Jang-Young

List of Publications by Year
in descending order

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213 papers	1,916 citations	279701 23 h-index	395590 33 g-index
213 all docs	213 docs citations	213 times ranked	1475 citing authors

#	Article	IF	Citations
1	Electro-Mechanical Characteristics Analysis and Experimental Study of PMSM According to Rotor Eccentricity. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	1
2	Optimal Design of Short-Stroke Linear Oscillating Actuator for Minimization of Side Force Using Response Surface Methodology. IEEE Transactions on Magnetics, 2022, 58, 1-5.	1.2	8
3	Design and Analysis Considering Magnet Usage of Permanent Magnet Synchronous Generator Using Analytical Method. Electronics (Switzerland), 2022, 11, 205.	1.8	3
4	Operating Characteristic Analysis and Verification of Short-Stroke Linear Oscillating Actuators Considering Mechanical Load. Machines, 2022, 10, 48.	1.2	1
5	Optimal Design of a BLDC Motor Considering Three-Dimensional Structures Using the Response Surface Methodology. Energies, 2022, 15, 461.	1.6	11
6	Performance Characteristics of the Rotor Conductor of an IE4 Class Induction Motor With Varying Al-Cu Ratio. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	2
7	Characteristic Analysis and Experimental Verification of Electromagnetic and Vibration/Noise Aspects of Fractional-Slot Concentrated Winding IPMSMs of e-Bike. Energies, 2022, 15, 238.	1.6	4
8	Semi-3D Analysis of a Permanent Magnet Synchronous Generator Considering Bolting and Overhang Structure. Energies, 2022, 15, 4374.	1.6	1
9	Electromagnetic Characteristic Analysis of High-Speed Motors With Rare-Earth and Ferrite Permanent Magnets Considering Current Harmonics. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	12
10	Electromagnetic Performance Analysis and Experimental Verification Considering the End Effect of Linear Magnetic Gears Using Subdomain-Based Analytical Method. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	2
11	Electromagnetic Analysis of Single-Phase Linear Oscillatory Actuator Based on Subdomain Analytical Model With End and Stacking Effects. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	5
12	Optimal Design of Double-Pole Magnetization BLDC Motor and Comparison with Single-Pole Magnetization BLDC Motor in Terms of Electromagnetic Performance. Machines, 2021, 9, 18.	1.2	1
13	Optimal design of field coil magnet of 10MW-class actively shielded superconducting generator. Transactions of the Korean Institute of Electrical Engineers, 2021, 70, 338-346.	0.1	1
14	Design of high-speed permanent magnet synchronous machines considering thermal demagnetization and mechanical characteristic of permanent magnet. AIP Advances, 2021, 11, 025129.	0.6	2
15	Detailed analytical modeling for electromagnetic performance in actively shielded superconducting machines. AIP Advances, 2021, 11, .	0.6	4
16	Iron Loss Analysis of a Concentrated Winding Type Interior Permanent Magnet Synchronous Motor with Single and Dual Layer Magnet Shape. Machines, 2021, 9, 74.	1.2	2
17	Core-Loss Analysis of Linear Magnetic Gears Using the Analytical Method. Energies, 2021, 14, 2905.	1.6	3
18	Compensation Technique for Delay Times of Various Feedback Filters in a Three-Phase Control System for Synchronous Machines. Journal of Electrical Engineering and Technology, 2021, 16, 3069.	1.2	1

