

Jianhua Liu

List of Publications by Year in descending order

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all docs

192
docs citations

192
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	World record 32.35 tesla direct-current magnetic field generated with an all-superconducting magnet. Superconductor Science and Technology, 2020, 33, 03LT01.	1.8	145
2	Development of Wide-Bore Conduction-Cooled Superconducting Magnet System for Material Processing Applications. IEEE Transactions on Applied Superconductivity, 2004, 14, 372-375.	1.1	51
3	Experimental investigation of the characteristics of cryogenic oscillating heat pipe. International Journal of Heat and Mass Transfer, 2014, 79, 713-719.	2.5	39
4	High Temperature Superconducting YBCO Insert for 25 T Full Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	38
5	Database of the effect of stabilizer on the resistivity and thermal conductivity of 20 different commercial REBCO tapes. Superconductor Science and Technology, 2022, 35, 045016.	1.8	33
6	Experimental investigation on the performance of a neon cryogenic oscillating heat pipe. Cryogenics, 2017, 84, 7-12.	0.9	32
7	Development and Application of Final Permanent Magnet Stirring during Continuous Casting of High Carbon Rectangular Billet. ISIJ International, 2015, 55, 2142-2149.	0.6	29
8	Development of Strain Measurement in Superconducting Magnet Through Fiber Bragg Grating. IEEE Transactions on Applied Superconductivity, 2008, 18, 1419-1422.	1.1	27
9	Preparation of textured porous Al ₂ O ₃ ceramics by slip casting in a strong magnetic field and its mechanical properties. Crystal Research and Technology, 2015, 50, 645-653.	0.6	27
10	Record High Superconductivity in Niobium-Titanium Alloy. Advanced Materials, 2019, 31, e1807240.	11.1	27
11	Preliminary Mechanical Analysis of a 9.4-T Whole-Body MRI Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-7.	1.1	26
12	A 30 kJ Bi2223 High Temperature Superconducting Magnet for SMES with Solid-Nitrogen Protection. IEEE Transactions on Applied Superconductivity, 2008, 18, 754-757.	1.1	25
13	Fabrication of NbTi Superconducting Joints for 400-MHz NMR Application. IEEE Transactions on Applied Superconductivity, 2012, 22, 4300205-4300205.	1.1	25
14	Recent Main Events in Applied Superconductivity in China. IEEE Transactions on Applied Superconductivity, 2009, 19, 1069-1080.	1.1	24
15	Effect of high magnetic field on diffusion behavior of aluminum in Ni-Al alloy. Materials Letters, 2013, 108, 340-342.	1.3	24
16	Progress in the development of a 25T all superconducting NMR magnet. Cryogenics, 2016, 79, 79-84.	0.9	24
17	Development of high magnetic field superconducting magnet technology and applications in China. Cryogenics, 2007, 47, 364-379.	0.9	23
18	High Magnetic Field Superconducting Magnet System Up to 25 T for ExCES. IEEE Transactions on Applied Superconductivity, 2013, 23, 4300905-4300905.	1.1	23

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19	Electrical properties of cold-pressing welded NbTi persistent joints. <i>Cryogenics</i> , 2013, 58, 62-67.	0.9	22
20	Progress of ultra-high-field superconducting magnets in China. <i>Superconductor Science and Technology</i> , 2022, 35, 023001.	1.8	22
21	Globally Optimal Algorithm for Design of 0.7 T Actively Shielded Whole-Body Open MRI Superconducting Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2013, 23, 4401104-4401104.	1.1	20
22	Force characteristics analysis on a superconducting sphere suspended by spherical coils. <i>Cryogenics</i> , 2007, 47, 413-417.	0.9	19
23	Prototype of the Superferric Dipoles for the Super-FRS of the FAIR-Project. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 188-191.	1.1	19
24	Design and Test of Conduction-Cooled High Homogenous Magnetic Field Superconducting Magnet for Gyrotron. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 2319-2322.	1.1	18
25	An 8 T Superconducting Split Magnet System With Large Crossing Warm Bore. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 608-611.	1.1	18
26	Structural Design of a 9.4 T Whole-Body MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4900404-4900404.	1.1	18
27	Analysis of Lithosphere Structure and Tectonics of Chinese Marginal Seas and Adjacent Regions. <i>Earth Science Frontiers</i> , 2008, 15, 55-63.	0.5	17
28	Development of Large Scale Superconducting Magnet With Very Small Stray Magnetic Field for 2 MJ SMES. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 1352-1355.	1.1	17
29	Quench Protection Design of a 1.5 T Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4703604-4703604.	1.1	17
30	Recent Development of the 25 T All-Superconducting Magnet at IEE. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.1	17
31	Insert magnet and shim coils design for a 27 T nuclear magnetic resonance spectrometer with hybrid high and low temperature superconductors. <i>Superconductor Science and Technology</i> , 2020, 33, 064004.	1.8	17
32	A novel passive shimming method for the correction of magnetic fields above the patient bed in MRI. <i>Journal of Magnetic Resonance</i> , 2015, 257, 64-69.	1.2	16
33	Study on a neon cryogenic oscillating heat pipe with long heat transport distance. <i>Heat and Mass Transfer</i> , 2018, 54, 1721-1727.	1.2	16
34	Analysis of the Torque on a Superconducting Spinning Sphere From Aspheric Factors. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 2174-2177.	1.1	15
35	Analysis of force characteristics of a superconducting ball in a given magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 756-759.	0.6	15
36	Modeling of the Superconducting Suspension System With Shaping Blocks. <i>IEEE Transactions on Applied Superconductivity</i> , 2010, 20, 47-51.	1.1	15

