

# Jianhua Liu

## List of Publications by Citations

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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.

182  
papers

1,245  
citations

16  
h-index

24  
g-index

192  
ext. papers

1,468  
ext. citations

2.2  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
182	World record 32.35 tesla direct-current magnetic field generated with an all-superconducting magnet. <i>Superconductor Science and Technology</i> , <b>2020</b> , 33, 03LT01	3.1	68
181	<b>2013</b> ,		53
180	Development of wide-bore conduction-cooled superconducting magnet system for material processing applications. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 372-375	1.8	47
179	High Temperature Superconducting YBCO Insert for 25 T Full Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-5	1.8	35
178	Experimental investigation of the characteristics of cryogenic oscillating heat pipe. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 79, 713-719	4.9	31
177	Preparation of textured porous Al <sub>2</sub> O <sub>3</sub> ceramics by slip casting in a strong magnetic field and its mechanical properties. <i>Crystal Research and Technology</i> , <b>2015</b> , 50, 645-653	1.3	23
176	Recent Main Events in Applied Superconductivity in China. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 1069-1080	1.8	22
175	A 30 kJ Bi2223 High Temperature Superconducting Magnet for SMES with Solid-Nitrogen Protection. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 754-757	1.8	22
174	Experimental investigation on the performance of a neon cryogenic oscillating heat pipe. <i>Cryogenics</i> , <b>2017</b> , 84, 7-12	1.8	21
173	Development of high magnetic field superconducting magnet technology and applications in China. <i>Cryogenics</i> , <b>2007</b> , 47, 364-379	1.8	21
172	Progress in the development of a 25T all superconducting NMR magnet. <i>Cryogenics</i> , <b>2016</b> , 79, 79-84	1.8	20
171	Effect of high magnetic field on diffusion behavior of aluminum in NiAl alloy. <i>Materials Letters</i> , <b>2013</b> , 108, 340-342	3.3	20
170	Preliminary Mechanical Analysis of a 9.4-T Whole-Body MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-7	1.8	18
169	Development of Strain Measurement in Superconducting Magnet Through Fiber Bragg Grating. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 1419-1422	1.8	18
168	Analysis of Lithosphere Structure and Tectonics of Chinese Marginal Seas and Adjacent Regions. <i>Earth Science Frontiers</i> , <b>2008</b> , 15, 55-63		17
167	Force characteristics analysis on a superconducting sphere suspended by spherical coils. <i>Cryogenics</i> , <b>2007</b> , 47, 413-417	1.8	17
166	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4300205-4300205	1.8	16

165	An 8 T Superconducting Split Magnet System With Large Crossing Warm Bore. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 608-611	1.8	16
164	Prototype of the Superferric Dipoles for the Super-FRS of the FAIR-Project. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 188-191	1.8	16
163	Electrical properties of cold-pressing welded NbTi persistent joints. <i>Cryogenics</i> , <b>2013</b> , 58, 62-67	1.8	15
162	Development and Application of Final Permanent Magnet Stirring during Continuous Casting of High Carbon Rectangular Billet. <i>ISIJ International</i> , <b>2015</b> , 55, 2142-2149	1.7	15
161	Development of Large Scale Superconducting Magnet With Very Small Stray Magnetic Field for 2 MJ SMES. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1352-1355	1.8	15
160	Design and Test of Conduction-Cooled High Homogenous Magnetic Field Superconducting Magnet for Gyrotron. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2319-2322	1.8	15
159	Analysis of the Torque on a Superconducting Spinning Sphere From Aspheric Factors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2174-2177	1.8	15
158	Modeling of the Superconducting Suspension System With Shaping Blocks. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 47-51	1.8	14
157	Recent Development of the 25 T All-Superconducting Magnet at IEE. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	13
156	A novel passive shimming method for the correction of magnetic fields above the patient bed in MRI. <i>Journal of Magnetic Resonance</i> , <b>2015</b> , 257, 64-9	3	13
155	High Magnetic Field Superconducting Magnet System Up to 25 T for ExCES. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 4300905-4300905	1.8	13
154	Analysis of Magnetic-Supported Suspension Torque Acting on Superconducting Sphere Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 3470-3474	1.8	13
153	Passive shimming of a superconducting magnet using the L1-norm regularized least square algorithm. <i>Journal of Magnetic Resonance</i> , <b>2016</b> , 263, 122-125	3	12
152	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-6	1.8	12
151	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> , <b>2013</b> , 23, 4401104-4401104	1.8	12
150	Analysis of force characteristics of a superconducting ball in a given magnetic field. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 756-759	1.3	12
149	Development of conduction-cooled high temperature superconducting magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 2332-2335	1.8	11
148	Record-High Superconductivity in Niobium-Titanium Alloy. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807240	24	11