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19	Design of the High-Speed PMSG with Two Different Shaft Material Considering Overhang Effect and Mechanical Characteristics. Applied Sciences (Switzerland), 2021, 11, 7670.	1.3	3
20	Electromagnetic Analysis and Experimental Study to Optimize Force Characteristics of Permanent Magnet Synchronous Generator for Wave Energy Converter Using Subdomain Method. Processes, 2021, 9, 1825.	1.3	4
21	Electromagnetic Characteristics Analysis of IPMSM for xEV Compressor using Vector Control. , 2021, , .		0
22	Experimental and Comparative Study of Rotor Vibrations of Permanent Magnet Machines with Two Different Fractional Pole/Slot Combinations. Applied Sciences (Switzerland), 2020, 10, 8792.	1.3	1
23	Experimentally Verifying the Generation Characteristics of a Double-Sided Linear Permanent Magnet Synchronous Generator for Ocean Wave Energy Conversion. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.1	5
24	Experimental Verification and Electromagnetic Characteristic Analysis of Permanent Magnet Linear Oscillating Actuator Using Semi 3D Analysis Technique With Corrected Stacking Factor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	6
25	Design and Analysis of High-Speed Permanent Magnet Synchronous Generator With Rotor Structure Considering Electromechanical Characteristics. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	11
26	Experiments and Design Criteria for a High-Speed Permanent Magnet Synchronous Generator With Magnetic Bearing Considering Mechanical Aspects. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	3
27	Design and Analysis of the Coaxial Magnetic Gear Considering the Electromagnetic Performance and Mechanical Stress. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	4
28	Electromagnetic Analysis of Linear Magnetic Gears Based on the Characteristics of Their Flux-Modulation Poles. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	2
29	Electromagnetic Design and Dynamic Characteristics of Permanent Magnet Linear Oscillating Machines Considering Instantaneous Inductance According to Mover Position. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	8
30	Experimental verification and analysis of temperature characteristics of induction generator considering stator loss distribution. AIP Advances, 2020, 10, 015139.	0.6	1
31	Improved design and experimental verification of linear magnetic gear using parametric analysis. AIP Advances, 2020, 10, 015057.	0.6	0
32	Quasi-3D electromagnetic analysis and experimental verification of multi-pole magnetization BLDC motor. AIP Advances, 2020, 10, .	0.6	2
33	Analytical and experimental study for characteristic analysis of permanent magnet linear synchronous machines with horizontally magnetized PMs. AIP Advances, 2020, 10, 015049.	0.6	1
34	Experimental verification and electromagnetic characteristics analysis of wound-rotor synchronous generator using magnetic equivalent circuit method. AIP Advances, 2020, 10, 015014.	0.6	0
35	Experimental Verification and Analytical Study of Influence of Rotor Eccentricity on Electromagnetic Characteristics of Permanent Magnet Machine. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7
36	Experimental Verification and 2D Equivalent Analysis Techniques of BLDC Motor With Permanent Magnet Overhang and Housing-Integrated Rotor Core. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7

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37	Experimental and comparative study of mechanical and electromagnetic aspects of a high-speed permanent magnetic motor with two different magnetic materials. AIP Advances, 2020, 10, .	0.6	1
38	Self-Aligning Limited-Angle Rotary Torque PM Motor for Control Valve: Design and Experimental Verification. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	5
39	Characteristic Analysis of Wave Power Generator Considering Bolting to Fix Permanent Magnet Based on Analytical Method. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	6
40	Low-Profile, Electrically Small Planar Huygens Source Antenna With an Endfire Radiation Characteristic. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 412-416.	2.4	16
41	Leakage Current Effect of a Supporting Insulator on the Performance of a Resistive High-voltage. Journal of Electrical Engineering and Technology, 2019, 14, 1001-1006.	1.2	0
42	Robust Wireless Sensor and Actuator Networks for Networked Control Systems. Sensors, 2019, 19, 1535.	2.1	12
43	Torque Characteristic Analysis and Measurement of Magnetic Rackâ€“Pinion Gear Based on Analytical Method. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	7
44	Low-Uncertainty Equality Between the Voltage-Dividing and Resistance Ratio of a DC Resistive High Voltage Divider. Journal of Electrical Engineering and Technology, 2019, 14, 1789-1795.	1.2	2
45	Characteristics analysis of a high-speed permanent magnet synchronous generator considering magnetic reactance derived from short circuit analysis. AIP Advances, 2019, 9, 125337.	0.6	0
46	Design criteria and experiments considering the mechanical characteristics of high-speed permanent magnet synchronous generator of 8kW and 40krpm class. AIP Advances, 2019, 9, 125319.	0.6	0
47	Comparison of Electromagnetic and Dynamic Characteristics of Linear Oscillating Actuators With Rare-Earth and Ferrite Magnets. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	12
48	Core Loss Analysis of Permanent Magnet Synchronous Generator With Slotless Stator. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	6
49	Characteristic Analysis of the Influence of Auxiliary Teeth and Notching on the Reduction of the Detent Force of a Permanent Magnet Linear Synchronous Machine. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	18
50	Core Loss Calculation of Permanent Magnet Machines Using Analytical Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	9
51	Core Loss Analysis of Permanent Magnet Linear Synchronous Generator Considering the 3-D Flux Path. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	11
52	Analytical torque calculation and experimental verification of synchronous permanent magnet couplings with Halbach arrays. AIP Advances, 2018, 8, .	0.6	5
53	Measurement and Torque Calculation of Magnetic Spur Gear Based on Quasi 3-D Analytical Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	8
54	Semi-Three-Dimensional Analytical Torque Calculation and Experimental Testing of an Eddy Current Brake With Permanent Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	18

