

Jin Hur

List of Publications by Year in descending order

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195
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195
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of 300-Turn Smart Insulation Race-Track Coil in External Fluctuating Magnetic Field. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
2	Charging Characteristics of 2G HTS Coils With Insulation, Metal-Insulation, Non-Insulation, and Smart-Insulation Using Circuit Simulations. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
3	Fault Mechanism Analysis of Irreversible Demagnetization Due to the Dynamic Eccentricity of IPMSM for EV Traction. IEEE Access, 2022, 10, 64483-64494.	4.2	6
4	Multiple Sensor Fault Detection Algorithm for Fault Tolerant Control of BLDC Motor. Electronics (Switzerland), 2021, 10, 1038.	3.1	7
5	Design and Analysis of a Dual Airgap Radial Flux Permanent Magnet Vernier Machine with Yokeless Rotor. Energies, 2021, 14, 2311.	3.1	6
6	Comparison of Fault Characteristics According to Winding Configurations for Dual Three-Phase Synchronous Reluctance Motor. IEEE Transactions on Industry Applications, 2021, 57, 2398-2406.	4.9	10
7	Proposing New Planar-Type Search Coil for Permanent Magnet Synchronous Motor: Design and Application for Position Estimation. IEEE Access, 2021, 9, 129078-129087.	4.2	10
8	Shaft Voltage Reduction Method Using Carrier Wave Phase Shift in IPMSM. Energies, 2021, 14, 6924.	3.1	2
9	Dual Stator Permanent Magnet Vernier Machine With Yokeless Rotor Having Single Stator Winding for Torque Density Improvement. IEEE Access, 2021, 9, 151155-151166.	4.2	3
10	Eccentricity fault diagnosis method using the harmonic extractor in BLDC motor. , 2021, , .		0
11	A Direct Redundancy Approach to Fault-Tolerant Control of BLDC Motor With a Damaged Hall-Effect Sensor. IEEE Transactions on Power Electronics, 2020, 35, 1732-1741.	7.9	25
12	A Torque Angle-Based Fault Detection and Identification Technique for IPMSM. IEEE Transactions on Industry Applications, 2020, 56, 170-182.	4.9	19
13	Analysis of Inter-Turn-Short Fault in an FSCW IPM Type Brushless Motor Considering Effect of Control Drive. IEEE Transactions on Industry Applications, 2020, 56, 1356-1367.	4.9	20
14	Application of Perovskite Layer to Rotor for Enhanced Stator-Rotor Capacitance for PMSM Shaft Voltage Reduction. Energies, 2020, 13, 5762.	3.1	3
15	Detection and Identification of Demagnetization and Bearing Faults in PMSM Using Transfer Learning-Based VGG. Energies, 2020, 13, 3834.	3.1	29
16	Torque characteristics analysis of dual-airgap spoke-type permanent-magnet Vernier machine considering pole ratio effect. Electrical Engineering, 2020, 102, 1405-1412.	2.0	4
17	Frequency Response Analysis in Motors with Shaft Voltage Mitigation Methods. Transactions of the Korean Institute of Electrical Engineers, 2020, 69, 427-434.	0.1	0
18	Comparison of Frequency Responses of the Motors with Bearing Voltage Reduction Structures. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Irreversible Demagnetization Fault Prognosis in a Permanent Magnet type Machines. , 2020, , .		3
20	Detection Technique for Manufacturing Imperefection of Rare-earth Magnets on IPMSM. , 2020, , .		0
21	Online Detection of Irreversible Demagnetization Fault with Non-excited Phase Voltage in Brushless DC Motor Drive System. , 2020, , .		4
22	Optimized Design of PMSM With Hybrid-Type Permanent Magnet for Improving Performance and Reliability. IEEE Transactions on Industry Applications, 2019, 55, 4692-4701.	4.9	44
23	Simplified Equivalent Model of PMSM With Inter-Turn Fault. IEEE Transactions on Industry Applications, 2019, 55, 2629-2636.	4.9	12
24	2G HTS Racetrack Coil Protection Using Smart Switching Feature of V_{2O3} . IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	10
25	Mitigation Method of Slot Harmonic Cogging Torque Considering Unevenly Magnetized Permanent Magnets in PMSM. Energies, 2019, 12, 3887.	3.1	1