147	Study on a neon cryogenic oscillating heat pipe with long heat transport distance. <i>Heat and Mass Transfer</i> , <b>2018</b> , 54, 1721-1727	2.2	10
146	Mass Imbalance Measurement of Incomplete Spherical Superconducting Rotor With Air Suspension. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2012</b> , 61, 3318-3323	5.2	10
145	Structural Design of a 9.4 T Whole-Body MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4900404-4900404	1.8	10
144	Impact of Indentation on the Critical Current of Bi2212 Round Wire. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	9
143	Critical Current Analysis of an YBCO Insert for Ultrahigh-Field All-Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-6	1.8	9
142	Analysis of Mass Unbalance Torque on a Spinning Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-4	1.8	9
141	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 34-39	1.8	9
140	Quench Protection Design of a 1.5 T Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4703604-4703604	1.8	9
139	Design of Hybrid Suspension System of Superconducting and Electrostatic Suspension. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 1502-1506	1.8	9
138	Conduction-Cooled Superconducting Magnet With Persistent Current Switch for Gyrotron Application. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2237-2240	1.8	9
137	Design of Axial Shim Coils for Magnetic Resonance Imaging. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2084-2087	1.8	9
136	Simulation of Spin-Axis Position Measurement of Superconducting Sphere Rotor by Fiber Optic Sensor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 836-839	1.8	9
135	Deep Structure Characteristics and Geological Evolution in Yellow Sea and Adjacent Region. <i>Chinese Journal of Geophysics</i> , <b>2003</b> , 46, 1148-1156		9
134	Heating surge and temperature oscillation in KSTAR PF and TF coils for plasma disruption under continuous plasma discharging conditions. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 1451-1454	1.8	9
133	Design and Fabrication of a Catheter Magnetic Navigation System for Cardiac Arrhythmias. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 1-1	1.8	8
132	An improved non-Cartesian partially parallel imaging by exploiting artificial sparsity. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 271-279	4.4	8
131	Design of Superconducting Shim Coils for a 400 MHz NMR Using Nonlinear Optimization Algorithm. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4900505-4900505	1.8	8
130	Development of Large-Bore Superconducting Magnet With Zero-Vapor Liquid Helium. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 787-790	1.8	8

129	Design of Superconducting Magnet for Background Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 548-551	1.8	8
128	Geometric distortion characterization and correction for the 1.0T Australian MRI-linac system using an inverse electromagnetic method. <i>Medical Physics</i> , <b>2020</b> , 47, 1126-1138	4.4	8
127	Influence of the LTS Outsert Shape on AC Losses in a REBCO HTS Insert. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-6	1.8	8
126	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> , <b>2020</b> , 33, 064004	3.1	7
125	Stress Analysis of Winding Process, Cooling Down, and Excitation in a 10.7 T REBCO HTS Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	7
124	Design Study on a 9.2-T NbTi Superconducting Magnet With Long-Length Uniform Axial Field. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	7
123	Effects of Drag Force of Helium Gas on a Spinning Superconducting Rotor. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2014</b> , 63, 859-863	5.2	7
122	Microstructure evolution of Nb3Sn superconductors during diffusion treatment by bronze route. <i>Rare Metals</i> , <b>2012</b> , 31, 446-450	5.5	7
121	Design of Adjustable Homogeneous Region Cryofree Conduction-Cooled Superconducting Magnet for Gyrotron. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 1274-1277	1.8	7
120	Study on the Stress of 500 MHz NMR Magnet Coils With Detailed FE Model. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 2304-2307	1.8	7
119	Quench Protection Design of an 8-T Magnet Built With Low- and High-Temperature Superconducting Coils. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4705907-4705907	1.8	7
118	Synergistic Effects on the Nanostrain in YBCO Films Double-Doped with Positive Mismatch Perovskite (Ba2YNbO6) and Negative Mismatch Perovskite (LaAlO3). <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3449-3455	3.5	7
117	A 15-T ReBCO Insert for a 30-T All Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	6
116	Numerical Analysis of Mechanical Behavior for a 9.4-T Whole-Body MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-5	1.8	6
115	Design of a 30-T Superconducting Magnet for Quantum Oscillation Application. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-5	1.8	6
114	Design, Fabrication, and Test of a 12 T REBCO Insert for a 27 T All-Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-7	1.8	6
113	The Effect of Winding Conditions on the Stress Distribution in a 10.7 T REBCO Insert for the 25.7 T Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	6
112	Decoupling Design of Z2 Superconducting Shim Coils for 9.4-T MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	6