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55	Rotor Design of High-Speed Permanent Magnet Synchronous Motors Considering Rotor Magnet and Sleeve Materials. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	34
56	Characteristic Analysis and Experimental Verification for a Double-Sided Permanent Magnet Linear Synchronous Generator According to Magnetization Array. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	2
57	Electromagnetic and Operating Characteristic Analysis of 1 00 MW -Class Wound- Type Synchronous Generator. , 2018, , .		0
58	Magnetic Field Analysis of Permanent Magnet Synchronous Motor Using Analytical Method According to Rotor Structure. , 2018, , .		1
59	Transmission Scheduling Schemes of Industrial Wireless Sensors for Heterogeneous Multiple Control Systems. Sensors, 2018, 18, 4284.	2.1	5
60	Design Optimization of Interior Permanent Magnet Synchronous Motor for Electric Compressors of Air-Conditioning Systems Mounted on EVs and HEVs. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	31
61	Characteristic Analysis of Force Ripple Reduction in Linear Magnetic Gear. , 2018, , .		0
62	Characteristic Analysis of a V-Shape Interior Permanent Magnet Synchronous Motor According to Design Parameter. , 2018, , .		5
63	The influence of substrate-dependent triboelectric charging of graphene on the electric potential generation by the flow of electrolyte droplets. Nano Energy, 2018, 54, 66-72.	8.2	24
64	Study on force characteristics in accordance with gear ratio of the linear magnetic gear. International Journal of Engineering and Technology(UAE), 2018, 7, 179.	0.2	0
65	Analytical Modeling and Experimental Verification for Electromagnetic Analysis of Tubular Linear Synchronous Machines With Axially Magnetized Permanent Magnets and Flux-Passing Iron Poles. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	14
66	Design and Experimental Analysis of a 3 kW Single-Phase Linear Permanent Magnet Generator for Stirling Engines. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	20
67	Design and Characteristic Analysis of a High-Speed Permanent Magnet Synchronous Motor Considering the Mechanical Structure for High-Speed and High-Head Centrifugal Pumps. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	28
68	Analytical Investigation of the On-Load Electromagnetic Performance of Magnetic-Geared Permanent-Magnet Machines. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	9
69	Algorithm of Linear Induction Motor Control for Low Normal Force of Magnetic Levitation Train Propulsion System. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	17
70	Experimental and Analytical Study of Surface-Mounted Type Variable Flux Permanent Magnet Motor Considering Controllable Magnet Properties. Journal of Magnetics, 2018, 23, 74-78.	0.2	0
71	Comparison of the Electromagnetic Characteristics of Single-Phase Linear Oscillating Machines according to Magnetic Flux Flow. Journal of Magnetics, 2018, 23, 523-528.	0.2	1
72	Parametric analysis and optimized torque characteristics of a coaxial magnetic gear based on the subdomain analytical model. AIP Advances, 2017, 7, .	0.6	3

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73	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.	1.2	43
74	Detent Force Minimization of Permanent Magnet Linear Synchronous Machines Using Subdomain Analytical Method Considering Auxiliary Teeth Configuration. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	41
75	Armature Reaction Field and Inductance Calculations for a Permanent Magnet Linear Synchronous Machine Based on Subdomain Model. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	33
76	Analytical Calculation and Experimental Verification of Cogging Torque and Optimal Point in Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	18
77	Analytical prediction for electromagnetic performance of interior permanent magnet machines based on subdomain model. AIP Advances, 2017, 7, 056669.	0.6	5
78	Comparison of Axial Flux Permanent Magnet Synchronous Machines With Electrical Steel Core and Soft Magnetic Composite Core. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	42
79	Design and analysis of tubular permanent magnet linear generator for small-scale wave energy converter. AIP Advances, 2017, 7, .	0.6	10
80	Magnet pole shape design for reduction of thrust ripple of slotless permanent magnet linear synchronous motor with arc-shaped magnets considering end-effect based on analytical method. AIP Advances, 2017, 7, .	0.6	8
81	Design and analysis of linear oscillatory single-phase permanent magnet generator for free-piston stirling engine systems. AIP Advances, 2017, 7, .	0.6	14
82	Experimental and Analytical Study of Single-Phase Squirrel-Cage Induction Motor Considering End-Ring Porosity Rate. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	9
83	Comparative study and experiment of a double-sided permanent magnet linear synchronous generator according to magnetization pattern. AIP Advances, 2017, 7, 056674.	0.6	1
84	Analysis of Eddy Current Loss in Permanent Magnet Linear Synchronous Generator Considering Tapped Holes in Movers Using Semi-3-D Analytical Method. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	10
85	Torque characteristic analysis and measurement of axial flux-type non-contact permanent magnet device with Halbach array based on 3D analytical method. AIP Advances, 2017, 7, 056647.	0.6	4
86	Eddy current loss in double-sided cored slotless type permanent magnet linear synchronous generator using analytical method. AIP Advances, 2017, 7, .	0.6	1
87	Correlation Between Rotor Vibration and Mechanical Stress in Ultra-High-Speed Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2017, 53, 1-6.	1.2	28
88	Experimental verification and analytical calculation of unbalanced magnetic force in permanent magnet machines. AIP Advances, 2017, 7, 056652.	0.6	2
89	Thrust Analysis and Experiments on Low-Speed Single-Sided Linear Induction Motor. Journal of Electrical Engineering and Technology, 2017, 12, 230-235.	1.2	3
90	Experimental Evaluation on Power Loss of Coreless Double-side Permanent Magnet Synchronous Motor/Generator Applied to Flywheel Energy Storage System. Journal of Electrical Engineering and Technology, 2017, 12, 256-261.	1.2	0

