

Jaewon Lim

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Analysis and Control of Electromagnetic Coupling Effect of Levitation and Guidance Systems for Semi-High-Speed Maglev Train Considering Current Direction. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 2.1 | 43 |
| 2 | Analysis and Experimental Evaluation of Normal Force of Linear Induction Motor for Maglev Vehicle. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 2.1 | 35 |
| 3 | Design and Control of Levitation and Guidance Systems for a Semi-High-Speed Maglev Train. Journal of Electrical Engineering and Technology, 2017, 12, 117-125. | 2.0 | 32 |
| 4 | Analysis and Control of the Electromagnetic Coupling Effect of the Levitation and Guidance Systems for a Semi-High-Speed MAGLEV Using a Magnetic Equivalent Circuit. IEEE Transactions on Magnetics, 2016, 52, 1-4. | 2.1 | 22 |
| 5 | Algorithm of Linear Induction Motor Control for Low Normal Force of Magnetic Levitation Train Propulsion System. IEEE Transactions on Magnetics, 2018, 54, 1-4. | 2.1 | 17 |
| 6 | Optimal Design of PMA-SynRM for Electric Vehicles Exploiting Adaptive-Sampling Kriging Algorithm. IEEE Access, 2021, 9, 41174-41183. | 4.2 | 17 |
| 7 | Design and analysis of 5 kw class tubular type linear generator for free-piston engine. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 231-240. | 0.6 | 11 |
| 8 | Yaw Motion Control of Electromagnetic Guidance System for High-Speed Maglev Vehicles. Journal of Electrical Engineering and Technology, 2016, 11, 1299-1304. | 2.0 | 10 |
| 9 | A Study on Optimal Operating Point of Linear Induction Motor Considering Normal Force and Efficiency in MAGLEV Vehicle. IEEE Transactions on Magnetics, 2018, 54, 1-5. | 2.1 | 9 |
| 10 | Cogging force reduction in permanent magnet linear motor using phase set shift. , 2008, , . | | 8 |
| 11 | Development of high accuracy of magnetic levitation transport system for OLED evaporation process. , 2017, , . | | 8 |
| 12 | Experimental Verification of a Magnetic Levitation Transport System for the OLED Display Evaporation Process Under Vacuum. IEEE Robotics and Automation Letters, 2018, 3, 2786-2791. | 5.1 | 8 |
| 13 | Levitation control design of super-speed Maglev trains. , 2014, , . | | 7 |
| 14 | Thrust and efficiency analysis of linear induction motors for semi-high-speed Maglev trains using 2D finite element models. , 2016, , . | | 7 |
| 15 | Development of Levitation Control for High Accuracy Magnetic Levitation Transport System. Journal of Institute of Control, Robotics and Systems, 2016, 22, 557-561. | 0.2 | 6 |
| 16 | Design of an Electromagnet with Low Detent Force and its Control for a Maglev Super-speed Vehicle. Journal of Electrical Engineering and Technology, 2015, 10, 1667-1673. | 2.0 | 5 |
| 17 | Passive Maglev Carrier Control with Consideration of Pitch Motion. Transactions of the Korean Society of Mechanical Engineers, A, 2016, 40, 213-220. | 0.2 | 4 |
| 18 | Starting mode analysis of tubular-type linear generator for free-piston engine with dynamic characteristics. , 2007, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design Optimization Process for Electromagnetic Vibration Energy Harvesters Using Finite Element Analysis. Transactions of the Korean Society for Noise and Vibration Engineering, 2014, 24, 809-816. | 0.4 | 2 |
| 20 | A Study on Improvement of Operation Efficiency of Magnetic Levitation Train Using Linear Induction Motor. International Journal of Railway, 2016, 9, 41-45. | 0.2 | 2 |
| 21 | Magnetic Levitation Control through the Introduction of Bogie Pitch Motion into a Control Law. Journal of the Korean Society for Railway, 2015, 18, 87-93. | 0.1 | 2 |
| 22 | Development of a High-accuracy Magnetic Levitation Transport System for OLED Evaporation Process. Transactions of the Korean Society of Mechanical Engineers, A, 2018, 42, 1111-1118. | 0.2 | 2 |
| 23 | Analysis of force characteristic of a linear induction motor considering secondary overhang effect. , 2015, , . | | 1 |
| 24 | Magnetic levitation control including bogie roll motion. , 2015, , . | | 1 |
| 25 | Analysis and control of electromagnetic coupling effect of levitation and guidance systems for semi-high-speed Maglev train considering current direction. , 2016, , . | | 1 |
| 26 | Design and control characteristics of guidance system for passive maglev transport system. , 2016, , . | | 1 |
| 27 | A study on efficiency of magnetic levitation trains using linear induction motor by slip pattern. , 2019, , . | | 1 |
| 28 | Levitation Control Simulation of a Maglev Vehicle Considering Guideway Flexibility. Journal of the Korean Society for Railway, 2015, 18, 15-24. | 0.1 | 1 |
| 29 | Parametric Study on 3-way Switch Design Considering Levitation Stability of Maglev Train. Journal of the Korean Society for Railway, 2016, 19, 135-144. | 0.1 | 1 |
| 30 | Control design of passive magnetic levitation tray. , 2013, , . | | 0 |
| 31 | Design of magnetic levitation electromagnet for High Speed Maglev train. , 2013, , . | | 0 |
| 32 | Experimental verification and electromagnetic analysis for force performance of levitation and guidance electromagnet in semi-high-speed Maglev train. , 2016, , . | | 0 |
| 33 | Control characteristics of passive maglev transport system. , 2017, , . | | 0 |
| 34 | Sensor Offset Compensation for Improved Levitation Performance of Passive Maglev Transport System. , 2019, , . | | 0 |
| 35 | A Study on the Thrust Characteristic Analysis of Linear Induction Motor according to Secondary Reaction Plate Using the Container Scanner Vehicle. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 65-72. | 0.1 | 0 |
| 36 | Design and Control of Passive Carrier Type Maglev Transfer System in Consideration of Levitation Electromagnet Interval. Transactions of the Korean Society of Mechanical Engineers, A, 2018, 42, 669-679. | 0.2 | 0 |