Xiaotao Han

List of Publications by Year
in descending order

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158 papers	2,360 citations	201658 27 h-index	265191 42 g-index
159 all docs	159 docs citations	159 times ranked	1754 citing authors

#	Article	IF	Citations
1	The importance of coil conductivity and eddy current effects in the analysis of electromagnetic forming process. High Voltage, 2022, 7, 390-404.	4.7	13
2	Toward better metal flow control in electrohydraulic sheet forming by combining with electromagnetic approach. Journal of Materials Processing Technology, 2022, 299, 117343.	6.3	6
3	A New Approach for Solving the False Balance of a Closed-Loop Fluxgate Current Transducer. IEEE Transactions on Industrial Electronics, 2022, 69, 2147-2152.	7.9	2
4	Influence of Trigger Pulse on the Trigger Characteristics of Surface Flashover Trigger Vacuum Switch. IEEE Transactions on Plasma Science, 2022, 50, 116-123.	1.3	7
5	Systematic investigation of deformation behavior of tubes in a three-coil electromagnetic forming process. International Journal of Advanced Manufacturing Technology, 2022, 119, 5163.	3.0	0
6	Reentrant ferroelectric phase induced by a tilting high magnetic field in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>3</mml:mn></mml:r mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	3.2	4
7	A Novel Design of Multi-Coil Pulsed Magnet System for 100 T. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	7
8	Mode Excitation in Gyrotrons With Triode-Type Electron Guns. IEEE Transactions on Electron Devices, 2022, 69, 785-791.	3.0	1
9	Relaxation of the Residual Stress in an Aluminum Alloy Ring by Electromagnetic Bulging Methods. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
10	Analysis and Design of the Control Sequence for an Ultrahigh Magnetic Field System. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0
11	Production and use of adaptive pulsed Lorentz force for multi-step electromagnetic sheet metal forming: method, experimental validation, and application. International Journal of Advanced Manufacturing Technology, 2022, 120, 5521-5536.	3.0	4
12	Globally Optimal Algorithm of Superconducting Magnet Design for Gyrotrons. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
13	Reliability Analysis of a Pulsed High Magnetic Field Facility at WHMFC. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	1
14	Toward Flexible Actuator Design for Electromagnetic Flanging of Sheet and Tube Metal. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	0
15	Evaluation of emission inhomogeneity of gyrotron scandate cathodes. Vacuum, 2022, 202, 111147.	3.5	1
16	Data-driven method for process optimization in electromagnetic-electrohydraulic hybrid high-velocity sheet metal forming. International Journal of Advanced Manufacturing Technology, 2022, 121, 4355-4365.	3.0	1
17	Smart water-based ferrofluid with stable state transition property: Preparation and its application in anionic dye removal. Journal of Cleaner Production, 2021, 287, 125003.	9.3	14
18	Electromagnetic forming of aluminum alloy sheet metal utilizing a low-frequency discharge: A new method for attractive forming. Journal of Materials Processing Technology, 2021, 291, 117001.	6.3	23