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91	Armature reaction magnetic field and inductance of tubular linear synchronous machines with axially magnetized permanent magnets accounting for flux-passing iron pole effect. , 2016, , .		0
92	Experimental verification and electromagnetic analysis for force performance of levitation and guidance electromagnet in semi-high-speed Maglev train. , 2016, , .		0
93	Design and analysis of magnetic geared permanent magnet machine considering loss reduction. , 2016, , .		0
94	Comparison of characteristic of a double-sided permanent magnet linear synchronous generator according to magnetization pattern. , 2016, , .		0
95	Armature reaction field and inductance calculations for a permanent magnet linear synchronous machine based on subdomain model. , 2016, , .		3
96	Thrust and efficiency analysis of linear induction motors for semi-high-speed Maglev trains using 2D finite element models. , 2016, , .		7
97	Experiment and analytical prediction of detent force in permanent magnet linear synchronous machines considering end effects. , 2016, , .		0
98	Optimal design and torque analysis considering eddy-current reduction of axial-flux permanent magnet couplings with Halbach array based on 3D-FEM. , 2016, , .		4
99	Analysis and control of electromagnetic coupling effect of levitation and guidance systems for semi-high-speed Maglev train considering current direction. , 2016, , .		1
100	Design and analysis of a linear oscillatory single-phase permanent magnet generator for free-piston stirling engine systems. , 2016, , .		2
101	No-Load Analysis of PMLSM With Halbach Array and PM Overhang Based on Three-Dimensional Analytical Method. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	13
102	Characteristic Analysis of Tubular-Type Permanent-Magnet Linear Magnetic Coupling Based on Analytical Magnetic Field Calculations. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	11
103	Open circuit and armature reaction field analysis of permanent magnet linear synchronous generator. , 2016, , .		0
104	Experimental verification and analytical calculation of local force in permanent magnet synchronous machine. , 2016, , .		0
105	Characteristic Analysis of Interior Permanent-Magnet Synchronous Machine With Fractional-Slot Concentrated Winding Considering Nonlinear Magnetic Saturation. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	24
106	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.	1.2	22
107	Influence of Lateral-Impact Force on Electropermanent Magnet Suspension Conveyor With Inherent Guidance Force. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	3
108	Comparative Study of Electromagnetic Performance of High-Speed Synchronous Motors With Rare-Earth and Ferrite Permanent Magnets. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	23