26	Comparison of Fault Characteristics for Dual Three-Phase Synchronous Reluctance Motor. , 2019, , .		9
27	Bearing Fault Detection Using Low-Frequency Total Components in phase current. , 2019, , .		0
28	Online Diagnosis and Severity Estimation of Partial and Uniform Irreversible Demagnetization Fault in Interior Permanent Magnet Synchronous Motor. , 2019, , .		18
29	Stochastic Analysis for Influence of Manufacturing Tolerance of Permanent Magnet on Performance of IPMSM. , 2019, , .		1
30	Shaft-to-Frame Voltage Mitigation Method by Changing Winding-to-Rotor Parasitic Capacitance of IPMSM. IEEE Transactions on Industry Applications, 2019, 55, 1430-1436.	4.9	23
31	2G HTS Magnet With Smart Insulation Method. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	11
32	Enhancement of 2G HTS Coil Stability With V_2O_3 and Perforated HTS Wire. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	10
33	Accelerated Life Test of Bearing Under Electrical Stress. , 2018, , .		1
34	Comparative Analysis of Six-Step and Vector Controlled IPMSM under Inter-Turn Fault. , 2018, , .		4
35	Frame-to-Shaft Voltage and End-to-End Shaft Voltage Analysis According to Eccentricity in IPMSMs. , 2018, , .		5
36	Accelerated Life Test of Bearing Under Electrical Stress. , 2018, , .		1

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37	A Novel Fault Diagnosis Technique for IPMSM Using Voltage Angle. , 2018, , .		7
38	A Comprehensive Review of Winding Short Circuit Fault and Irreversible Demagnetization Fault Detection in PM Type Machines. Energies, 2018, 11, 3309.	3.1	49
39	Improvement in Stability and Operating Characteristics of HTS Coil Using MIT Material. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	23
40	Mitigation Method of the Shaft Voltage According to Parasitic Capacitance of the PMSM. IEEE Transactions on Industry Applications, 2017, 53, 4441-4449.	4.9	37
41	Optimization Design of PMSM With Hybrid-Type Permanent Magnet Considering Irreversible Demagnetization. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	24
42	Design technique for PMSM with hybrid type permanent magnet. , 2017, , .		1
43	Shaft-to-frame voltage mitigation method by changing winding-to-rotor parasitic capacitance of IPMSM. , 2017, , .		3
44	Dynamic Characteristic Analysis of Irreversible Demagnetization in SPM- and IPM-Type BLDC Motors. IEEE Transactions on Industry Applications, 2017, 53, 982-990.	4.9	36
45	Detection Technique for Stator Inter-Turn Faults in BLDC Motors Based on Third-Harmonic Components of Line Currents. IEEE Transactions on Industry Applications, 2017, 53, 143-150.	4.9	47
46	Simplified equivalent model of PMSM with inter-turn fault. , 2017, , .		3
47	Simplified equivalent model of PMSM for analyzing influence of inter-turn fault on motor characteristics. , 2017, , .		0
48	Pseudo-sensorless control of PMSM with linear hall-effect sensor. , 2017, , .		9
49	Analysis of cogging torque and torque ripple according to unevenly magnetized permanent magnets pattern in PMSM. , 2017, , .		8
50	Distortion voltage compensation in field-weakening region of IPMSM. , 2017, , .		1
51	Optimized design of PMSM with hybrid type permanent magnet for improving performance and reliability. , 2017, , .		4
52	Shaft-to-frame voltage suppressing approach by applying eletromagnetic shield in IPMSM. , 2017, , .		7
53	Mitigation method of the shaft voltage according to parasitic capacitance of the PMSM. , 2016, , .		1
54	Reduction method based on looped slot wedges for end to end shaft voltage in inverter driven IPM motor. , 2016, , .		0

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55	Characteristics of irreversible demagnetization in accordance with phase advance angle in IPM-type BLDC motor. , 2016, , .		2
56	A Novel Proposal to Improve Reliability of Spoke-Type BLDC Motor Using Ferrite Permanent Magnet. IEEE Transactions on Industry Applications, 2016, 52, 3814-3821.	4.9	25
57	New Equivalent Circuit of the IPM-Type BLDC Motor for Calculation of Shaft Voltage by Considering Electric and Magnetic Fields. IEEE Transactions on Industry Applications, 2016, 52, 3763-3771.	4.9	33