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19	Influence of Misalignment on the Behavior of Electron Beam of an 800 GHz Gyrotron. IEEE Electron Device Letters, 2021, 42, 1662-1665.	3.9	10
20	Improving the uniformity and controllability of tube deformation via a three-coil forming system. International Journal of Advanced Manufacturing Technology, 2021, 114, 1533-1544.	3.0	9
21	Pulsed-field nuclear magnetic resonance: Status and prospects. Matter and Radiation at Extremes, 2021, 6, .	3.9	11
22	Phillygenin protects against osteoarthritis by repressing inflammation via PI3K/Akt/NF-ÎºB signaling: In vitro and vivo studies. Journal of Functional Foods, 2021, 80, 104456.	3.4	10
23	Dynamic electromagnetic buckling analysis of pulsed magnets. Thin-Walled Structures, 2021, 162, 107621.	5.3	4
24	Numerical and experimental verification of an iterative coupling method for analyzing the Lorentz-force-driven sheet metal stamping process. International Journal of Advanced Manufacturing Technology, 2021, 115, 2161-2173.	3.0	3
25	Fully redundant auxiliary system for gyrotron-based terahertz sources in long-term operation. Review of Scientific Instruments, 2021, 92, 054711.	1.3	3
26	Fast Transient Harmonic Selective Extraction Based on Modulation-CDSC-SDFT. , 2021, , .		2
27	Ferroelectric polarization reversal in multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnWO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> via a rotating magnetic field up to 52 T. Physical Review B, 2021, 104, .	3.2	6
28	Adjustable current waveform via altering the damping coefficient: A new way to reduce Joule heating in electromagnetic forming coils. Journal of Materials Processing Technology, 2021, 293, 117086.	6.3	17
29	Fabrication of titanium bipolar plates for proton exchange membrane fuel cells by uniform pressure electromagnetic forming. International Journal of Hydrogen Energy, 2021, 46, 38768-38781.	7.1	21
30	Reconfigurable magnetic soft robots with multimodal locomotion. Nano Energy, 2021, 87, 106169.	16.0	70
31	Coil-less electromagnetic forming process with uniform-pressure characteristics for shaping sheet metals. Journal of Manufacturing Processes, 2021, 70, 140-151.	5.9	2
32	Nuciferine attenuates the progression of osteoarthritis by targeting PI3K/Akt/NF-ÎºB signaling pathway. Journal of Functional Foods, 2021, 86, 104682.	3.4	6
33	Shadowing of the operating mode by sidebands in gyrotrons with diode-type electron guns. Physics of Plasmas, 2021, 28, 013110.	1.9	2
34	Design and Fabrication of a High-Performance Magnetic Actuator for Magnetic Pulse Welding of Metal Tubes with Large Diameters. Minerals, Metals and Materials Series, 2021, , 1291-1303.	0.4	1
35	Magnetron Injection Gun for an 800 GHz Pulsed Gyrotron. , 2021, , .		0
36	A low-jitter timing generator based on completely on-chip self-measurement and calibration in a field programmable gate array. Review of Scientific Instruments, 2021, 92, 114703.	1.3	3

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37	Bulging behavior of metallic tubes during the electromagnetic forming process in the presence of a background magnetic field. Journal of Materials Processing Technology, 2020, 276, 116411.	6.3	26
38	Recent advances in manipulation of micro- and nano-objects with magnetic fields at small scales. Materials Horizons, 2020, 7, 638-666.	12.2	101
39	Realization of High-Stability Flat-Top Pulsed Magnetic Fields by a Bypass Circuit of IGBTs in the Active Region. IEEE Transactions on Power Electronics, 2020, 35, 2436-2444.	7.9	19
40	An investigation of Zr-based bulk metallic glasses as bipolar plates for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2020, 45, 3132-3144.	7.1	14
41	Investigation of the electromagnetic attractive forming utilizing a dual-coil system for tube bulging. Journal of Manufacturing Processes, 2020, 49, 102-115.	5.9	37
42	Numerical and Experimental Verification of a Pulsed Magnet for an 800-GHz Gyrotron. IEEE Transactions on Electron Devices, 2020, 67, 4460-4466.	3.0	7
43	Density-Based High-Sensitivity Measurement and Separation via Axial Magnetic Levitation. IEEE Sensors Journal, 2020, 20, 14065-14071.	4.7	7
44	Effects of the inner/outer diameters of flat spiral coils on electromagnetic sheet metal formation. International Journal of Advanced Manufacturing Technology, 2020, 109, 1541-1551.	3.0	6
45	Two-dimensional ferromagnetism in CrTe flakes down to atomically thin layers. Nanoscale, 2020, 12, 16427-16432.	5.6	62
46	Zones of soft and hard self-excitation in gyrotrons: Generalized approach. Physics of Plasmas, 2020, 27, .	1.9	7
47	Expanding the homogeneous regime of deformation in bulk metallic glass by electromigration-induced rejuvenation. Communications Materials, 2020, 1, .	6.9	8
48	A chondroprotective effect of moracin on IL-1Î²-induced primary rat chondrocytes and an osteoarthritis rat model through Nrf2/HO-1 and NF-ÎºB axes. Food and Function, 2020, 11, 7935-7945.	4.6	19
49	Design of Power Supply System Applied for Electroplastic Effect Research of BMGs with Temperature Control Function. , 2020, , .		2
50	Proximityâ€Couplingâ€Induced Significant Enhancement of Coercive Field and Curie Temperature in 2D van der Waals Heterostructures. Advanced Materials, 2020, 32, e2002032.	21.0	96
51	Investigation of the Alignment Method for High-Frequency Gyrotrons. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 460-465.	3.1	8
52	A Current-Injection-Based Approach for Reducing Power Loss of the IGBTs in FTPMF System Driven by Battery-Bank. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	1
53	Improvement on formability and forming accuracy in electromagnetic forming of deep-cavity sheet metal part using a dual-coil system. Journal of Manufacturing Processes, 2020, 57, 209-221.	5.9	20
54	A broad range frequency measurement method for continuous and pulsed THz waves. Review of Scientific Instruments, 2020, 91, 014710.	1.3	6

