Guohai Liu

List of Publications by Year in Descending Order

206 papers	3,193 citations	31 h-index	48 g-index
276 ext. papers	4,073 ext. citations	3.6 avg, IF	5.92 L-index

#	Paper	IF	Citations
206	A New Fault-Tolerant Rotor Permanent Magnet Flux-Switching Motor. *IEEE Transactions on Transportation Electrification*, **2022**, 1-1	7.6	1
205	Vibration Reduction Design of Consequent Pole PM Machine by Symmetrizing Local and Global Magnetic Field. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1
204	Remedy Strategy for Five-Phase FTPMMs Under Single-Phase Short-Circuit Fault by Injecting Harmonic Currents from Third Space. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
203	A Bi-Sliding Mode PI Control of DC-Link Voltage of Three-Phase Three-Wire Shunt Active Power Filter. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2022**, 1-1	5.6	1
202	Active Disturbance Rejection Control of a Magnetic Screw Motor for High Tracking Performance. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	0
201	Induction Motor Broken Rotor Bar Fault Diagnosis Based on Third-Order Energy Operator Demodulated Current Signal. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
200	Online Diagnosis of Slight Interturn Short-Circuit Fault for a Low-Speed Permanent Magnet Synchronous Motor. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 104-113	7.6	5
199	Analysis and Application of Two-Layer Unconventional Windings for PM-Assisted Synchronous Reluctance Motors. *Energies*, **2021**, 14, 3447	3.1	0
198	Effect of Phase Shift Angle on Radial Force and Vibration Behavior in Dual Three-Phase PMSM. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 2988-2998	8.9	20
197	Analysis and Evaluation of a Linear Primary Permanent Magnet Vernier Machine With Multiharmonics. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1982-1993	8.9	8
196	Torque Calculation of Stator Modular PMa-SynRM With Asymmetric Design for Electric Vehicles. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 202-213	7.6	7
195	Torque Performance Improvement of Consequent-Pole PM Motors With Hybrid Rotor Configuration. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1561-1572	7.6	2
194	Design and Optimization of a Fault Tolerant Modular Permanent Magnet Assisted Synchronous Reluctance Motor With Torque Ripple Minimization. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8519-8530	8.9	6
193	Analysis and Design of a Fault-Tolerant Permanent Magnet Vernier Machine With Improved Power Factor. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
192	Composite Sliding Mode Control for TPMM Velocity Drive via a Disturbance Observer. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 82-94	6.8	3
191	Multi-Vectors Model Predictive Control with Voltage Error Tracking for Five-Phase PMSM Short-Circuit Fault-Tolerant Operation. *IEEE Transactions on Transportation Electrification*, **2021**, 1-1	7.6	4
190	Analysis and Reduction of Electromagnetic Vibration in Fractional-Slot Concentrated-Windings PM Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3

189	Performance Comparison of Fault-Tolerant Control for Triple Redundant 3□-Phase Phase Motors Driven by Mono-Inverter. *IEEE Transactions on Transportation Electrification*, **2021**, 1-1	7.6	1
188	Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
187	MTPA Control of Sensorless IPMSM Drive System Based on Virtual and Actual High-Frequency Signal Injection. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1516-1526	7.6	2
186	Data-Driven Virtual Inertia Control Method of Doubly Fed Wind Turbine. *Energies*, **2021**, 14, 5572	3.1	1
185	Investigation of Bread-Loaf Magnet on Vibration Performance in FSCW PMSM Considering Force Modulation Effect. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1379-1389	7.6	7
184	Multi-objective optimization design of inset-surface permanent magnet machine considering deterministic and robust performances. *Chinese Journal of Electrical Engineering*, **2021**, 7, 73-87	4	2
183	Fault-Tolerant Control of a Triple Redundant PMA-SynRM Driven Under Single-Phase Open-Circuit by Mono-Inverter. *IEEE Transactions on Power Electronics*, **2021**, 36, 11593-11605	7.2	8
182	Robust Predictive Current Control for Fault-Tolerant Operation of Five-Phase PM Motors Based on Online Stator Inductance Identification. *IEEE Transactions on Power Electronics*, **2021**, 36, 13162-13175	7.2	7
181	Disturbance-Observer-Based Direct Torque Control of Five-Phase Permanent Magnet Motor Under Open-Circuit and Short-Circuit Faults. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11907-11917	8.9	7
180	Reduction of Saturation and Unipolar Leakage Flux in Consequent-Pole PMV Machine. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	1
179	A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	7
178	A Novel Dual-Permanent-Magnet-Excited Machine With Non-Uniformly Distributed Permanent-Magnets and Flux Modulation Poles on the Stator. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 7104-7115	6.8	16
177	Sensorless Control for Five-Phase IPMSM Drives by Injecting HF Square-Wave Voltage Signal into Third Harmonic Space. *IEEE Access*, **2020**, 8, 69712-69721	3.5	9
176	Design and Analysis of a New Equivalent Magnetic Network Model for IPM Machines. *IEEE Transactions on Magnetics*, **2020**, 56, 1-12	2	10
175	Fault Tolerant Control for Five-Phase Synchronous Reluctance Motor by Third Harmonic Current Injection. *Lecture Notes in Electrical Engineering*, **2020**, 529-536	0.2	1
174	Fast calculation method of optimal flux-barrier-end position for torque ripple minimisation in SynRMs with and without PMs. *IET Electric Power Applications*, **2020**, 14, 705-715	1.8	2
173	Reduction of Torque Ripple Caused by Slot Harmonics in FSCW Spoke-Type FPM Motors by Assisted Poles. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 9613-9622	8.9	8
172	Virtual-Stator-Flux-Based Direct Torque Control of Five-Phase Fault-Tolerant Permanent-Magnet Motor With Open-Circuit Fault. *IEEE Transactions on Power Electronics*, **2020**, 35, 5007-5017	7.2	18