58	Electrical Characteristic Analysis According to Contact Resistance Between Turns of HTS Coil. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	6
59	Detection of Inter-Turn and Dynamic Eccentricity Faults Using Stator Current Frequency Pattern in IPM-Type BLDC Motors. IEEE Transactions on Industrial Electronics, 2016, 63, 1771-1780.	7.9	104
60	Demagnetization Detection for IPM-type BLDCMs According to Irreversible Demagnetization Patterns and Pole-Slot Coefficients. Journal of Power Electronics, 2016, 16, 48-56.	1.5	0
61	Simplified d-q Equivalent Circuit of IPMSM Considering Inter-Turn Fault State. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 1355-1361.	0.1	0
62	Analysis of an armature reaction effect in the case of a special spoke type BLDC motor using a ferrite permanent-magnet. , 2015, , .		0
63	Light-load efficiency improving algorithm in cascaded buck-boost converter. , 2015, , .		2
64	Detection technique for stator inter-turn faults in BLDC motors based on third harmonic components of line currents. , 2015, , .		6
65	Dynamic characteristic analysis of irreversible demagnetization in SPM- and IPM- type BLDC motors. , 2015, , .		1
66	New equivalent circuit of the IPM-type BLDC motor for calculation of shaft voltage by considering electric and magnetic fields. , 2015, , .		2
67	A novel proposal to improve reliability of spoke-type BLDC motor using ferrite permanent magnet. , 2015, , .		1
68	Study of Magnetomotive Force Control Type Superconducting Magnet Using BSCCO HTS Wire. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	3
69	Diagnosis technique for stator winding inter-turn fault in BLDC motor using detection coil. , 2015, , .		10
70	Comparison Analysis of Demagnetization and Torque Ripple in Accordance With Freewheeling Current in PM BLDC Motor. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
71	Fault Detection of Irreversible Demagnetization Based on Space Harmonics According to Equivalent Magnetizing Distribution. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	18
72	Determining the Operating Current of No-Insulation Field Coils in HTS Generators. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	8

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73	BEMF characteristic analysis of IPM type motor according to demagnetization pattern of permanent magnet. , 2015, , .		3
74	Magnetic Field Analysis of Irreversible Demagnetization in Brushless DC Motor According to the Dynamic and Static Characteristic. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
75	Irreversible demagnetization diagnosis of IPM-type BLDC motor using BEMF harmonic characteristics based on space harmonics. , 2015, , .		1
76	Comparative analysis of scalar and vector control drives of IPMSM under inter-turn fault condition considering nonlinearities. , 2015, , .		8
77	Early Detection Technique for Stator Winding Inter-Turn Fault in BLDC Motor Using Input Impedance. IEEE Transactions on Industry Applications, 2015, 51, 240-247.	4.9	41
78	Inter-turn fault tolerant control system in brushless DC motor by using yoke winding. , 2014, , .		0
79	Design and analysis of modified spoke type BLDC motor using a ferrite permanent-magnet. , 2014, , .		3
80	Optimal DC-link voltage balancing control for 3-level half-bridge series resonant DC-DC converter. , 2014, , .		1
81	Design of an portable emergency power supply with multi input sources. , 2014, , .		3
82	Comparison of the Fault Characteristics of IPM-Type and SPM-Type BLDC Motors Under Inter-Turn Fault Conditions Using Winding Function Theory. IEEE Transactions on Industry Applications, 2014, 50, 986-994.	4.9	35
83	Transient Analysis of Irreversible Demagnetization of Permanent-Magnet Brushless DC Motor With Interturn Fault Under the Operating State. IEEE Transactions on Industry Applications, 2014, 50, 3357-3364.	4.9	50
84	Diagnosis Technique Using a Detection Coil in BLDC Motors With Interturn Faults. IEEE Transactions on Magnetics, 2014, 50, 885-888.	2.1	30