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55	A Uniform Pressure Actuator With High Forming Efficiency Based on the Pulsed Magnet Manufacturing Technique. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	3
56	Pulsed Magnet Design and Fabrication for Generating Background Magnetic Field in Discharge Current-Based Forming. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	1
57	Optimization Design of Flat-Top Pulsed Magnet for an 800-GHz Second Harmonic Gyrotron. IEEE Transactions on Electron Devices, 2020, 67, 1234-1239.	3.0	5
58	Lipase Immobilized on a Novel Rigidâ€“Flexible Dendrimer-Grafted Hierarchically Porous Magnetic Microspheres for Effective Resolution of (R,S)-1-Phenylethanol. ACS Applied Materials & Interfaces, 2020, 12, 4906-4916.	8.0	23
59	Analysis of the Open-Loop Linear Range and Construction of the Small-Signal Model of DCCT Applied to the FTPMF System. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	1
60	An inner-field uniform pressure actuator with high performance and its application to titanium bipolar plate forming. International Journal of Machine Tools and Manufacture, 2020, 155, 103570.	13.4	25
61	Magnetically tunable distribution pattern of magnetic particles in a micro-particle sedimentation system. Powder Technology, 2020, 370, 147-158.	4.2	3
62	Numerical simulation and experimental results of radial Lorentz force assisted electro-hydraulic sheet forming process. , 2020, , .		0
63	Analytical optimization on geometry of uniform pressure coil in electromagnetic forming and welding. International Journal of Advanced Manufacturing Technology, 2019, 104, 3129-3137.	3.0	9
64	Enhanced performance of lipase immobilized onto Co2+-chelated magnetic nanoparticles and its application in biodiesel production. Fuel, 2019, 255, 115794.	6.4	42
65	Investigation on deformation control of sheet metal in radial Lorentz force augmented deep drawing. International Journal of Advanced Manufacturing Technology, 2019, 105, 2369-2381.	3.0	7
66	Frequency Measurement for Terahertz Waves Based on High Magnetic Field Technology. , 2019, , .		1
67	Investigation of accurate forming of a semi-ellipsoidal shell part by an electromagnetic forming method. International Journal of Advanced Manufacturing Technology, 2019, 105, 1113-1128.	3.0	3
68	Magnetoresistance Measurement of Topological Quantum Materials in Pulsed High Magnetic Field. , 2019, , .		0
69	Tuning the Thermoelectric Performance of SnTe via Dual-Site Electronic Donation and Super-Saturation Solution. ACS Applied Energy Materials, 2019, 2, 7490-7496.	5.1	11
70	Controllable pulsed electromagnetic blank holder method for electromagnetic sheet metal forming. International Journal of Advanced Manufacturing Technology, 2019, 103, 4507-4517.	3.0	9
71	Effects of air on metallic sheet deformation by electromagnetic forming. International Journal of Advanced Manufacturing Technology, 2019, 103, 311-324.	3.0	10
72	Investigation of the Lorentz-force-driven sheet metal stamping process for cylindrical cup forming. Journal of Materials Processing Technology, 2019, 271, 532-541.	6.3	61