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37	Passive shimming of a superconducting magnet using the L1-norm regularized least square algorithm. Journal of Magnetic Resonance, 2016, 263, 122-125.	1.2	15
38	Impact of Indentation on the Critical Current of Bi2212 Round Wire. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	15
39	Analysis of Magnetic-Supported Suspension Torque Acting on Superconducting Sphere Rotor. IEEE Transactions on Applied Superconductivity, 2011, 21, 3470-3474.	1.1	14
40	Evaluation of NbTi Superconducting Joints for 400 MHz NMR Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 34-39.	1.1	14
41	Influence of the LTS Outsert Shape on AC Losses in a REBCO HTS Insert. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	14
42	Screening Current-Induced Magnetic Field in a Noninsulated GdBCO HTS Coil for a 24 T All-Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.1	14
43	Development of Conduction-Cooled High Temperature Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 2332-2335.	1.1	13
44	Effect of Pretension, Support Condition, and Cool Down on Mechanical Disturbance of Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2012, 22, 3800104-3800104.	1.1	12
45	An improved non-Cartesian partially parallel imaging by exploiting artificial sparsity. Magnetic Resonance in Medicine, 2017, 78, 271-279.	1.9	12
46	Heating Surge and Temperature Oscillation in KSTAR PF and TF Coils for Plasma Disruption Under Continuous Plasma Discharging Conditions. IEEE Transactions on Applied Superconductivity, 2004, 14, 1451-1454.	1.1	11
47	Design of Superconducting Magnet for Background Magnetic Field. IEEE Transactions on Applied Superconductivity, 2008, 18, 548-551.	1.1	11
48	Quench Protection Design of an 8-T Magnet Built With Low- and High-Temperature Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2012, 22, 4705907-4705907.	1.1	11
49	Design of Superconducting Shim Coils for a 400 MHz NMR Using Nonlinear Optimization Algorithm. IEEE Transactions on Applied Superconductivity, 2012, 22, 4900505-4900505.	1.1	11
50	The Effect of Winding Conditions on the Stress Distribution in a 10.7 T REBCO Insert for the 25.7 T Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	11
51	Stress Analysis of Winding Process, Cooling Down, and Excitation in a 10.7 T REBCO HTS Magnet. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	11
52	Geometric distortion characterization and correction for the 1.0T Australian MRI linac system using an inverse electromagnetic method. Medical Physics, 2020, 47, 1126-1138.	1.6	11
53	Design, Fabrication, and Test of a 12 T REBCO Insert for a 27 T All-Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-7.	1.1	11
54	Simulation of Spin-Axis Position Measurement of Superconducting Sphere Rotor by Fiber Optic Sensor. IEEE Transactions on Applied Superconductivity, 2008, 18, 836-839.	1.1	10