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109	Optimum Iron Pole Design of a Tubular Linear Synchronous Machine With Double-Sided Axially Magnetized Permanent Magnets Considering Leakage Flux. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	9
110	Analysis on the Pitching Moment in Permanent-Magnet Linear Synchronous Motor for Linear Motion Stage Systems. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	13
111	Parametric Analysis of Tubular-Type Linear Magnetic Couplings with Halbach Array Magnetized Permanent Magnet by Using Analytical Force Calculation. Journal of Magnetics, 2016, 21, 110-114.	0.2	5
112	A Study on the Properties of the Dual-mode Plasma Torch System for Melting the Non-conductive Waste. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 73-80.	0.1	0
113	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
114	A Study on the Properties and Methods of Electrode System for Tapping of Melts. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 499-503.	0.1	0
115	Vector Control for Wave Power Generation System using Permanent Magnet Linear Synchronous Generator. Journal of the Korean Society for Marine Environment & Energy, 2016, 19, 120-128.	0.1	3
116	Comparative Analysis of Surface-mounted and Interior Permanent Magnet Synchronous Motor. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 987-994.	0.1	1
117	Eddy Current Loss Analysis of Slotless Double-sided Cored Type Permanent Magnet Generator by using Analytical Method. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1639-1647.	0.1	0
118	Design and Characteristic Analysis for High-speed Interior Permanent Magnet Synchronous Motor with Ferrite Magnet. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1806-1812.	0.1	0
119	Analysis of force characteristic of a linear induction motor considering secondary overhang effect. , 2015, , .		1
120	Comparative analysis of surface-mounted and interior permanent magnet synchronous motor for compressor of air-conditioning system in electric vehicles. , 2015, , .		6
121	Design and Analysis of Surface-Mounted-Type Variable Flux Permanent Magnet Motor for Wide-Speed Range Applications. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	15
122	Characteristic Analysis of Permanent-Magnet Synchronous Generator With Slotless Stator Structure Considering Magnetic/Mechanical Air Gap Using Semi-3-D Analytical Method. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	10
123	Performance Evaluation of Radial- and Axial-Flux PM Wind Power Generators With Mechanical Energy Storage System. IEEE Transactions on Energy Conversion, 2015, 30, 237-245.	3.7	18
124	Design and characteristics analysis of linear oscillatory actuator with ferrite permanent magnet for refrigerator compressor. Journal of Applied Physics, 2015, 117, .	1.1	4
125	Comparison of Characteristics of Double-Sided Permanent-Magnet Synchronous Motor/Generator According to Magnetization Patterns for Flywheel Energy Storage System Using an Analytical Method. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	4
126	Comparative Analysis of Eddy-Current Loss in Permanent Magnet Synchronous Machine Considering PM Shape and Skew Effect Using 3-D FEA. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	14

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127	Eddy-Current Loss Analysis of Noncontact Magnetic Device With Permanent Magnets Based on Analytical Field Calculations. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	27
128	Comparative Study of Armature Reaction Field Analysis for Tubular Linear Machine with Axially Magnetized Single-sided and Double-sided Permanent Magnet Based on Analytical Field Calculations. Journal of Magnetics, 2015, 20, 79-85.	0.2	2
129	Torque Analysis of Magnetic Spur Gear with Radial Magnetized Permanent Magnets based on Analytical Method. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 545-551.	0.1	1
130	Comparison and Analysis of Armature Reaction Magnetic Field of Linear Generator with Coreless/Cored Type Three Phases Concentrated Winding by using Space Harmonic Analytical Method. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 64-71.	0.1	0
131	Characteristics Analysis of Radially Magnetized Tubular type Magnetic Coupling. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 1551-1557.	0.1	0
132	Effect of Magnetization Pattern on Partial Demagnetization of Rotary Electric Machines with Ferrite Magnets. Transactions of the Korean Institute of Electrical Engineers, 2015, 64, 1679-1685.	0.1	1
133	Analytical and Experimental Study for Electromagnetic Performances of a Tubular Linear Machine with Axially Magnetized Single-sided Permanent Magnets. Journal of Magnetics, 2015, 20, 432-438.	0.2	1
134	Electromagnetic analysis and experimental testing of a light switchwith a permanent magnet generator for energy harvesting based on three dimensional finite element model. Journal of Applied Physics, 2014, 115, 17E703.	1.1	0
135	Electromagnetic Vibration Analysis and Measurements of Double-Sided Axial-Flux Permanent Magnet Generator With Slotless Stator. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	13
136	Electromagnetic Analysis and Experimental Testing of a Tubular Linear Synchronous Machine With a Double-Sided Axially Magnetized Permanent Magnet Mover and Coreless Stator Windings by Using Semianalytical Techniques. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	13
137	Influence of Rotor Overhang Variation on Generating Performance of Axial Flux Permanent Magnet Machine Based on 3-D Analytical Method. IEEE Transactions on Magnetics, 2014, 50, 1-5.	1.2	10
138	Dynamic Characteristic Analysis of Interior Permanent Magnet Synchronous Motor Considering Varied Parameters by Outer Disturbance Based on Electromagnetic Field Analysis. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	7
139	Comparative Study of Torque Analysis for Synchronous Permanent Magnet Coupling With Parallel and Halbach Magnetized Magnets Based on Analytical Field Calculations. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	10
140	Effects of Mechanical Resonance on Vibrations of Mechanical Systems With Permanent Magnet Machines. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	4
141	Characteristic Analysis and Experiment of Surface-Mounted Type Variable-Flux Machines Considering Magnetization/Demagnetization Based on Electromagnetic Transfer Relations. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	13
142	Torque analysis and measurements of a permanent magnet type Eddy current brake with a Halbach magnet array based on analytical magnetic field calculations. Journal of Applied Physics, 2014, 115, 17E707.	1.1	22
143	Torque Analysis and Experimental Testing of Axial Flux Permanent Magnet Couplings Using Analytical Field Calculations Based on Two Polar Coordinate Systems. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	8
144	Design and Analysis of Interior Permanent Magnet Synchronous Motor Considering Saturated Rotor Bridge using Equivalent Magnetic Circuit. Journal of Magnetics, 2014, 19, 404-410.	0.2	13