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73	The effect of coil polarity on electromagnetic forming using a multi-coil system. International Journal of Advanced Manufacturing Technology, 2019, 103, 1555-1566.	3.0	11
74	Electro-Thermal Modeling and Design of High-Current Pulse Power Supply for Electrically Assisted Manufacturing. IEEE Access, 2019, 7, 160377-160384.	4.2	1
75	Analysis of the effect of an electrically conductive die on electromagnetic sheet metal forming process using the finite element-circuit coupled method. International Journal of Advanced Manufacturing Technology, 2019, 101, 549-563.	3.0	52
76	A comparative study on the effects of boundary constraints on electromagnetic sheet forming. International Journal of Advanced Manufacturing Technology, 2019, 101, 2785-2793.	3.0	7
77	Insight into analytical modeling of electromagnetic forming. International Journal of Advanced Manufacturing Technology, 2019, 101, 2585-2607.	3.0	10
78	Disaggregation and separation dynamics of magnetic particles in a microfluidic flow under an alternating gradient magnetic field. Journal Physics D: Applied Physics, 2018, 51, 195002.	2.8	16
79	Implementation of an Advanced Control and Data Acquisition System for the 100 T Pulsed Magnet at WHMFC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	2
80	Analysis of Electromagnetic Force and Deformation Behavior in Electromagnetic Tube Expansion With Concave Coil Based on Finite Element Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	36
81	Rotational motion and lateral migration of an elliptical magnetic particle in a microchannel under a uniform magnetic field. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	28
82	Non-contact electrical resistivity measuring system based on BP neural network. , 2018, , .		1
83	Predicting the failure of pulsed magnets. Review of Scientific Instruments, 2018, 89, 124705.	1.3	4
84	Principle and realization of an electromagnetic pulse welding system with a dual-stage coil. International Journal of Applied Electromagnetics and Mechanics, 2018, 57, 389-398.	0.6	4
85	Electromagnetic pulse spot welding of aluminum to stainless steel sheets with a field shaper. International Journal of Advanced Manufacturing Technology, 2018, 98, 1903-1911.	3.0	31
86	Research of thermal loads in plate forming coil during repeated electromagnetic forming process. , 2018, , .		1
87	Tunable, Sheathless Focusing of Diamagnetic Particles in Ferrofluid Microflows with a Single Set of Overhead Permanent Magnets. Analytical Chemistry, 2018, 90, 8600-8606.	6.5	30
88	Investigation on plastic deformation behavior of sheet workpiece during radial Lorentz force augmented deep drawing process. Journal of Materials Processing Technology, 2017, 245, 193-206.	6.3	44
89	Dynamic motion analysis of magnetic particles in microfluidic systems under an external gradient magnetic field. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	28
90	Electromagnetic cold-expansion process for circular holes in aluminum alloy sheets. Journal of Materials Processing Technology, 2017, 248, 49-55.	6.3	24

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91	Performance analysis of a microfluidic mixer based on high gradient magnetic separation principles. Journal Physics D: Applied Physics, 2017, 50, 365004.	2.8	10
92	Burkholderia cepacia lipase immobilized on heterofunctional magnetic nanoparticles and its application in biodiesel synthesis. Scientific Reports, 2017, 7, 16473.	3.3	42
93	High speed displacement measurement based on electro-magnetic induction applied to electromagnetically driven ring expansion. Review of Scientific Instruments, 2017, 88, 114702.	1.3	0
94	The pulsed high magnetic field facility and scientific research at Wuhan National High Magnetic Field Center. Matter and Radiation at Extremes, 2017, 2, 278-286.	3.9	18
95	Effect of electromagnetic bulging on fatigue behavior of 5052 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2017, 27, 1224-1232.	4.2	5
96	Mechanism of high velocity electromagnetic deformation of Alâ€“Mg alloy. Philosophical Magazine, 2017, 97, 69-83.	1.6	6
97	Electromagnetic attractive forming of sheet metals by means of a dual-frequency discharge current: design and implementation. International Journal of Advanced Manufacturing Technology, 2017, 90, 309-316.	3.0	41
98	A comprehensive electromagnetic forming approach for large sheet metal forming. Procedia Engineering, 2017, 207, 54-59.	1.2	18
99	Design and analysis of a pulsed electromagnetic blankholder system for electromagnetic forming. Procedia Engineering, 2017, 207, 347-352.	1.2	12
100	Numerical analysis and simulation of magnetic flux and force in a three-coil system. , 2016, , .		0
101	Note: Magnetic targeting for enhancement of the activation efficiency of G protein-coupled receptor with a two-pair coil system. Review of Scientific Instruments, 2016, 87, 016103.	1.3	2
102	Analysis and design of a control system for the 100T pulsed high magnetic field facility at WHMFC. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	5
103	Design and Experimental Validation of a Pulsed Electromagnetic Sheet Shearing System. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	1
104	Axially Movable Electromagnetic Forming System for Large-Scale Metallic Sheet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	11
105	Application of Triple-Coil System for Improving Deformation Depth of Tube in Electromagnetic Forming. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	20
106	Design, Fabrication, and Test of a High-Strength Uniform Pressure Actuator. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
107	Lipase oriented-immobilized on dendrimer-coated magnetic multi-walled carbon nanotubes toward catalyzing biodiesel production from waste vegetable oil. Fuel, 2016, 178, 172-178.	6.4	98
108	Numerical and Experimental Investigations on the Manipulation of Magnetic Particles in a Microsystem Using a Hybrid Magnet System. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	2

