

Jianhua Liu

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.

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	Design and construction of a superconducting gravimeter prototype. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
181	Effects of high static magnetic field on the microstructure of Zn-Bi monotectic alloys during directional solidification process. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161670	5.7	1
180	Database of the effect of stabilizer on the resistivity and thermal conductivity of 20 different commercial REBCO tapes. <i>Superconductor Science and Technology</i> , 2022 , 35, 045016	3.1	4
179	Conduction-Cooled HTS Magnets Closed-Loop System Excited by a Rotating Magnets Flux Pump. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 32, 1-5	1.8	3
178	Progress of ultra-high-field superconducting magnets in China. <i>Superconductor Science and Technology</i> , 2022 , 35, 023001	3.1	1
177	Design and Evaluation of Magnetic Navigation Flexible Endoscope for Colorectal Treatment. <i>IEEE Transactions on Applied Superconductivity</i> , 2022 , 1-1	1.8	1
176	Experimental and simulation studies of SCIF considering non-uniform critical current. <i>Superconductor Science and Technology</i> , 2022 , 35, 075002	3.1	
175	Effect of Vertical High Magnetic Field on the Morphology of Solid-Liquid Interface during the Directional Solidification of Zn-2wt.%Bi Immiscible Alloy. <i>Metals</i> , 2022 , 12, 875	2.3	
174	A Novel Control Method of Magnetic Navigation Capsule Endoscope for Gastrointestinal Examination. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	2
173	Exploration of the Effect of Oxygen on Superconductivity in MgB ₂ Bulk by Using Boron Powder with Different Particle and Purification. <i>Crystals</i> , 2021 , 11, 278	2.3	2
172	Morphology transition of eutectic carbide assisted by thermoelectric magnetic force during the directional solidification of M2 high-speed steel. <i>Ironmaking and Steelmaking</i> , 2021 , 48, 885-892	1.3	0
171	A volumetric finite-difference method for the design of three-dimensional, arbitrary-structured MRI gradient coil. <i>Review of Scientific Instruments</i> , 2021 , 92, 034712	1.7	2
170	Refined circuit model for current distribution of the no-insulation HTS insert magnet. <i>Superconductor Science and Technology</i> , 2021 , 34, 075002	3.1	4
169	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> , 2021 , 41, 480-487	6	3
168	Strong Cube Texture Formation in Heavily Cold-Rolled Ni ₈ W/Ni ₁₂ W/Ni ₈ W Composite Alloy Substrates Used in YBCO Coated Conductors. <i>Metals and Materials International</i> , 2021 , 27, 1337-1345	2.4	1
167	EBSD Study on the Microstructural Transformation of the Ni ₅ W Substrate for Coated Conductors. <i>Microscopy and Microanalysis</i> , 2021 , 27, 36-43	0.5	0
166	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> , 2021 , 590, 1353949	1.3	2

165	A high efficiency protecting scheme for HTS inserts in case of background magnet quenches. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	0
164	EBSD Study of Stable Cube Texture in an Advanced Composite Substrate Used in YBCO-Coated Conductors. <i>Microscopy and Microanalysis</i> , 2020 , 26, 365-372	0.5	0
163	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	3.1	7
162	Design, Fabrication, and Test of a 12 T REBCO Insert for a 27 T All-Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-7	1.8	6
161	World record 32.35 tesla direct-current magnetic field generated with an all-superconducting magnet. <i>Superconductor Science and Technology</i> , 2020 , 33, 03LT01	3.1	68
160	Design of the Permanent Magnet Diverter for Deflecting Electrons on Wide-Field X-Ray Telescope. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 1-1	1.8	
159	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> , 2020 , 33, 1729-1735	1.5	2
158	Geometric distortion characterization and correction for the 1.0T Australian MRI-linac system using an inverse electromagnetic method. <i>Medical Physics</i> , 2020 , 47, 1126-1138	4.4	8
157	The Optimal Target Magnetic Field Method for Passive Shimming in MRI. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020 , 33, 867-875	1.5	3
156	Synergistic Effects on the Nanostrain in YBCO Films Double-Doped with Positive Mismatch Perovskite (Ba ₂ YNbO ₆) and Negative Mismatch Perovskite (LaAlO ₃). <i>Crystal Growth and Design</i> , 2020 , 20, 3449-3455	3.5	7
155	Synthesis of ErBa ₂ Cu ₃ O ₇ Superconductor Solder for the Fabrication of Superconducting Joint between Gd _{1.85} Ba ₂ Cu ₃ O ₇ -Coated Conductor. <i>Crystals</i> , 2019 , 9, 492	2.3	2
154	Design of a 30-T Superconducting Magnet for Quantum Oscillation Application. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	6
153	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> , 2019 , 29, 1-8	1.8	1
152	Investigation of the melt-growth process of YbBa ₂ Cu ₃ O ₇ powder in Ag-sheathed tapes. <i>CrystEngComm</i> , 2019 , 21, 1369-1377	3.3	1
151	Tesseral superconducting shim coil design with quasi-saddle geometry for use in high-field magnet system. <i>Review of Scientific Instruments</i> , 2019 , 90, 094705	1.7	4
150	Evolution of Microstructure, Texture and Topography during Cold Rolling and Recrystallization of Ni ₈₁ Al ₁₉ W Alloy Substrate for Coated Conductors. <i>Crystals</i> , 2019 , 9, 604	2.3	1
149	Synthesis of ultra-fine iron powder by combining the flame aerosol synthesis and postreduction. <i>Journal of Materials Research</i> , 2019 , 34, 3964-3974	2.5	2
148	Record-High Superconductivity in Niobium-Titanium Alloy. <i>Advanced Materials</i> , 2019 , 31, e1807240	24	11

