8	5
626	Development and large volume production of extremely high current density YBaCuO superconducting wires for fusion. <i>Scientific Reports</i> , 2021 , 11, 2084	4.9	42
625	Mechanical and critical current characteristics of high-strength (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{7-δ} tapes under uniaxial tensile strain. <i>Superconductor Science and Technology</i> , 2021 , 34, 025017	3.1	1
624	Overcoming optimization constraint for J _c by hybrid pinning in YBa ₂ Cu ₃ O ₇ films containing nanorods. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, 023001	1.4	0
623	Suppression of the critical current degradation under the compressive stress on the internal reinforcement bronze processed Nb ₃ Sn wire using Cu-Sn-In ternary bronze alloy matrix. <i>Fusion Engineering and Design</i> , 2021 , 168, 112365	1.7	1
622	In-Plane Domain Control of REBCO Coated Conductors by Annealing Under Bending Strain. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-6	1.8	1
621	Robust REBCO Insert Coil for Upgrade of 25 T Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	17
620	Detection and Protection Against Quench/Local Thermal Runaway for a 30 T Cryogen-Free Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	9
619	. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
618	Hoop Stress Tests of an Epoxy-Impregnated REBCO Coil With Fluorine-Coated Polyimide Insulation. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	4
617	Development of High-Performance Cu-Nb/Nb ₃ Sn Wires for Various High Field Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	2
616	Fabrication of small superconducting coils using (Ba,A)Fe ₂ As ₂ (A: Na, K) round wires with large critical current densities. <i>Superconductor Science and Technology</i> , 2021 , 34, 105008	3.1	3
615	Fabrication and Characterizations of KCa ₂ Fe ₄ As ₄ F ₂ Superconducting HIP Wires. <i>Journal of Physics: Conference Series</i> , 2020 , 1590, 012026	0.3	0
614	Fabrication of (Ba,Na)Fe ₂ As ₂ round wires and tapes using HIP process. <i>Journal of Physics: Conference Series</i> , 2020 , 1590, 012027	0.3	0
613	. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	3
612	Evaluation of Various Nb-Rod-Method Cu-Nb/Nb ₃ Sn Wires Designed for Practical React-and-Wind Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	4

611	Deposition-Temperature Dependence of Vortex Pinning Property in YBa ₂ Cu ₃ O ₇ +BaHfO ₃ Films. <i>Materials Transactions</i> , 2020 , 61, 449-454	1.3	2
610	Quadrupolar susceptibility and magnetic phase diagram of PrNi ₂ Cd ₂₀ with non-Kramers doublet ground state. <i>Philosophical Magazine</i> , 2020 , 100, 1268-1281	1.6	1
609	Mechanical Strength Evaluation of the Internal Matrix Reinforced Nb ₃ Sn Multifilamentary Wires Using Cu ₃ Ni Ternary Alloy Matrix. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-4	1.8	4
608	Electromechanical Properties Evaluation of Multifilamentary MgB ₂ Wires With Different Reinforcements. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-4	1.8	0
607	A possible explanation for double-peak structure in strain dependence of critical current density in REBa ₂ Cu ₃ O _{7-δ} coated conductors. <i>Superconductor Science and Technology</i> , 2020 , 33, 094014	3.1	2
606	Mechanical Properties of BaHfO ₃ -Doped EuBCO Coated Conductors Fabricated by Hot-Wall PLD on IBAD Template. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	7
605	Enhancement of critical current density in (Ba,Na)Fe ₂ As ₂ round wires using high-pressure sintering. <i>Superconductor Science and Technology</i> , 2020 , 33, 065001	3.1	8
604	Magnetic-field-induced topological phase transition in Fe-doped (Bi,Sb) ₂ Se ₃ heterostructures. <i>Physical Review Materials</i> , 2020 , 4,	3.2	3
603	Effects of Carbon Doping on Trapped Magnetic Field of MgB ₂ Bulk Prepared by in-situ Hot Isostatic Pressing Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-6	1.8	5