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109	Design, Implementation, and Testing of a Pulsed Electromagnetic Blank Holder System. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	11
110	Targeting Behavior of Magnetic Particles Under Gradient Magnetic Fields Produced by Two Types of Permanent Magnets. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	7
111	Effect of Induced Current on the Flow Stress in the Electromagnetic Ring Expansion. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	2
112	High-magnetic-field phase transitions and Hâ€“T phase diagram of the Kagome-staircase compound Ni3V2O8. Journal of Magnetism and Magnetic Materials, 2015, 382, 7-9.	2.3	4
113	Non-twinning deformation mechanism of pure copper under high speed electromagnetic forming. Materials & Design, 2015, 81, 54-58.	5.1	7
114	An active microfluidic mixer utilizing a hybrid gradient magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 583-592.	0.6	36
115	Analysis and reduction of coil temperature rise in electromagnetic forming. Journal of Materials Processing Technology, 2015, 225, 185-194.	6.3	86
116	Radial Lorentz force augmented deep drawing for large drawing ratio using a novel dual-coil electromagnetic forming system. Journal of Materials Processing Technology, 2015, 222, 13-20.	6.3	63
117	Three-dimensional analysis and enhancement of continuous magnetic separation of particles in microfluidics. Microfluidics and Nanofluidics, 2015, 18, 1209-1220.	2.2	38
118	Design of the power supply for the pulsed electric current sintering. , 2014, , .		0
119	Design of an isolated medium-frequency medium-voltage high-power three-level H-bridge DC/DC converter. , 2014, , .		1
120	Radial-axial Force Controlled Electromagnetic Sheet Deep Drawing: Electromagnetic Analysis. Procedia Engineering, 2014, 81, 2505-2511.	1.2	3
121	Effect of Electromagnetic Ring Expansion on the Mechanical Property of A5083 Aluminum Alloy. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	2
122	The Electromagnetic Flanging of a Large-Scale Sheet Workpiece. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	10
123	Development of mechanical measurement system applied for electroplastic effect research. , 2014, , .		5
124	Dynamic analysis of electromagnetic sheet metal forming process using finite element method. International Journal of Advanced Manufacturing Technology, 2014, 74, 361-368.	3.0	52
125	Short and Long Pulse High Magnetic Field Facility at the Wuhan National High Magnetic Field Center. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	17
126	The Simulations and Experiments of the Electromagnetic Tracking System Based on Magnetic Dipole Model. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	4