111	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 40-45	1.8	6
110	Experimental Study for the Quench Protection System of the 9.4-T Whole-Body MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 26-33	1.8	6
109	Torque Compensation System Design for a Spherical Superconducting Rotor. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2014</b> , 63, 2789-2794	5.2	6
108	Effect of Pretension, Support Condition, and Cool Down on Mechanical Disturbance of Superconducting Coils. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 3800104-3800104	1.8	6
107	Mechanical Behavior Analysis of a 1 MJ SMES Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1916-1919	1.8	6
106	A Fiber Optic Sensor Measurement System for a Levitated Sphere-Shaped Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 892-895	1.8	6
105	Design and Thermo-Hydraulic Analysis of Upgraded PUMA System for the Development of a Test Facility of Superconducting CICC. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 1557-1560	1.8	6
104	A Novel Target-Field Method Using LASSO Algorithm for Shim and Gradient Coil Design. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4900604-4900604	1.8	6
103	Stability study on cryocooler-cooled superconducting magnets. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 1699-1702	1.8	6
102	Contact Resistance Properties of Cold-Pressing Superconducting Joints. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	5
101	Design and Fabrication of a Cross-Warm-Bore Split-Gap Superconducting Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-5	1.8	5
100	The Design of Decoupled Even-Order Zonal Superconducting Shim Coils for a 9.4 T Whole-Body MRI. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-8	1.8	5
99	Stress/Strain Distribution Analysis in Bi2212 Subcable Based on Numerical Modeling and Experiment. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-7	1.8	5
98	Globally Optimal Superconducting Homogeneous Magnet Design for an Asymmetric 3.0 T Head MRI Scanner. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-5	1.8	5
97	Development of Testing Device for Critical Current Measurements for HTS/LTS. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 2325-2328	1.8	5
96	Analysis of the Driving Force of a Levitated Spherical Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 3600904-3600904	1.8	5
95	Development of GM Cryocooler-Cooled Bi2223 High Temperature Superconducting Magnetic Separator. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2185-2188	1.8	5
94	Target field approach for spherical coordinates. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2004</b> , 14, 1317-1321	1.8	5

93	Effect of Si <sub>3</sub> N <sub>4</sub> Initial Powder Size on Texture Development of Porous Si <sub>3</sub> N <sub>4</sub> Ceramics Prepared by Gel-Casting in a Magnetic Field. <i>Transactions of the Indian Ceramic Society</i> , <b>2016</b> , 75, 256-262	1.8	5
92	Cryogenic Oscillating Heat Pipe for Conduction-Cooled Superconducting Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	4
91	Tesseral superconducting shim coil design with quasi-saddle geometry for use in high-field magnet system. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 094705	1.7	4
90	Faceted growth of primary Al <sub>2</sub> Cu crystals during directional solidification in high magnetic field. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 154903	2.5	4
89	Optimization magnetic resonance imaging shim coil using second derivative discretized stream function <b>2017</b> , 47B, e21352		4
88	Measurement of Superconducting Sphere Spin-Axis Position Using Fiber Optical Sensor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1763-1766	1.8	4
87	High-speed visualization of bubble behaviors for pool boiling of R-141b. <i>Journal of Thermal Science</i> , <b>2006</b> , 15, 79-84	1.9	4
86	Influence of current diffusion in superconducting magnet fabricated by high stabilizer aluminum on quench propagation. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 1197-1200	2	4
85	Refined circuit model for current distribution of the no-insulation HTS insert magnet. <i>Superconductor Science and Technology</i> , <b>2021</b> , 34, 075002	3.1	4
84	Technical Note: Sequential combination of parallel imaging and dynamic artificial sparsity framework for rapid free-breathing golden-angle radial dynamic MRI: K-T ARTS-GROWL. <i>Medical Physics</i> , <b>2018</b> , 45, 202-213	4.4	4
83	Database of the effect of stabilizer on the resistivity and thermal conductivity of 20 different commercial REBCO tapes. <i>Superconductor Science and Technology</i> , <b>2022</b> , 35, 045016	3.1	4
82	Bending/Peeling Method to Measure Interface Strength of YBCO Tape. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-6	1.8	3
81	Epitaxial Growth and Characterization of Mid-frequency AC Reactive Magnetron Sputtered LaMnO <sub>3</sub> Cap Layer on MgO Templates. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 1861-1864 <sup>3</sup>	1.5	3
80	Analysis of Damage by Quench and Improvements in Rewinding for a 9.4-T Superconducting NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	3
79	Active Control Method for Passing Through Critical Speeds of Rotating Superconducting Rotor by Changing Stiffness of the Supports With Use of Electromagnetic Force. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2013</b> , 23, 5201304-5201304	1.8	3
78	Recent advances in magnetic targeting based on high magnetic field and magnetic particles. <i>High Voltage</i> , <b>2017</b> , 2, 220-232	4.1	3
77	Practical Application of Gas-Gap Thermal Switch in Conduction Cooled Superconducting Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4700904-4700904	1.8	3
76	Thermal-Hydraulic Analysis of PF Coils During Plasma Discharges on EAST. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 2033-2039	1.5	3