85	Design and Optimization of Neodymium-Free SPOKE-Type Motor With Segmented Wing-Shaped PM. IEEE Transactions on Magnetics, 2014, 50, 865-868.	2.1	79
86	Quasi-Zero Torque Pulsation of Surface Permanent Magnet Synchronous Motor for Ship Gyro Stabilizer by Pole/Slot Number and Air-Gap Designs. IEEE Transactions on Magnetics, 2014, 50, 797-800.	2.1	11
87	Finite-Element Analysis of the Demagnetization of IPM-Type BLDC Motor With Stator Turn Fault. IEEE Transactions on Magnetics, 2014, 50, 889-892.	2.1	54
88	Study of Hybrid-Type Field Coil for Superconducting Rotating Machines. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	3
89	Design and Analysis of a Permanent-Magnet-Assisted Switched Reluctance Motor. Journal of Electrical Engineering and Technology, 2014, 9, 2209-2217.	2.0	2
90	Optimization of Magnetic Flux-path Design for Reduction of Shaft Voltage in IPM-Type BLDC Motor. Journal of Electrical Engineering and Technology, 2014, 9, 2187-2193.	2.0	5

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91	Design and Analysis of a Spoke Type Motor With Segmented Pushing Permanent Magnet for Concentrating Air-Gap Flux Density. IEEE Transactions on Magnetics, 2013, 49, 2397-2400.	2.1	46
92	Performance Interpretation Method for Electrical Tractor Based on Model-Based Design. , 2013, , .		2
93	Early detection technique for stator winding inter-turn fault in BLDC motor using input impedance. , 2013, , .		24
94	Optimization Methods of Torque Density for Developing the Neodymium Free SPOKE-Type BLDC Motor. IEEE Transactions on Magnetics, 2013, 49, 2173-2176.	2.1	54
95	Transient analysis of irreversible demagnetization of permanent magnet brushless DC motor with stator turn fault under the operating state. , 2013, , .		1
96	Fault type detection using frequency pattern of stator current in IPM-type BLDC motor under stator inter-turn, dynamic eccentricity, and coupled faults. , 2013, , .		4
97	Novel permanent-magnet-assisted switched reluctance motor (I): Concept, design, and analysis. , 2013, , .		8
98	Calculation of Distributed Magnetic Flux Density under the Stator-Turn Fault Condition. Journal of Power Electronics, 2013, 13, 552-557.	1.5	3
99	Control scheme of a novel permanent-magnet-assisted switched reluctance machine. , 2013, , .		0
100	Reduction of shaft voltage by the flux-path design in IPM-type BLDC motor. , 2013, , .		1
101	Design and analysis of neodymium free SPOKE-type motor with segmented wing shape permanent-magnet for concentrating flux density. , 2013, , .		11
102	Accurate and simple diagnosis algorithm for inter-turn fault in the BLDC motor. , 2013, , .		3
103	Suppression of Shaft Voltage by Rotor and Magnet Shape Design of IPM-Type High Voltage Motor. Journal of Electrical Engineering and Technology, 2013, 8, 938-944.	2.0	2
104	Early Detection Technique in IPM-type Motor with Stator-Turn Fault using Impedance Parameter. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 612-619.	0.1	0
105	Dynamic Analysis Algorithm of Irreversible Demagnetization of IPM-type Brushless DC Motor by Stator Turn Fault. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1661-1667.	0.1	2
106	Design and experiment of 100kW interior permanent magnet machine for ship anti heeling system. , 2012, , .		0
107	A study on the characteristics of wide bandwidth connector for automotive communication. , 2012, , .		2
108	Dynamic analysis modeling for reliability increase of IPM-type BLDCM and energy saving under Dynamic Eccentricity—Stator Inter-turn Fault Coupling. , 2012, , .		0

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109	Electromagnetic analysis of 100kW IPM machine for ship anti heeling system considering eccentricity and several operating conditions. , 2012, , .		0
110	Comparison of the fault characteristics of IPM-type and SPM-type BLDC motors under Inter-Turn Faults conditions using Winding Function Theory. , 2012, , .		10