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127	Operation Strategy and Reliability Analysis of the Control System for the Hybrid Capacitor-Battery Pulsed High Magnetic Field Facility. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	7
128	Analysis and Experiment of Battery Bank Power Supply System for Long Pulse Helical Magnet in WHMFC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	8
129	Effects of Current Frequency on Electromagnetic Sheet Metal Forming Process. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	18
130	Configurations and control of magnetic fields for manipulating magnetic particles in microfluidic applications: magnet systems and manipulation mechanisms. Lab on A Chip, 2014, 14, 2762.	6.0	109
131	Bulging of 1420 Al-Li alloy based on Pulse Current. Procedia Engineering, 2014, 81, 808-812.	1.2	2
132	Two-Dimensional Manipulation of Magnetic Nanoparticles in Microfluidic Systems. Applied Physics Express, 2013, 6, 025201.	2.4	9
133	Magnet Design and Analysis of a 40 Tesla Long Pulse System Energized by a Battery Bank. Journal of Low Temperature Physics, 2013, 170, 475-480.	1.4	15
134	A Study on the Weak Signal Detection System Applied to the High Field Research Based on the Digital Lock-In Technique and Wavelet Filter. Journal of Low Temperature Physics, 2013, 170, 469-474.	1.4	2
135	Design and Realization of the Control and Measurement System of the Long Pulsed High Magnetic Field Facility Supplied by Battery. Journal of Low Temperature Physics, 2013, 170, 569-575.	1.4	1
136	Safety Analysis and Protection Measures of the Control System of the Pulsed High Magnetic Field Facility in WHMFC. Journal of Low Temperature Physics, 2013, 170, 562-568.	1.4	0
137	Function Design and Implementation of a Central Control System of a Pulsed High Magnetic Field Facility. IEEE Transactions on Applied Superconductivity, 2012, 22, 5401004-5401004.	1.7	3
138	Design of a Program-Controlled Precise Synchronous Triggering System Applied to Pulsed High Magnetic Field Facility. IEEE Transactions on Applied Superconductivity, 2012, 22, 5400204-5400204.	1.7	4
139	The Critical Current Degradation of Bi-2223 Superconducting Tapes Due to Fatigue Cycles at Different Strain Range. IEEE Transactions on Applied Superconductivity, 2012, 22, 6400404-6400404.	1.7	0
140	Precise Measurement of the Inductance and Resistance of a Pulsed Field Magnet Based on Digital Lock-in Technique. IEEE Transactions on Applied Superconductivity, 2012, 22, 9001105-9001105.	1.7	7
141	Numerical analysis of magnetic nanoparticle transport in microfluidic systems under the influence of permanent magnets. Journal Physics D: Applied Physics, 2012, 45, 465001.	2.8	53
142	Design and Experiments of a High Field Electromagnetic Forming System. IEEE Transactions on Applied Superconductivity, 2012, 22, 3700504-3700504.	1.7	22
143	Design and Evaluation of Three-Dimensional Electromagnetic Guide System for Magnetic Drug Delivery. IEEE Transactions on Applied Superconductivity, 2012, 22, 4401404-4401404.	1.7	21
144	Analysis and Optimal Design of Magnetic Navigation System Using Helmholtz and Maxwell Coils. IEEE Transactions on Applied Superconductivity, 2012, 22, 4401504-4401504.	1.7	35

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145	Enhancement of the efficiency of magnetic targeting for drug delivery: Development and evaluation of magnet system. Journal of Magnetism and Magnetic Materials, 2011, 323, 1919-1924.	2.3	56
146	A linear hall effect displacement sensor using a stationary two-pair coil system. , 2011, , .		2
147	Progress in the Development of the Wuhan High Magnetic Field Center. Journal of Low Temperature Physics, 2010, 159, 374-380.	1.4	11
148	Design and Realization of the Control andÂMeasurement System of the Wuhan PulsedÂHighÂMagnetic Field Facility. Journal of Low Temperature Physics, 2010, 159, 345-348.	1.4	3
149	Development of an Optical Digitized Local Control and Measurement System Applied to Pulsed High Magnetic Field Facility. IEEE Transactions on Applied Superconductivity, 2010, 20, 1777-1780.	1.7	5
150	A Software Approach for Real-Time Control of Operation and Experiments at the WHMFC Pulsed High Magnetic Field Facility. IEEE Transactions on Applied Superconductivity, 2010, 20, 1697-1700.	1.7	3
151	Design of Multipulse Power Supply for Small Pulsed High Magnetic Field Device. IEEE Transactions on Applied Superconductivity, 2010, 20, 1689-1692.	1.7	8
152	The Implementation of Control System Applied to 1MJ Pulsed High Magnetic Field Facility. , 2010, , .		1
153	The Development of High Performance Pulsed Magnets of the Prototype Facility of WHMFC. IEEE Transactions on Applied Superconductivity, 2010, 20, 676-679.	1.7	10
154	The development of measurement and control software applied to small pulsed high magnetic field facility. , 2009, , .		1
155	Research about Measurement Performance of Optic-Electric DC Current Transformer in 500kV HVDC Power System. , 2009, , .		4
156	The Pulsed High Magnetic Field Facility at HUST, Wuhan, China and Associated Magnets. IEEE Transactions on Applied Superconductivity, 2008, 18, 596-599.	1.7	32
157	Automatic measurement of resistance and inductance of pulsed magnet based on virtual instrument technology. , 2008, , .		0
158	Numerical Analysis of the Workpiece Velocity in Electromagnetic Forming Process. Advanced Materials Research, 0, 314-316, 634-638.	0.3	1