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55	Design of Adjustable Homogeneous Region Cryofree Conduction-Cooled Superconducting Magnet for Gyrotron. IEEE Transactions on Applied Superconductivity, 2009, 19, 1274-1277.	1.1	10
56	Design of Hybrid Suspension System of Superconducting and Electrostatic Suspension. IEEE Transactions on Applied Superconductivity, 2011, 21, 1502-1506.	1.1	10
57	Design of Axial Shim Coils for Magnetic Resonance Imaging. IEEE Transactions on Applied Superconductivity, 2011, 21, 2084-2087.	1.1	10
58	Mass Imbalance Measurement of Incomplete Spherical Superconducting Rotor With Air Suspension. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3318-3323.	2.4	10
59	Synergistic Effects on the Nanostrain in YBCO Films Double-Doped with Positive Mismatch Perovskite ($\text{Ba}_{2-x}\text{YNbO}_6$) and Negative Mismatch Perovskite (LaAlO_3). Crystal Growth and Design, 2020, 20, 3449-3455.	1.4	10
60	Systematic research on the effect of both positive and negative mismatch dopants in double-doped YBCO superconducting films. Journal of the European Ceramic Society, 2021, 41, 480-487.	2.8	10
61	Effect of the Cu stabilisation layer on the turn-to-turn contact resistance of a non-insulated REBCO winding. Physica C: Superconductivity and Its Applications, 2021, 590, 1353949.	0.6	10
62	Deep Structure Characteristics and Geological Evolution in Yellow Sea and Adjacent Region. Chinese Journal of Geophysics, 2003, 46, 1148-1156.	0.2	9
63	A Fiber Optic Sensor Measurement System for a Levitated Sphere-Shaped Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2010, 20, 892-895.	1.1	9
64	Conduction-Cooled Superconducting Magnet With Persistent Current Switch for Gyrotron Application. IEEE Transactions on Applied Superconductivity, 2011, 21, 2237-2240.	1.1	9
65	Study on the Stress of 500 MHz NMR Magnet Coils With Detailed FE Model. IEEE Transactions on Applied Superconductivity, 2011, 21, 2304-2307.	1.1	9
66	A Novel Target-Field Method Using LASSO Algorithm for Shim and Gradient Coil Design. IEEE Transactions on Applied Superconductivity, 2012, 22, 4900604-4900604.	1.1	9
67	Analysis of the Driving Force of a Levitated Spherical Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2012, 22, 3600904-3600904.	1.1	9
68	Analysis of Mass Unbalance Torque on a Spinning Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	9
69	Design Study on a 9.2-T NbTi Superconducting Magnet With Long-Length Uniform Axial Field. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	9
70	Design and fabrication of a catheter magnetic navigation system for cardiac arrhythmias. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	9
71	Critical Current Analysis of an YBCO Insert for Ultrahigh-Field All-Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	9
72	An actively shielded gradient coil design for use in planar MRI systems with limited space. Review of Scientific Instruments, 2018, 89, 095110.	0.6	9

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73	Design of a 30-T Superconducting Magnet for Quantum Oscillation Application. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	9
74	Refined circuit model for current distribution of the no-insulation HTS insert magnet. Superconductor Science and Technology, 2021, 34, 075002.	1.8	9
75	Actively-shielded ultrahigh field MRI/NMR superconducting magnet design. Superconductor Science and Technology, 2022, 35, 014001.	1.8	9
76	Target Field Approach for Spherical Coordinates. IEEE Transactions on Applied Superconductivity, 2004, 14, 1317-1321.	1.1	8
77	Stability Study on Cryocooler-Cooled Superconducting Magnets. IEEE Transactions on Applied Superconductivity, 2005, 15, 1699-1702.	1.1	8
78	Development of Large-Bore Superconducting Magnet With Zero-Vapor Liquid Helium. IEEE Transactions on Applied Superconductivity, 2008, 18, 787-790.	1.1	8
79	Mechanical Behavior Analysis of a 1 MJ SMES Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 1916-1919.	1.1	8
80	Effects of Drag Force of Helium Gas on a Spinning Superconducting Rotor. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 859-863.	2.4	8
81	Contact Resistance Properties of Cold-Pressing Superconducting Joints. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	8
82	The Design of Decoupled Even-Order Zonal Superconducting Shim Coils for a 9.4 T Whole-Body MRI. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-8.	1.1	8
83	Decoupling Design of Z2 Superconducting Shim Coils for 9.4-T MRI Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	8
84	Design and Thermo-Hydraulic Analysis of Upgraded PUMA System for the Development of a Test Facility of Superconducting CICC. IEEE Transactions on Applied Superconductivity, 2009, 19, 1557-1560.	1.1	7
85	Microstructure evolution of Nb ₃ Sn superconductors during diffusion treatment by bronze route. Rare Metals, 2012, 31, 446-450.	3.6	7
86	Numerical Simulation of NbTi Superconducting Joint With Cold-Pressing Welding Technology. IEEE Transactions on Applied Superconductivity, 2013, 23, 40-45.	1.1	7
87	Experimental Study for the Quench Protection System of the 9.4-T Whole-Body MRI Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 26-33.	1.1	7
88	Torque Compensation System Design for a Spherical Superconducting Rotor. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2789-2794.	2.4	7
89	Numerical Analysis of Mechanical Behavior for a 9.4-T Whole-Body MRI Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	7
90	Optimization magnetic resonance imaging shim coil using second derivative discretized stream function. Concepts in Magnetic Resonance Part B, 2017, 47B, e21352.	0.3	7

