

Liang Li

List of Publications by Year in descending order

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43
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Three-dimensional analysis and enhancement of continuous magnetic separation of particles in microfluidics. Microfluidics and Nanofluidics, 2015, 18, 1209-1220.	2.2	38
3	An active microfluidic mixer utilizing a hybrid gradient magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 583-592.	0.6	36
4	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
5	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
6	Dynamic motion analysis of magnetic particles in microfluidic systems under an external gradient magnetic field. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	28
7	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
8	Effects of Current Frequency on Electromagnetic Sheet Metal Forming Process. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	18
9	A 35 kA Disc-Shaped Thyristor DC Switch for Batteries Power Supply of Flat-Top Pulsed Magnetic Field. IEEE Transactions on Applied Superconductivity, 2012, 22, 5400404-5400404.	1.7	15
10	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
11	Techno-Economic Feasibility Study on HTS Power Cables. IEEE Transactions on Applied Superconductivity, 2009, 19, 1774-1777.	1.7	11
12	The Electromagnetic Flanging of a Large-Scale Sheet Workpiece. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	10
13	Design and Analysis of Power Supplies for the First 100-T Nondestructive Magnet at the WHMFC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10
14	Design of a Multipulse High-Magnetic-Field System Based on Flywheel Energy Storage. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	9
15	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
16	Expanding the homogeneous regime of deformation in bulk metallic glass by electromigration-induced rejuvenation. Communications Materials, 2020, 1, .	6.9	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Study of a Post-Assembly Magnetization Method of a V-Type Rotor of Interior Permanent Magnet Synchronous Motor for Electric Vehicle. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	7
22	Research of Post-Assembly Magnetization of Large-Power Surface-Mounted Rare-Earth Permanent Magnet Machines With Integrated Magnetizing Winding. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	6
23	Design of a Novel Pulsed Power System for Repetitive Pulsed High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2012, 22, 5400104-5400104.	1.7	5
24	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
25	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
26	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
27	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
28	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
29	Failure Analysis of the 100 T Pulsed Magnet at the WHMFC. IEEE Transactions on Industry Applications, 2022, 58, 6145-6151.	4.9	3
30	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
31	Bidirectional Repeating Long Pulse Magnet System for Magnetic Refrigerator. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	2
32	Design and Test of a Long-Pulse Large Current Sensor With a Hall Probe Installed Inside. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	2
33	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
34	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
35	Novel Partitioned Stator Dual-PM Flux-Switching Permanent Magnet Machine with Mechanically Continuously Flux Adjusting Capability. , 2019, , .		2
36	Failure Analysis of a 100 Tesla Pulsed Magnet. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
37	Study on the Effect of Temperature on Magnetization of Permanent Magnet. , 2021, , .		2
38	Design and Experimental Validation of a Pulsed Electromagnetic Sheet Shearing System. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	1
39	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
40	The impedance characteristic of NRD wavewide. , 0, , .		0
41	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
42	An Adaptive Control Strategy for Long-Pulse Magnet System With Low-Ripple Flat-Top Magnetic Field. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-8.	1.7	0
43	Design and Experimental Study of a New SCR Urea Nozzle. , 2019, , .		0