602	AC losses and induced fields in HTS coil wound using two-ply coated conductors. <i>Journal of Physics: Conference Series</i> , 2020 , 1559, 012130	0.3	3
601	Simultaneous achievement of high J _c and suppressed J _c anisotropy by hybrid pinning in YBa ₂ Cu ₃ O ₇ three-phase-nanocomposite film. <i>Superconductor Science and Technology</i> , 2020 , 33, 105003	3.1	3
600	Developments of (Ba,Na)Fe ₂ As ₂ and CaKFe ₄ As ₄ HIP round wires. <i>Superconductor Science and Technology</i> , 2020 , 33, 104001	3.1	8
599	A record-high trapped field of 5.6 T in the stacking of MgB ₂ /TiB ₂ composite bulks prepared by an in-situ hot isostatic pressing method. <i>Superconductor Science and Technology</i> , 2020 , 33, 125004	3.1	12
598	Fabrications and evaluations of critical current density of (Ba,Na)Fe ₂ As ₂ HIP round wires. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 568, 1353580	1.3	5
597	Single-domain formation of SrMnBi ₂ films on polar LaAlO ₃ substrate. <i>AIP Advances</i> , 2020 , 10, 105216	1.5	1
596	Development of a High Current Density Distributed Tin Method Nb ₃ Sn Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	11
595	Magnetocapacitance effect and magnetostriction by the field-induced spin-crossover in [MnIII(taa)]. <i>AIP Advances</i> , 2019 , 9, 085219	1.5	8
594	Enhancement of the critical current density in Cu/Ag composite sheathed (Ba, K)Fe ₂ As ₂ tapes by pre-annealing process. <i>Materials Research Express</i> , 2019 , 6, 096003	1.7	5

593	Demonstration of Excellent Jc Performance in (AE,Na)Fe ₂ As ₂ (AE: Sr, Ba) PIT Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	7
592	Longitudinal Magnetic Field Effects on (Y,Gd)Ba ₂ Cu ₃ O ₇ Coated Conductor With BaHfO ₃ Nanoparticles Fabricated by UTOC-MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
591	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. <i>Superconductor Science and Technology</i> , 2019 , 32, 045005	3.1	10
590	Characterization of Electromechanical Properties in Differently Sheathed MgB ₂ Wires Under Uniaxial Tension. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	4
589	Superconducting Joint of GdBa ₂ Cu ₃ O _y Coated Conductors by Crystallization of an Additionally Deposited Precursor Layer. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	5
588	Effect of C Doping Level and the Ratio of Mg to B on the MgB ₂ Wires Fabricated by Internal Mg Diffusion Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
587	3-D Properties in (RE)BCO Tapes Measured in Fields up to 35T. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	2
586	Microstructures of superconducting joint between GdBa ₂ Cu ₃ O _y coated conductors via additionally deposited precursor films. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 050913	1.4	4
585	Performance of Polyvinyl Formal Insulated CuNb/Nb ₃ Sn Wires for React-and-Wind Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	4
584	Influence of joint pressure on superconducting and mechanical properties for jointed GdBa ₂ Cu ₃ O _y coated conductors via precursor films. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 050907	1.4	1
583	Simulation of Local Dissipation Phenomena in the REBCO Insert of the 25-T CSM Magnet: Understanding and Preventing Destructive Thermal Runaway. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	11
582	Effects of core density and impurities on the critical current density of CaKFe ₄ As ₄ superconducting tapes. <i>Superconductor Science and Technology</i> , 2019 , 32, 105014	3.1	7
581	Recent Progress of Iron-Based Superconducting Round Wires. <i>Journal of Physics: Conference Series</i> , 2019 , 1293, 012042	0.3	2
580	Fabrication of (Ba,Na)Fe ₂ As ₂ round wires using HIP process. <i>Journal of Physics: Conference Series</i> , 2019 , 1293, 012043	0.3	3
579	Deposition-Temperature Dependence of Vortex Pinning Property in YBa ₂ Cu ₃ O ₇ +BaHfO ₃ Film. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2019 , 83, 320-326	0.4	1