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91	Cryogenic Oscillating Heat Pipe for Conduction-Cooled Superconducting Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
92	Technical Note: Sequential combination of parallel imaging and dynamic artificial sparsity framework for rapid free-breathing golden-angle radial dynamic MRI: K ₁ ARTS-GROWL. Medical Physics, 2018, 45, 202-213.	1.6	7
93	Tesseral superconducting shim coil design with quasi-saddle geometry for use in high-field magnet system. Review of Scientific Instruments, 2019, 90, 094705.	0.6	7
94	The Optimal Target Magnetic Field Method for Passive Shimming in MRI. Journal of Superconductivity and Novel Magnetism, 2020, 33, 867-875.	0.8	7
95	Influence of current diffusion in superconducting magnet fabricated by high stabilizer aluminum on quench propagation. IEEE Transactions on Magnetics, 2002, 38, 1197-1200.	1.2	6
96	Fabrication of A 10 Tesla Cryogen-Free Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2011, 21, 1608-1611.	1.1	6
97	Active Control Method for Passing Through Critical Speeds of Rotating Superconducting Rotor by Changing Stiffness of the Supports With Use of Electromagnetic Force. IEEE Transactions on Applied Superconductivity, 2013, 23, 5201304-5201304.	1.1	6
98	Globally Optimal Superconducting Homogeneous Magnet Design for an Asymmetric 3.0 T Head MRI Scanner. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	6
99	Fabrication and Test of an 8-T Superconducting Split Magnet System With Large Crossing Warm Bore. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	6
100	A 15-T ReBCO Insert for a 30-T All Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	6
101	A Novel Control Method of Magnetic Navigation Capsule Endoscope for Gastrointestinal Examination. IEEE Transactions on Magnetics, 2022, 58, 1-9.	1.2	6
102	High-speed visualization of bubble behaviors for pool boiling of R-141b. Journal of Thermal Science, 2006, 15, 79-84.	0.9	5
103	Development of GM Cryocooler-Cooled Bi2223 High Temperature Superconducting Magnetic Separator. IEEE Transactions on Applied Superconductivity, 2007, 17, 2185-2188.	1.1	5
104	Development of Testing Device for Critical Current Measurements for HTS/LTS. IEEE Transactions on Applied Superconductivity, 2009, 19, 2325-2328.	1.1	5
105	Measurement of Superconducting Sphere Spin-Axis Position Using Fiber Optical Sensor. IEEE Transactions on Applied Superconductivity, 2010, 20, 1763-1766.	1.1	5
106	The Application of Accurate Calculation of Magnetic Field Intensity in 1.5-T Superconducting MRI Magnet Design. IEEE Transactions on Applied Superconductivity, 2012, 22, 4402206-4402206.	1.1	5
107	Faceted growth of primary Al ₂ Cu crystals during directional solidification in high magnetic field. Journal of Applied Physics, 2013, 114, .	1.1	5
108	Design and Fabrication of a Cross-Warm-Bore Split-Gap Superconducting Magnet System. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	5