75	Fabrication of A 10 Tesla Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2011</b> , 21, 1608-1611	1.8	3
74	Analysis of Levitation Stability of a Superconducting Ball With Two Charging Methods. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 888-891	1.8	3
73	Study of full-wave superconducting rectifier-type flux-pumps. <i>IEEE Transactions on Magnetics</i> , <b>1996</b> , 32, 2699-2702	2	3
72	Analysis of the Output Characteristics of a Superconducting Torquer for Drift Test. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	3
71	The Optimal Target Magnetic Field Method for Passive Shimming in MRI. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2020</b> , 33, 867-875	1.5	3
70	Systematic research on the effect of both positive and negative mismatch dopants in double-doped YBCO superconducting films. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 480-487	6	3
69	Conduction-Cooled HTS Magnets Closed-Loop System Excited by a Rotating Magnets Flux Pump. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2022</b> , 32, 1-5	1.8	3
68	Synthesis of ErBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Superconductor Solder for the Fabrication of Superconducting Joint between Gd <sub>1.85</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Coated Conductor. <i>Crystals</i> , <b>2019</b> , 9, 492	2.3	2
67	Electromagnetic Design of HTS Insert for Ultrahigh Field NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	2
66	Progress of the 9.4-T Whole-Body MRI Superconducting Coils Manufacturing. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	2
65	Manufacture and Cryogenic Experiment of 9.4-T MRI Full-Size Dummy Coils. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-5	1.8	2
64	The Application of Accurate Calculation of Magnetic Field Intensity in 1.5-T Superconducting MRI Magnet Design. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4402206-4402206	1.8	2
63	Development of a Novel Hybrid Protection System for Superconducting MRI Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2012</b> , 22, 4702504-4702504	1.8	2
62	Development of a Large Bore Superconducting Magnet With Narrow Liquid Helium Channels. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 1989-1992	1.8	2
61	Study on the Electromagnetic Characteristics and AC Loss of a Spherical Superconductor Based on London Equations. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 1345-1348	1.8	2
60	Study on Dipole Moment in Permanent Magnet Used in Space Anti-Matter Detector. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2008</b> , 18, 972-975	1.8	2
59	High Temperature Superconducting Magnet for Fast Discharging Experiments. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 2208-2211	1.8	2
58	Simulation of dynamic stress in PF superconducting magnets for KSTAR under normal operating conditions. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2003</b> , 13, 1488-1491	1.8	2



57	Thermo-hydraulic analysis of the KSTAR central solenoid model coil. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 1411-1414	1.8	2
56	Characteristics of an improved coil structure for the magnetic stereotaxis system. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 2344-2347	1.8	2
55	A Novel Control Method of Magnetic Navigation Capsule Endoscope for Gastrointestinal Examination. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	2
54	A Novel Method to Eliminate the Screening Current Induced Magnetic Field in a Non-insulated REBCO Double Pancake Coil. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2020</b> , 33, 1729-1735	1.5	2
53	Exploration of the Effect of Oxygen on Superconductivity in MgB <sub>2</sub> Bulk by Using Boron Powder with Different Particle and Purification. <i>Crystals</i> , <b>2021</b> , 11, 278	2.3	2
52	A volumetric finite-difference method for the design of three-dimensional, arbitrary-structured MRI gradient coil. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 034712	1.7	2
51	Synthesis of ultra-fine iron powder by combining the flame aerosol synthesis and postreduction. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 3964-3974	2.5	2
50	An actively shielded gradient coil design for use in planar MRI systems with limited space. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 095110	1.7	2
49	Effect of the Cu stabilisation layer on the turn-to-turn contact resistance of a non-insulated REBCO winding. <i>Physica C: Superconductivity and Its Applications</i> , <b>2021</b> , 590, 1353949	1.3	2
48	Bending-Peeling Method to Research the Effect of Lateral Stress on Superconductivity of REBCO Tape at Liquid-Nitrogen Temperature. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2019</b> , 29, 1-8	1.8	1
47	Investigation of the melt-growth process of YbBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> powder in Ag-sheathed tapes. <i>CrystEngComm</i> , <b>2019</b> , 21, 1369-1377	3.3	1
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