578	Flux-Pinning Properties of BaHfO ₃ -Doped EuBCO-Coated Conductors Fabricated by Hot-Wall PLD. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	35
577	Field Stability Analysis of 25 T Cryogen-Free Superconducting Magnet and Upgrade Plans for 30 T System at HFLSM, IMR, Tohoku University. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	11
576	Superconductivity under uniaxial tensile strain on internal reinforced Nb ₃ Sn multifilamentary wire using Cu-Sn-Zn ternary alloy matrix. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 502, 012175	0.4	1

575	Ordering phenomena of spin trimers accompanied by a large geometrical Hall effect. <i>Physical Review B</i> , 2019 , 100,	3.3	4
574	Magnetoelastic Coupling in the Perovskite-type Co Oxides Sr _{1-x} Y _x CoO ₃ . <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 124706	1.5	
573	Field-cooled magnetization of Y-Ba-Cu-O superconducting bulk pair reinforced by full metal encapsulation under high magnetic fields up to 22 T. <i>Journal of Applied Physics</i> , 2019 , 126, 243901	2.5	9
572	Effect of neutron irradiation on Nb ₃ Sn wire. <i>Superconductor Science and Technology</i> , 2019 , 32, 024004	3.1	1
571	Joint Resistance Characteristics in Ultrasonic Weld REBCO CC Tapes at Various Temperatures and Magnetic Fields. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	4
570	Strain Characteristics of I _c 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	1.8	1
569	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	1.8	1
568	Epitaxial contact Andreev reflection spectroscopy of NbN/Co ₂ FeSi layered devices. <i>Applied Physics Letters</i> , 2018 , 112, 072402	3.4	6
567	Nb-Rod-Method CuNb/Nb ₃ Sn Wires for Practical React-and-Wind Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	6
566	Experimental Investigation of Bi-2223/Ag Superconducting Tape Joints. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-3	1.8	7
565	Large magneto-thermopower in MnGe with topological spin texture. <i>Nature Communications</i> , 2018 , 9, 408	17.4	23
564	Performance of an HTS Persistent Current System for REBCO Pancake Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	12
563	Improvements of fabrication processes and enhancement of critical current densities in (Ba,K)Fe ₂ As ₂ HIP wires and tapes. <i>Superconductor Science and Technology</i> , 2018 , 31, 055016	3.1	41
562	Influences of Tape Thickness on the Properties of Ag-Sheathed Sr _{1-x} K _x Fe ₂ As ₂ Superconducting Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	8
561	Development of Long-Length BMO-Doped REBCO Coated Conductors by Hot-Wall PLD Process. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	16
560	Improved Flux Pinning for High-Field Applications in BaHfO ₃ -Doped SmBa ₂ Cu ₃ O _y -Coated Conductors With High Density of Random Pinning Centers Induced by BaHfO ₃ Nanorods. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	3
559	Enhancement of In-Field Critical Current Density of BaZrO ₃ -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	1.8	1
558	Transport properties of epitaxial films for superconductor NbN and half-metallic Heusler alloy Co ₂ MnSi under high magnetic fields. <i>Physica B: Condensed Matter</i> , 2018 , 536, 310-313	2.8	9

557	Enhancement of critical current density in AgSn-sheathed (Sr,Na)Fe ₂ As ₂ superconducting tapes. <i>Journal of Physics: Conference Series</i> , 2018 , 1054, 012045	0.3	3
556	Fabrication and characterization of CaKFe ₄ As ₄ round wires sintered at high pressure. <i>Applied Physics Express</i> , 2018 , 11, 123101	2.4	18
555	Thermal expansion and magnetostriction measurements of perovskite-type Co oxides Sr _{1-x} Y _x CO ₃ in high magnetic fields. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012109	0.3	