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109	Effect of Si_3N_4 Initial Powder Size on Texture Development of Porous Si_3N_4 Ceramics Prepared by Gel-Casting in a Magnetic Field. Transactions of the Indian Ceramic Society, 2016, 75, 256-262.	0.4	5
110	Development of Electromagnetic Forming NbTi Superconducting Joint. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	5
111	Stress-Strain Distribution Analysis in Bi2212 Subcable Based on Numerical Modeling and Experiment. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.1	5
112	Recent advances in magnetic targeting based on high magnetic field and magnetic particles. High Voltage, 2017, 2, 220-232.	2.7	5
113	Progress of the 9.4-T Whole-Body MRI Superconducting Coils Manufacturing. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	5
114	Effects of high static magnetic field on the microstructure of Zn-Bi monotectic alloys during directional solidification process. Journal of Alloys and Compounds, 2021, 889, 161670.	2.8	5
115	Conduction-Cooled HTS Magnets Closed-Loop System Excited by a Rotating Magnets Flux Pump. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
116	Experimental and simulation studies of SCIF considering non-uniform critical current. Superconductor Science and Technology, 2022, 35, 075002.	1.8	5
117	Practical Application of Gas-Gap Thermal Switch in Conduction Cooled Superconducting Magnet System. IEEE Transactions on Applied Superconductivity, 2012, 22, 4700904-4700904.	1.1	4
118	Investigation of Orthogonal Experiment for Fabrication of a Soldering Joint for a 4-T HTS Coil. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	4
119	Open MRI Magnet With Iron Rings Correcting the Lorentz Force and Field Quality. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	4
120	Shim Coil Set for NMR Using a Novel Target Field Method Based on Trigonometric Series. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	4
121	Analysis of the Output Characteristics of a Superconducting Torquer for Drift Test. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	4
122	An Improved Starting Strategy for a Spherical Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	4
123	Synthesis of $\text{ErBa}_2\text{Cu}_3\text{O}_{7-x}$ Superconductor Solder for the Fabrication of Superconducting Joint between $\text{GdBa}_2\text{Cu}_3\text{O}_{7-x}$ Coated Conductor. Crystals, 2019, 9, 492.	1.0	4
124	A Novel Method to Eliminate the Screening Current-Induced Magnetic Field in a Non-insulated REBCO Double Pancake Coil. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1729-1735.	0.8	4
125	A volumetric finite-difference method for the design of three-dimensional, arbitrary-structured MRI gradient coil. Review of Scientific Instruments, 2021, 92, 034712.	0.6	4
126	Design and Construction of a Superconducting Gravimeter Prototype. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	4

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127	Effect of the SS304 coating layer on the electrical and thermal properties of REBCO commercial tape. Superconductor Science and Technology, 2022, 35, 094005.	1.8	4
128	Study of full-wave superconducting rectifier-type flux-pumps. IEEE Transactions on Magnetics, 1996, 32, 2699-2702.	1.2	3
129	Study on Dipole Moment in Permanent Magnet Used in Space Anti-Matter Detector. IEEE Transactions on Applied Superconductivity, 2008, 18, 972-975.	1.1	3
130	Analysis of Levitation Stability of a Superconducting Ball With Two Charging Methods. IEEE Transactions on Applied Superconductivity, 2010, 20, 888-891.	1.1	3
131	Thermal-Hydraulic Analysis of PF Coils During Plasma Discharges on EAST. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2033-2039.	0.8	3
132	Shape Optimization of Ferromagnetic Pole of a Ferromagnetic-Superconducting MRI Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	3
133	Epitaxial Growth and Characterization of Mid-frequency AC Reactive Magnetron Sputtered LaMnO ₃ Cap Layer on MgO Templates. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1861-1864.	0.8	3
134	Analysis of Damage by Quench and Improvements in Rewinding for a 9.4-T Superconducting NMR Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	3
135	Electromagnetic Design of HTS Insert for Ultrahigh Field NMR Magnet. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	3
136	Bending-Peeling Method to Measure Interface Strength of YBCO Tape. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	3
137	Bending-Peeling Method to Research the Effect of Lateral Stress on Superconductivity of REBCO Tape at Liquid-Nitrogen Temperature. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-8.	1.1	3
138	Evolution of Microstructure, Texture and Topography during Cold Rolling and Recrystallization of Ni-5at.%W Alloy Substrate for Coated Conductors. Crystals, 2019, 9, 604.	1.0	3
139	Synthesis of ultra-fine iron powder by combining the flame aerosol synthesis and postreduction. Journal of Materials Research, 2019, 34, 3964-3974.	1.2	3
140	Exploration of the Effect of Oxygen on Superconductivity in MgB ₂ Bulk by Using Boron Powder with Different Particle and Purification. Crystals, 2021, 11, 278.	1.0	3
141	Morphology transition of eutectic carbide assisted by thermoelectric magnetic force during the directional solidification of M2 high-speed steel. Ironmaking and Steelmaking, 2021, 48, 885-892.	1.1	3
142	Design and Evaluation of Magnetic Navigation Flexible Endoscope for Colorectal Treatment. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	3
143	Effect of Vertical High Magnetic Field on the Morphology of Solid-Liquid Interface during the Directional Solidification of Zn-2wt.%Bi Immiscible Alloy. Metals, 2022, 12, 875.	1.0	3
144	Simulation of dynamic stress in PF superconducting magnets for KSTAR under normal operating conditions. IEEE Transactions on Applied Superconductivity, 2003, 13, 1488-1491.	1.1	2