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145	Parametric Analysis and Experimental Testing of Radial Flux Type Synchronous Permanent Magnet Coupling Based on Analytical Torque Calculations. Journal of Electrical Engineering and Technology, 2014, 9, 926-931.	1.2	7
146	Eddy Current Loss Analysis in Radial Flux Type Synchronous Permanent Magnet Coupling using Space Harmonic Methods. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1377-1383.	0.1	2
147	Improvement of Measuring Capacity of the DC High-voltage Divider for a National High-voltage Standard. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1622-1625.	0.1	1
148	A Comparative Study on the Exterior Rotor BLDC Motor According to the Rotor Permanent Magnet Shape. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 237-244.	0.1	2
149	Analytical Prediction and Experimental Verification of Electromagnetic Performance of a Surface-Mounted Permanent Magnet Motor having a Fractional Slot/Pole Number Combination. Journal of Magnetics, 2014, 19, 84-89.	0.2	6
150	FFT-Based Position Estimation in Switched Reluctance Motor Drives. Journal of Magnetics, 2014, 19, 90-100.	0.2	5
151	Characteristic Analysis of Double sided Permanent Magnet Linear Generator by using Analytical Method. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 652-659.	0.1	1
152	Characteristic Analysis of Direct-Drive Wind Power Generator considering Permanent Magnet Shape and Skew Effects to Reduce Torque Ripple Based on Analytical Approach. IEEE Transactions on Magnetics, 2013, 49, 3917-3920.	1.2	7
153	Torque Analysis and Measurements of Cylindrical Air-Gap Synchronous Permanent Magnet Couplings Based on Analytical Magnetic Field Calculations. IEEE Transactions on Magnetics, 2013, 49, 3921-3924.	1.2	22
154	Comparative Investigation on Integrated System of Permanent Magnet Synchronous Generator and Power Converter Based on Machine Topology for Small-Scale Wind Power Application. IEEE Transactions on Magnetics, 2013, 49, 3846-3849.	1.2	10
155	Design and Analysis of Axial Permanent Magnet Couplings Based on 3D FEM. IEEE Transactions on Magnetics, 2013, 49, 3985-3988.	1.2	30
156	Design Considerations of Linear Electromagnetic Actuator for Hybrid-Type Active Mount Damper. IEEE Transactions on Magnetics, 2013, 49, 4080-4083.	1.2	10
157	Analytical Torque Calculations and Experimental Testing of Permanent Magnet Axial Eddy Current Brake. IEEE Transactions on Magnetics, 2013, 49, 4152-4155.	1.2	77
158	Characteristic Analysis of Grid-Connected PM Wind Power Generators based on Transfer Relations and Performance Evaluation. IEEE Transactions on Energy Conversion, 2013, 28, 969-978.	3.7	4
159	Influence of AC-DC-DC converter on radial/axial flux permanent magnet wind power generators with mechanical energy storage system. , 2013, , .		1
160	General vibration characteristics for stators of electric machines. , 2013, , .		2
161	Optimum Design of Stator and Rotor Shape for Cogging Torque Reduction in Interior Permanent Magnet Synchronous Motors. Journal of Power Electronics, 2013, 13, 546-551.	0.9	5
162	Analysis on induced lightning of an existing distribution line and a distribution line including a neutral wire using a down scaled simulation line model. , 2013, , .		0

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163	Characteristic analysis and comparison of axial flux machines according to magnetization pattern for 500â€‰W-class wind power generator application. Journal of Applied Physics, 2012, 111, .	1.1	0
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