147	Optimization of a Novel Melt-Growth Heat Treatment of YbBa ₂ Cu ₃ O _{7-x} Ag Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-4	1.8	
146	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> , 2018 , 28, 1-5	1.8	6
145	Electromagnetic Design of HTS Insert for Ultrahigh Field NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	2
144	Recent Development of the 25 T All-Superconducting Magnet at IEE. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	13
143	Cryogenic Oscillating Heat Pipe for Conduction-Cooled Superconducting Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	4
142	Study on a neon cryogenic oscillating heat pipe with long heat transport distance. <i>Heat and Mass Transfer</i> , 2018 , 54, 1721-1727	2.2	10
141	Progress of the 9.4-T Whole-Body MRI Superconducting Coils Manufacturing. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	2
140	Bending/Peeling Method to Measure Interface Strength of YBCO Tape. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	3
139	An Improved Starting Strategy for a Spherical Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	
138	Stress Analysis of Winding Process, Cooling Down, and Excitation in a 10.7 T REBCO HTS Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	7
137	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> , 2018 , 45, 202-213	4.4	4
136	An actively shielded gradient coil design for use in planar MRI systems with limited space. <i>Review of Scientific Instruments</i> , 2018 , 89, 095110	1.7	2
135	Study on Causes and Compensation for Speed Attenuation of a Spherical Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	
134	Residual Stress in Nb ₃ Sn Superconductor Strand Introduced by Structure and Stoichiometric Distribution After Heat Treatment. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-9	1.8	0
133	A 15-T ReBCO Insert for a 30-T All Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	6
132	Experimental investigation on the performance of a neon cryogenic oscillating heat pipe. <i>Cryogenics</i> , 2017 , 84, 7-12	1.8	21
131	Numerical Analysis of Mechanical Behavior for a 9.4-T Whole-Body MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	6
130	. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-6	1.8	12

129	An improved non-Cartesian partially parallel imaging by exploiting artificial sparsity. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 271-279	4.4	8
128	Optimization magnetic resonance imaging shim coil using second derivative discretized stream function 2017 , 47B, e21352		4
127	Recent advances in magnetic targeting based on high magnetic field and magnetic particles. <i>High Voltage</i> , 2017 , 2, 220-232	4.1	3
126	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> , 2016 , 26, 1-8	1.8	5
125	Progress in the development of a 25T all superconducting NMR magnet. <i>Cryogenics</i> , 2016 , 79, 79-84	1.8	20
124	Development of Electromagnetic Forming NbTi Superconducting Joint. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	1
123	Epitaxial Growth and Characterization of Mid-frequency AC Reactive Magnetron Sputtered LaMnO3 Cap Layer on MgO Templates. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016 , 29, 1861-1864 ³	1.5	3
122	Passive shimming of a superconducting magnet using the L1-norm regularized least square algorithm. <i>Journal of Magnetic Resonance</i> , 2016 , 263, 122-125	3	12
121	Design and Fabrication of a Catheter Magnetic Navigation System for Cardiac Arrhythmias. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 1-1	1.8	8
120	Impact of Indentation on the Critical Current of Bi2212 Round Wire. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	9
119	Stress-Strain Distribution Analysis in Bi2212 Subcable Based on Numerical Modeling and Experiment. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-7	1.8	5
118	Development of Split Superconducting Magnet With Large Bore for Material Processing Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	
117	Decoupling Design of Z2 Superconducting Shim Coils for 9.4-T MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	6
116	Manufacture and Cryogenic Experiment of 9.4-T MRI Full-Size Dummy Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	2
115	Critical Current Analysis of an YBCO Insert for Ultrahigh-Field All-Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-6	1.8	9
114	Analysis of Damage by Quench and Improvements in Rewinding for a 9.4-T Superconducting NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	3
113	Effect of Si3N4 Initial Powder Size on Texture Development of Porous Si3N4 Ceramics Prepared by Gel-Casting in a Magnetic Field. <i>Transactions of the Indian Ceramic Society</i> , 2016 , 75, 256-262	1.8	5
112	Analysis of the Output Characteristics of a Superconducting Torquer for Drift Test. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	3