554	Fabrication Process and Pressure Dependence of Critical Current Density in Ba _{1-x} K _x Fe ₂ As ₂ Superconducting HIP Wires. <i>Journal of Physics: Conference Series</i> , 2018 , 1054, 012044	0.3	
553	Development and application of 2.5 GPa-25 T high-pressure high-field electron spin resonance system using a cryogen-free superconducting magnet. <i>Journal of Magnetic Resonance</i> , 2018 , 296, 1-4	3	7
552	Anisotropy of the upper critical field and its thickness dependence in superconducting FeSe electric-double-layer transistors. <i>Physical Review B</i> , 2018 , 97,	3.3	7
551	High transport current superconductivity in powder-in-tube Ba _{0.6} K _{0.4} Fe ₂ As ₂ tapes at 27 T. <i>Superconductor Science and Technology</i> , 2018 , 31, 015017	3.1	40
550	Study of Growth Process for YBa ₂ Cu ₃ O _y Coated Conductors With BaZrO ₃ Flux Pinning Centers by Monitoring Electrical Conductivity. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	1
549	Promising critical current density characteristics of Ag-sheathed (Sr,Na)Fe ₂ As ₂ tape. <i>Applied Physics Express</i> , 2018 , 11, 063101	2.4	11
548	Miniaturization of BaHfO ₃ nanoparticles in YBa ₂ Cu ₃ O _y -coated conductors using a two-step heating process in the TFA-MOD method. <i>Superconductor Science and Technology</i> , 2017 , 30, 025022	3.1	8
547	Properties of Multifilamentary MgB ₂ Wires Fabricated by Internal Magnesium Diffusion Using Amorphous and Crystalline Boron Powders. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-4	1.8	6
546	Effect of Nanorod Alignment on Flux Pinning State in BaHfO ₃ Doped SmBa ₂ Cu ₃ O _y Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	1
545	Transport properties of multifilament MgB ₂ long wires and coils prepared by an internal Mg diffusion process. <i>Superconductor Science and Technology</i> , 2017 , 30, 064003	3.1	12
544	Enhanced transport critical current density in Sn-added SmFeAsO _{1-x} F _x tapes prepared by the PIT method. <i>Superconductor Science and Technology</i> , 2017 , 30, 065004	3.1	6
543	Pin potential effect on vortex pinning in YBa ₂ Cu ₃ O _{7-x} F _x films containing nanorods: Pin size effect and mixed pinning. <i>Applied Physics Letters</i> , 2017 , 110, 052601	3.4	17
542	Design and Test Results of a Cryogenic Cooling System for a 25-T Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	11
541	Transport critical current density of high-strength Sr _{1-x} K _x Fe ₂ As ₂ /Ag/Monel composite conductors. <i>Superconductor Science and Technology</i> , 2017 , 30, 075010	3.1	11
540	First performance test of a 25 T cryogen-free superconducting magnet. <i>Superconductor Science and Technology</i> , 2017 , 30, 065001	3.1	91

539	Anomalous anisotropy of critical currents in (Sr, K)Fe ₂ As ₂ tapes. <i>Superconductor Science and Technology</i> , 2017 , 30, 035018	3.1	10
538	Strong c-axis correlated pinning and hybrid pinning in YBa ₂ Cu ₃ O ₇ films containing BaHfO ₃ nanorods and stacking faults. <i>Superconductor Science and Technology</i> , 2017 , 30, 074009	3.1	5
537	Preliminary Tests and Margin Estimate for a REBCO Insulated 10 T Insert Under High Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	8
536	Development of an 11 T BSCCO Insert Coil for a 25 T Cryogen-free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 1-1	1.8	14
535	Fabrication and Characterization of Epitaxial Films of Superconductor NbN and Highly Spin-Polarized Heusler Alloy Co ₂ Fe _{0.4} Mn _{0.6} Si. <i>IEEE Magnetics Letters</i> , 2017 , 8, 1-5	1.6	4
534	Superconducting Properties of 100-m Class Sr _{0.6} K _{0.4} Fe ₂ As ₂ Tape and Pancake Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	35
533	Strongly enhanced irreversibility field and flux pinning force density in SmBa ₂ Cu ₃ O _y -coated conductors with well-aligned BaHfO ₃ nanorods. <i>Applied Physics Express</i> , 2017 , 10, 103101	2.4	8
532	Flux pinning landscape up to 25 T in SmBa ₂ Cu ₃ O _y films with BaHfO ₃ nanorods fabricated by low-temperature growth technique. <i>Superconductor Science and Technology</i> , 2017 , 30, 104004	3.1	18