111	Suppression of shaft voltage for preventing bearing fault of IPM-type high voltage motor in the electric vehicle. , 2012, , .		0
112	Design of new spoke type brushless DC motor for neodymium permanent magnet free. , 2012, , .		1
113	Impedance diagnosis algorithm for detecting of Inter-Turn Fault in IPM type motor. , 2012, , .		0
114	Stator and Rotor Shape Designs of Interior Permanent Magnet Type Brushless DC Motor for Reducing Torque Fluctuation. IEEE Transactions on Magnetics, 2012, 48, 4662-4665.	2.1	60
115	Characteristic analysis of Inter-turn Fault in IPM and SPM-type BLDC motor. , 2012, , .		0
116	Analyzing effects of pole/slot combination of IPM type BLDC motor under stator-turn fault condition. , 2012, , .		0
117	Magnetic characteristic analysis for detection of inter-turn fault using winding function theory. , 2012, , .		0
118	Analysis and Design of Slotted Tubular Linear Actuator for the Eco-Pedal System of a Vehicle. IEEE Transactions on Magnetics, 2012, 48, 939-942.	2.1	12
119	Finite Element Computation of Magnetic Vibration Sources in 100 kW Two Fractional-Slot Interior Permanent Magnet Machines for Ship. IEEE Transactions on Magnetics, 2012, 48, 867-870.	2.1	89
120	Simplified Impedance Modeling and Analysis for Inter-Turn Fault of IPM-type BLDC motor. Journal of Power Electronics, 2012, 12, 10-18.	1.5	18
121	A Study on Development of 1.5 [kW] Low-cost Battery Charger for NEVs(Neighborhood Electric) Tj ETQq1 1 0.784314 rgBT /Overlock 0.1		0
122	Analysis of radial forces in 100kW IPM machines for ship considering stator and rotor eccentricity. , 2011, , .		18
123	Study on 1.5 kW battery chargers for neighborhood electric vehicles. , 2011, , .		24
124	Circulating current calculation using fault modeling of IPM type BLDC motor of inter-turn fault. , 2011, , .		8
125	Design guideline of DC distribution systems for home appliances: Issues and solution. , 2011, , .		10
126	Comparison of integrated battery chargers for plug-in hybrid electric vehicles: Topology and control. , 2011, , .		5

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127	Inter-turn fault analysis of IPM type BLDC motor using fault impedance modeling. , 2011, , .		11
128	Vibration Reduction of IPM-Type BLDC Motor Using Negative Third Harmonic Elimination Method of Air-Gap Flux Density. IEEE Transactions on Industry Applications, 2011, 47, 1300-1309.	4.9	77
129	Modeling of Core Loss Resistance for Equivalent Circuit Analysis of IPMSM considering Harmonic Linkage Flux. IEEE Transactions on Magnetics, 2011, 47, 1066-1069.	2.1	65
130	Fault Analysis of IPM type BLDC Motor Using Nonlinear Modeling of Stator Inter Turn Faults. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 531-537.	0.1	0
131	Fault Tolerance Improvement of IPM Type BLDC Motor Considering Winding Configuration under a Stator Inter-Turn Fault Condition. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 524-530.	0.1	0
132	Performance Improvement of IPM-type BLDC Motor Using the Influx Method of Spatial Harmonic in Air-gap Flux Density. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 739-745.	0.1	0
133	A Study on the Control of Electro-Hydraulic Motors Using Ahead Predictive Adaptive Control Method. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1360-1365.	0.1	0
134	A Study on the Parameters Estimation of Electro-Hydraulic Servo Systems Using RMSM. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1510-1514.	0.1	0
135	Analysis of Electromagnetic Vibration Sources in 100kW Interior Permanent Magnet Motor for Ship Anti-heeling Pump Considering Eccentricity. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 2230-2235.	0.1	0
136	Characteristic analysis of IPM type BLDC motor considering the demagnetization of PM by stator turn fault. , 2010, , .		8
137	Vibration reduction of IPM type BLDC motor using negative third harmonic elimination method of air-gap flux density. , 2010, , .		5
138	Fault analysis of IPM type BLDC motor using nonlinear modeling of stator inter turn faults. , 2010, , .		4
139	The novel method for vibration reduction of IPM type BLDC motor. , 2010, , .		0