111	Influence of the LTS Outsert Shape on AC Losses in a REBCO HTS Insert. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-6	1.8	8
110	An Displacement Transducer for a Superconducting and Electrostatic Hybrid Suspension System. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	
109	Shape Optimization of Ferromagnetic Pole of a Ferromagnetic-Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	1
108	Contact Resistance Properties of Cold-Pressing Superconducting Joints. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	5
107	Analysis of Current Distribution in Bi-2223/Ag Insert Pancake Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-6	1.8	1
106	High Temperature Superconducting YBCO Insert for 25 T Full Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	35
105	Design and Fabrication of a Cross-Warm-Bore Split-Gap Superconducting Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	5
104	Preliminary Mechanical Analysis of a 9.4-T Whole-Body MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-7	1.8	18
103	Preparation of textured porous Al ₂ O ₃ ceramics by slip casting in a strong magnetic field and its mechanical properties. <i>Crystal Research and Technology</i> , 2015 , 50, 645-653	1.3	23
102	Development and Application of Final Permanent Magnet Stirring during Continuous Casting of High Carbon Rectangular Billet. <i>ISIJ International</i> , 2015 , 55, 2142-2149	1.7	15
101	Design Study on a 9.2-T NbTi Superconducting Magnet With Long-Length Uniform Axial Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	7
100	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, 64-9	3	13
99	Fabrication and Test of an 8-T Superconducting Split Magnet System With Large Crossing Warm Bore. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	1
98	A More Efficient Driving Method for a Spherical Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	
97	Open MRI Magnet With Iron Rings Correcting the Lorentz Force and Field Quality. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	
96	Experimental investigation of the characteristics of cryogenic oscillating heat pipe. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 79, 713-719	4.9	31
95	Shim Coil Set for NMR Using a Novel Target Field Method Based on Trigonometric Series. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	1
94	Globally Optimal Superconducting Homogeneous Magnet Design for an Asymmetric 3.0 T Head MRI Scanner. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	5

93	Analysis of Temperature Rise of TF Magnet During Plasma Discharges on EAST. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	1
92	Analysis of Mass Unbalance Torque on a Spinning Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-4	1.8	9
91	Torque Compensation System Design for a Spherical Superconducting Rotor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 2789-2794	5.2	6
90	Effects of Drag Force of Helium Gas on a Spinning Superconducting Rotor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 859-863	5.2	7
89	Investigation of Orthogonal Experiment for Fabrication of a Soldering Joint for a 4-T HTS Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	1
88	Effect of high magnetic field on diffusion behavior of aluminum in NiAl alloy. <i>Materials Letters</i> , 2013 , 108, 340-342	3.3	20
87	. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 34-39	1.8	9
86	. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 40-45	1.8	6
85	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> , 2013 , 23, 5201304-5201304	1.8	3
84	Faceted growth of primary Al ₂ Cu crystals during directional solidification in high magnetic field. <i>Journal of Applied Physics</i> , 2013 , 114, 154903	2.5	4
83	Experimental Study for the Quench Protection System of the 9.4-T Whole-Body MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 26-33	1.8	6
82	Electrical properties of cold-pressing welded NbTi persistent joints. <i>Cryogenics</i> , 2013 , 58, 62-67	1.8	15
81	Development of Nb_3Sn Superconducting Coil Manufacture Technology. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 4401204-4401204	1.8	
80	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	1.8	12
79	High Magnetic Field Superconducting Magnet System Up to 25 T for ExCES. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 4300905-4300905	1.8	13
78	Finite Element Analysis for the Magnetostatic Field 2013 , 39-88		1
77	2013 ,		53
76	The Application of Accurate Calculation of Magnetic Field Intensity in 1.5-T Superconducting MRI Magnet Design. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4402206-4402206	1.8	2

