

Liang Li

List of Publications by Year in descending order

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| # | 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 | 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 |
| 3 | Failure Analysis of the 100 T Pulsed Magnet at the WHMFC. IEEE Transactions on Industry Applications, 2022, 58, 6145-6151. | 4.9 | 3 |
| 4 | Study on the Effect of Temperature on Magnetization of Permanent Magnet. , 2021, , . | | 2 |
| 5 | 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 |
| 6 | Expanding the homogeneous regime of deformation in bulk metallic glass by electromigration-induced rejuvenation. Communications Materials, 2020, 1, . | 6.9 | 8 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Failure Analysis of a 100 Tesla Pulsed Magnet. , 2020, , . | | 2 |
| 11 | Design and Experimental Study of a New SCR Urea Nozzle. , 2019, , . | | 0 |
| 12 | Novel Partitioned Stator Dual-PM Flux-Switching Permanent Magnet Machine with Mechanically Continuously Flux Adjusting Capability. , 2019, , . | | 2 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Dynamic motion analysis of magnetic particles in microfluidic systems under an external gradient magnetic field. Microfluidics and Nanofluidics, 2017, 21, 1. | 2.2 | 28 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Design and Experimental Validation of a Pulsed Electromagnetic Sheet Shearing System. IEEE Transactions on Applied Superconductivity, 2016, , 1-1. | 1.7 | 1 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | An active microfluidic mixer utilizing a hybrid gradient magnetic field. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 583-592. | 0.6 | 36 |
| 25 | Three-dimensional analysis and enhancement of continuous magnetic separation of particles in microfluidics. Microfluidics and Nanofluidics, 2015, 18, 1209-1220. | 2.2 | 38 |
| 26 | 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 |
| 27 | The Electromagnetic Flanging of a Large-Scale Sheet Workpiece. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5. | 1.7 | 10 |
| 28 | Bidirectional Repeating Long Pulse Magnet System for Magnetic Refrigerator. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5. | 1.7 | 2 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Effects of Current Frequency on Electromagnetic Sheet Metal Forming Process. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4. | 1.7 | 18 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Techno-Economic Feasibility Study on HTS Power Cables. IEEE Transactions on Applied Superconductivity, 2009, 19, 1774-1777. | 1.7 | 11 |
| 43 | The impedance characteristic of NRD wavewide. , 0, , . | | 0 |