140	Rotor Shape Design of an Interior PM Type BLDC Motor for Improving Mechanical Vibration and EMI Characteristics. Journal of Electrical Engineering and Technology, 2010, 5, 462-467.	2.0	26
141	Optimal design for cogging torque reduction in BLDC motor using the response surface method. , 2009, , .		4
142	The shape design of interior type permanent magnet BLDC motor for minimization of mechanical vibration. , 2009, , .		13
143	Comparative analysis of CCM and DCM modes of interleaved boost converters for fuel cell electric vehicles. , 2009, , .		2
144	Analysis of low frequency current ripples in Fuel Cell Electric Vehicles considering driving conditions. , 2009, , .		1

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145	A Parallel Operation Algorithm with Power-Sharing Technique for FC Generation Systems. , 2009, , .		1
146	A Novel Cogging Torque Reduction Method for Interior-Type Permanent-Magnet Motor. IEEE Transactions on Industry Applications, 2009, 45, 161-167.	4.9	124
147	Characteristic Analysis of Interior Permanent-Magnet Synchronous Motor in Electrohydraulic Power Steering Systems. IEEE Transactions on Industrial Electronics, 2008, 55, 2316-2323.	7.9	77
148	A study on BLDC motor for blower system considering vibration. , 2008, , .		1
149	Cost effective PAM inverter for 42V hybrid electric vehicles (HEV). , 2008, , .		6
150	A Feasibility Design of PEMFC Parallel Operation for a Fuel Cell Generation System. Journal of Electrical Engineering and Technology, 2008, 3, 408-421.	2.0	4
151	Development of an Electric Driven Pump Unit for Electro-Hydraulic Power Steering of 42V Automobile. , 2007, , .		2
152	The Design and Fabrication of BLDC Motor and Drive for 42V Automotive Applications. , 2007, , .		7
153	Fuzzy-Logic-Based Vector Control Scheme for Permanent-Magnet Synchronous Motors in Elevator Drive Applications. IEEE Transactions on Industrial Electronics, 2007, 54, 2190-2200.	7.9	32
154	Fuel Cell Generation System With a New Active Clamping Current-Fed Half-Bridge Converter. IEEE Transactions on Energy Conversion, 2007, 22, 332-340.	5.2	160
155	On the Feasibility of the Brushless DC (BLDC) Motor and Controller for 42V Automotive Cooling Fan System. , 2007, , .		3
156	A Novel Ultrasonic Motor Using Orthogonal Bimorphs. IEEE Transactions on Magnetics, 2007, 43, 1413-1416.	2.1	2
157	Design of a fuel cell generation system using a PEMFC simulator. Electric Power Systems Research, 2007, 77, 1257-1264.	3.6	7
158	Development of High-efficiency 42V Cooling Fan Motor for Hybrid Electric Vehicle Applications. , 2006, , .		2
159	A Study on Hybrid Energy Storage System for 42V Automotive Power-net. , 2006, , .		6
160	Implementation of Low Cost and Advanced Slotless Brushless DC Motor Drive Using PLL Algorithm. Electric Power Components and Systems, 2006, 34, 967-984.	1.8	2
161	Characteristic analysis of the slotless axial-flux type brushless DC motors using image method. IEEE Transactions on Magnetics, 2006, 42, 1327-1330.	2.1	31
162	Determination of parameters considering magnetic nonlinearity in an interior permanent magnet synchronous motor. IEEE Transactions on Magnetics, 2006, 42, 1303-1306.	2.1	97

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163	High-Speed Position Control of Linear DC Motor for Carrier with Fast Response Using Seek Algorithm and Neural Network. <i>Electric Power Components and Systems</i> , 2004, 32, 109-120.	1.8	1
164	Prediction of Torque Characteristic on Barrier-Type SRM Using Stochastic Response Surface Methodology Combined With Moving Least Square. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 738-741.	2.1	10
165	Analysis of Single-Phase Line-Start Permanent-Magnet Motor Considering Iron Loss and Parameter Variation With Load Angle. <i>IEEE Transactions on Industry Applications</i> , 2004, 40, 797-805.	4.9	13
166	Analysis of irreversible magnet demagnetization in line-start motors based on the finite-element method. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 1488-1491.	2.1	113