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145	Thermo-Hydraulic Analysis of the KSTAR Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2005, 15, 1411-1414.	1.1	2
146	Characteristics of an Improved Coil Structure for the Magnetic Stereotaxis System. IEEE Transactions on Applied Superconductivity, 2005, 15, 2344-2347.	1.1	2
147	High Temperature Superconducting Magnet for Fast Discharging Experiments. IEEE Transactions on Applied Superconductivity, 2007, 17, 2208-2211.	1.1	2
148	Study on the Electromagnetic Characteristics and AC Loss of a Spherical Superconductor Based on London Equations. IEEE Transactions on Applied Superconductivity, 2008, 18, 1345-1348.	1.1	2
149	Development of a Large Bore Superconducting Magnet With Narrow Liquid Helium Channels. IEEE Transactions on Applied Superconductivity, 2009, 19, 1989-1992.	1.1	2
150	Performance Test of Superconducting Switch for NMR Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 9502004-9502004.	1.1	2
151	Development of a Novel Hybrid Protection System for Superconducting MRI Magnets. IEEE Transactions on Applied Superconductivity, 2012, 22, 4702504-4702504.	1.1	2
152	Manufacture and Cryogenic Experiment of 9.4-T MRI Full-Size Dummy Coils. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	2
153	Study on Causes and Compensation for Speed Attenuation of a Spherical Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	2
154	Strong Cube Texture Formation in Heavily Cold-Rolled Ni8W/Ni12W/Ni8W Composite Alloy Substrates Used in YBCO Coated Conductors. Metals and Materials International, 2021, 27, 1337-1345.	1.8	2
155	A helical grid equivalent circuit model for an intra-layer no-insulation coil. Superconductor Science and Technology, 2022, 35, 085005.	1.8	2
156	Operating Characteristics of the KSTAR Superconducting TF Coil. IEEE Transactions on Applied Superconductivity, 2004, 14, 1334-1337.	1.1	1
157	Modeling of hybrid suspension system of superconducting and electrostatic suspension. , 2009, , .		1
158	Using IGBT in Quench Protection of a 2 MJ SMES Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 2083-2086.	1.1	1
159	Analysis of Temperature Rise of TF Magnet During Plasma Discharges on EAST. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	1
160	A More Efficient Driving Method for a Spherical Superconducting Rotor. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	1
161	Analysis of Current Distribution in Bi-2223/Ag Insert Pancake Coil. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.1	1
162	Residual Stress in Nb3Sn Superconductor Strand Introduced by Structure and Stoichiometric Distribution After Heat Treatment. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-9.	1.1	1

#	ARTICLE	IF	CITATIONS
163	Investigation of the melt-growth process of $\text{YbBa}_2\text{Cu}_3\text{O}_{7-\delta}$ powder in Ag-sheathed tapes. CrystEngComm, 2019, 21, 1369-1377.	1.3	1
164	A Novel Mixed Integer Programming Scheme for Passive Shimming in MRI. , 2019, , .		1
165	<i>In Situ</i> EBSD Study of Stable Cube Texture in an Advanced Composite Substrate Used in YBCO-Coated Conductors. Microscopy and Microanalysis, 2020, 26, 365-372.	0.2	1
166	In Situ EBSD Study on the Microstructural Transformation of the Ni5W Substrate for Coated Conductors. Microscopy and Microanalysis, 2021, 27, 36-43.	0.2	1
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177	Development of Split Superconducting Magnet With Large Bore for Material Processing Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	0
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179	Design of the Permanent Magnet Diverter for Deflecting Electrons on Wide-field X-ray Telescope. IEEE Transactions on Applied Superconductivity, 2020, , 1-1.	1.1	0