531	Temperature dependence of critical currents in REBCO thin films with artificial pinning centers. <i>Superconductor Science and Technology</i> , 2017 , 30, 104006	3.1	6
530	Present status of PIT round wires of 122-type iron-based superconductors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 279, 012028	0.4	14
529	Large and field-insensitive critical current densities in (Sr,Na)Fe ₂ As ₂ superconducting tapes. <i>Journal of Physics: Conference Series</i> , 2017 , 871, 012062	0.3	5
528	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	3.1	14
527	Approaches in controllable generation of artificial pinning center in REBa ₂ Cu ₃ O _y -coated conductor for high-flux pinning. <i>Superconductor Science and Technology</i> , 2017 , 30, 104002	3.1	22
526	Isotropic enhancement in the critical current density of YBCO thin films incorporating nanoscale Y ₂ BaCuO ₅ inclusions. <i>Journal of Applied Physics</i> , 2017 , 122, 093905	2.5	18
525	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. <i>NPG Asia Materials</i> , 2017 , 9, e447-e447	10.3	41
524	Effect of Co doping on the transport critical current density of rapidly heat-treated filamentary (Nd,Sm,Gd)BaCuO superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 539, 44-48	1.3	1
523	Strong flux pinning at 4.2 K in SmBa ₂ Cu ₃ O _y -coated conductors with BaHfO ₃ nanorods controlled by low growth temperature. <i>Superconductor Science and Technology</i> , 2017 , 30, 084009	3.1	21
522	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> , 2017 , 27, 1-4	1.8	34

521	Magnetostriction enhancement by high magnetic field annealing in cast Fe ₈₁ Ga ₁₉ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 442, 128-135	2.8	14
520	The Effect of High Magnetic Field on Electromagnetic Response and Microwave Absorption of Cobalt Particles During Annealing Process. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 463-468	1.5	3
519	Effect of Simultaneous Addition of 1D and 3D Artificial Pinning Centers in Hybrid YBa ₂ Cu ₃ O _{7-x} Multilayers. <i>Science of Advanced Materials</i> , 2017 , 9, 1042-1050	2.3	7
518	C-axis correlated pinning mechanism in vortex liquid and solid phases for Sm ₁₂₃ film with well-aligned BaHfO ₃ nanorods. <i>Superconductor Science and Technology</i> , 2017 , 30, 114005	3.1	7
517	Fabrication and superconducting properties of internal Mg diffusion processed MgB ₂ wires using MgB ₄ precursors. <i>Superconductor Science and Technology</i> , 2016 , 29, 105019	3.1	1
516	Tailoring the critical current properties in Cu-sheathed Sr _{1-x} K _x Fe ₂ As ₂ superconducting tapes. <i>Superconductor Science and Technology</i> , 2016 , 29, 095006	3.1	7
515	Improvement in J _c performance below liquid nitrogen temperature for SmBa ₂ Cu ₃ O _y superconducting films with BaHfO ₃ nano-rods controlled by low-temperature growth. <i>APL Materials</i> , 2016 , 4, 016102	5.7	42
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505	Testing of Stacked Pancake Coils for a Cryogen-Free 25-T Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 1-1	1.8	5
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26	(Nb,Ti)3Sn Multifilamentary Wires with Cu-Nb Reinforcing Stabilizer 1994 , 883-889		1
25	Effects of High Magnetic Fields on Martensitic Transformation at Cryogenic Temperatures for Various Heat Treated Stainless Steels 1994 , 1207-1213		3
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9	Angular dependence of critical current density of $YBa_2Cu_3O_{7-x}$ deltafilms in magnetic fields. <i>Superconductor Science and Technology</i> , 1991 , 4, S328-S330	3.1	4
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6	Transport and magnetic properties of $LaxSr_{1-x}TiO_3$. <i>Physica B: Condensed Matter</i> , 1990 , 165-166, 1185-1186	1.6	29
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