167	Three-dimensional characteristic analysis of micro BLDC motor according to slotless winding shape. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2989-2991.	2.1	12
168	Modeling of switched reluctance motor using Fourier series for performance analysis. <i>Journal of Applied Physics</i> , 2003, 93, 8781-8783.	2.5	17
169	Torque characteristic analysis considering the manufacturing tolerance for electric machine by stochastic response surface method. <i>IEEE Transactions on Industry Applications</i> , 2003, 39, 713-719.	4.9	52
170	Performance analysis of a brushless dc motor due to magnetization distribution in a continuous ring magnet. <i>Journal of Applied Physics</i> , 2003, 93, 8778-8780.	2.5	3
171	Three dimensional eddy current calculation using magnetic scalar potential in conducting regions. <i>Journal of Applied Physics</i> , 2002, 91, 8314.	2.5	6
172	Performance analysis of skewed PM linear synchronous motor according to various design parameters. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 3653-3657.	2.1	59
173	3-D time-stepping analysis of induction motor by new equivalent magnetic circuit network method. <i>IEEE Transactions on Magnetics</i> , 2001, 37, 3225-3228.	2.1	10
174	3-D analysis of permanent magnet linear synchronous motor with magnet arrangement using EMCN. , 1999, , .		1
175	3-D analysis of permanent magnet linear synchronous motor with magnet arrangement using equivalent magnetic circuit network method. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3736-3738.	2.1	27
176	Dynamic analysis of radial force density in brushless DC motor using 3-D equivalent magnetic circuit network method. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 3142-3145.	2.1	23
177	Lateral characteristic analysis of PMLSM considering overhang effect by 3 dimensional equivalent magnetic circuit network method. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 3528-3531.	2.1	20
178	A method for reduction of cogging torque in brushless DC motor considering the distribution of magnetization by 3DEM CN. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 3532-3535.	2.1	22
179	A method of optimal design of single-sided linear induction motor for transit. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 4215-4217.	2.1	30
180	Shape optimization of solenoid actuator using the finite element method and numerical optimization technique. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 4140-4142.	2.1	26

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181	Analysis of PMLSM using three dimensional equivalent magnetic circuit network method. IEEE Transactions on Magnetics, 1997, 33, 4143-4145.	2.1	39
182	Shape Optimization of Solenoid Actuator Using the Finite Element Method And Numerical Optimization Technique. , 0, , .		0
183	A Method Of Optimal Design Of Single-sided Linear Induction Motor For Transit. , 0, , .		0
184	Analysis Of PMLSM Using 3 Dimensional Equivalent Magnetic Circuit Network. , 0, , .		0
185	Fast and precise position control of linear DC motor for carrier using seek control and neural network. , 0, , .		1
186	A construction method of equivalent circuit and optimization of design variables in single-phase permanent-split capacitor induction motor. , 0, , .		0
187	Analysis of permanent magnet linear synchronous motor for servo system using 3-D equivalent magnetic circuit network method. , 0, , .		5
188	Analysis of radial force density according to magnetization distribution in BLDC motor using 3-D equivalent magnetic circuit network method. , 0, , .		1
189	Torque characteristics analysis considering the tolerance of electric machine by stochastic response surface method. , 0, , .		2
190	Three dimensional characteristic analysis of micro BLDC motor according to slotless winding shape. , 0, , .		0
191	Levitation and recovery force analysis of controlled linear synchronous motor by using 3-D EMCN. , 0, , .		0
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