75	Performance Test of Superconducting Switch for NMR Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 9502004-9502004	1.8	1
74	. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4300205-4300205	1.8	16
73	Effect of Pretension, Support Condition, and Cool Down on Mechanical Disturbance of Superconducting Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 3800104-3800104	1.8	6
72	Practical Application of Gas-Gap Thermal Switch in Conduction Cooled Superconducting Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4700904-4700904	1.8	3
71	Development of a Novel Hybrid Protection System for Superconducting MRI Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4702504-4702504	1.8	2
70	Quench Protection Design of a 1.5 T Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4703604-4703604	1.8	9
69	Mass Imbalance Measurement of Incomplete Spherical Superconducting Rotor With Air Suspension. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012 , 61, 3318-3323	5.2	10
68	Microstructure evolution of Nb3Sn superconductors during diffusion treatment by bronze route. <i>Rare Metals</i> , 2012 , 31, 446-450	5.5	7
67	Thermal-Hydraulic Analysis of PF Coils During Plasma Discharges on EAST. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 2033-2039	1.5	3
66	Quench Protection Design of an 8-T Magnet Built With Low- and High-Temperature Superconducting Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4705907-4705907	1.8	7
65	A Novel Target-Field Method Using LASSO Algorithm for Shim and Gradient Coil Design. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4900604-4900604	1.8	6
64	Structural Design of a 9.4 T Whole-Body MRI Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4900404-4900404	1.8	10
63	Analysis of the Driving Force of a Levitated Spherical Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 3600904-3600904	1.8	5
62	Design of Superconducting Shim Coils for a 400 MHz NMR Using Nonlinear Optimization Algorithm. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4900505-4900505	1.8	8
61	Design of Hybrid Suspension System of Superconducting and Electrostatic Suspension. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 1502-1506	1.8	9
60	Fabrication of A 10 Tesla Cryogen-Free Superconducting Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 1608-1611	1.8	3
59	Analysis of Magnetic-Supported Suspension Torque Acting on Superconducting Sphere Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 3470-3474	1.8	13
58	Conduction-Cooled Superconducting Magnet With Persistent Current Switch for Gyrotron Application. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2237-2240	1.8	9

57	Design of Axial Shim Coils for Magnetic Resonance Imaging. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2084-2087	1.8	9
56	Study on the Stress of 500 MHz NMR Magnet Coils With Detailed FE Model. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2304-2307	1.8	7
55	Mechanical Behavior Analysis of a 1 MJ SMES Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1916-1919	1.8	6
54	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	1.8	15
53	Using IGBT in Quench Protection of a 2 MJ SMES Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 2083-2086	1.8	1
52	Measurement of Superconducting Sphere Spin-Axis Position Using Fiber Optical Sensor. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1763-1766	1.8	4
51	An 8 T Superconducting Split Magnet System With Large Crossing Warm Bore. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 608-611	1.8	16
50	Modeling of the Superconducting Suspension System With Shaping Blocks. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 47-51	1.8	14
49	Analysis of Levitation Stability of a Superconducting Ball With Two Charging Methods. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 888-891	1.8	3
48	A Fiber Optic Sensor Measurement System for a Levitated Sphere-Shaped Superconducting Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 892-895	1.8	6
47	Prototype of the Superferric Dipoles for the Super-FRS of the FAIR-Project. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 188-191	1.8	16
46	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> , 2009 , 19, 1557-1560	1.8	6
45	Modeling of hybrid suspension system of superconducting and electrostatic suspension 2009 ,		1
44	Development of a Large Bore Superconducting Magnet With Narrow Liquid Helium Channels. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1989-1992	1.8	2
43	Development of Testing Device for Critical Current Measurements for HTS/LTS. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 2325-2328	1.8	5
42	Design of Adjustable Homogeneous Region Cryofree Conduction-Cooled Superconducting Magnet for Gyrotron. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1274-1277	1.8	7
41	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	1.3	12
40	Recent Main Events in Applied Superconductivity in China. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1069-1080	1.8	22

39	Study on the Electromagnetic Characteristics and AC Loss of a Spherical Superconductor Based on London Equations. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 1345-1348	1.8	2
38	Development of Large-Bore Superconducting Magnet With Zero-Vapor Liquid Helium. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 787-790	1.8	8
37	Analysis of Lithosphere Structure and Tectonics of Chinese Marginal Seas and Adjacent Regions. <i>Earth Science Frontiers</i> , 2008 , 15, 55-63		17
36	Simulation of Spin-Axis Position Measurement of Superconducting Sphere Rotor by Fiber Optic Sensor. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 836-839	1.8	9
35	A 30 kJ Bi2223 High Temperature Superconducting Magnet for SMES with Solid-Nitrogen Protection. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 754-757	1.8	22
34	Study on Dipole Moment in Permanent Magnet Used in Space Anti-Matter Detector. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 972-975	1.8	2
33	Development of Strain Measurement in Superconducting Magnet Through Fiber Bragg Grating. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 1419-1422	1.8	18
32	Design of Superconducting Magnet for Background Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2008 , 18, 548-551	1.8	8
31	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	1.8	15
30	Force characteristics analysis on a superconducting sphere suspended by spherical coils. <i>Cryogenics</i> , 2007 , 47, 413-417	1.8	17
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