171	Multiobjective Deterministic and Robust Optimization Design of a New Spoke-Type Permanent Magnet Machine for the Improvement of Torque Performance. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10202-10212	8.9	15
170	Extension of Space-Vector-Signal-Injection-Based MTPA Control Into SVPWM Fault-Tolerant Operation for Five-Phase IPMSM. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 7321-7333	8.9	25
169	Design of a New Fault-Tolerant Permanent Magnet Machine With Optimized Salient Ratio and Reluctance Torque Ratio. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 6043-6054	8.9	7
168	Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. *IEEE Transactions on Energy Conversion*, **2020**, 35, 2086-2094	5.4	6
167	Unified Decoupling Vector Control of Five-Phase Permanent-Magnet Motor With Double-Phase Faults. *IEEE Access*, **2020**, 8, 152646-152658	3.5	6
166	Effects of Magnet Shape on Torque Capability of Surface-Mounted Permanent Magnet Machine for Servo Applications. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2977-2990	8.9	14
165	Principle of Torque Ripple Reduction in Synchronous Reluctance Motors With Shifted Asymmetrical Poles. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 8, 2611-2622	5.6	11
164	Improvement of torque performances in consequent-pole PM machines with optimized six-layer winding and Halbach PMs array. *International Journal of Applied Electromagnetics and Mechanics*, **2020**, 62, 109-125	0.4	
163	FCS-MPC-Based Fault-Tolerant Control of Five-Phase IPMSM for MTPA Operation. *IEEE Transactions on Power Electronics*, **2020**, 35, 2882-2894	7.2	20
162	Fault Tolerant Control Allocation Based on Adaptive Sliding Mode Control for Distributed-Driven Electric Vehicle. *Lecture Notes in Electrical Engineering*, **2020**, 251-261	0.2	0
161	A Novel Spoke-Type PM Motor With Auxiliary Salient Poles for Low Torque Pulsation. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4762-4773	8.9	39
160	. *IEEE Access*, **2019**, 7, 109340-109348	3.5	4
159	Torque Pulsation Reduction in Fractional-Slot Concentrated-Windings IPM Motors by Lowering Sub-Harmonics. *IEEE Transactions on Energy Conversion*, **2019**, 34, 2084-2095	5.4	11
158	Separation and comparison of average torque in five-phase IPM machines with distributed and fractional slot concentrated windings. *IET Electric Power Applications*, **2019**, 13, 285-293	1.8	5
157	Design Optimization of a Spoke-Type Permanent-Magnet Vernier Machine for Torque Density and Power Factor Improvement. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3446-3456	6.8	31
156	A Novel Mesh-Based Equivalent Magnetic Network for Performance Analysis and Optimal Design of Permanent Magnet Machines. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1337-1346	5.4	17
155	Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 2580-2591	8.9	22
154	Mixed FTS/H□control of vehicle active suspensions with shock road disturbance. *Vehicle System Dynamics*, **2019**, 57, 841-854	2.8	10

153	Torque ripple improvement for ferrite-assisted synchronous reluctance motor by using asymmetric flux-barrier arrangement. *International Journal of Applied Electromagnetics and Mechanics*, **2019**, 60, 479-488	0.4	2
152	A Novel Stator-PM Vernier Fault-Tolerant Machine with Consequent Pole Structure **2019**,		1
151	Improved SVPWM Fault-Tolerant Control Strategy for Five-Phase Permanent-Magnet Motor. *Energies*, **2019**, 12, 4626	3.1	2
150	Real-Time Recognition and Tracing of Moving Objects in Video Images using Background Subtraction, Kalman Filter and Particle Filter **2019**,		1
149	Torque Calculation of Five-Phase Interior Permanent Magnet Machine Using Improved Analytical Method. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1023-1032	5.4	29
148	Extension of Virtual-Signal-Injection-Based MTPA Control for Five-Phase IPMSM Into Fault-Tolerant Operation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 944-955	8.9	68
147	Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8520-8531	8.9	59
146	Analysis of a Hybrid Rotor Permanent Magnet Motor Based on Equivalent Magnetic Network. *IEEE Transactions on Magnetics*, **2018**, 54, 1-9	2	15
145	Adaptive Sliding Mode Fault-Tolerant Coordination Control for Four-Wheel Independently Driven Electric Vehicles. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9090-9100	8.9	65
144	Nonlinear Equivalent Magnetic Network of a Linear Permanent Magnet Vernier Machine With End Effect Consideration. *IEEE Transactions on Magnetics*, **2018**, 54, 1-9	2	21
143	Third Harmonic Current Injection in Fault-Tolerant Five-Phase Permanent-Magnet Motor Drive. *IEEE Transactions on Power Electronics*, **2018**, 33, 6970-6979	7.2	47
142	Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. *AIP Advances*, **2018**, 8, 056606	1.5	3
141	Decoupling control of a five-phase fault-tolerant permanent magnet motor by radial basis function neural network inverse. *AIP Advances*, **2018**, 8, 056634	1.5	1
140	Reducing neutral-point voltage fluctuation in NPC three-level active power filters. *Electrical Engineering*, **2018**, 100, 721-732	1.5	1
139	Dynamic Performance Improvement of Five-Phase Permanent-Magnet Motor With Short-Circuit Fault. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 145-155	8.9	23
138	Overview of permanent-magnet fault-tolerant machines: Topology and design. *CES Transactions on Electrical Machines and Systems*, **2018**, 2, 51-64	2.3	29
137	Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 4619-4630	8.9	13
136	Modeling and analysis of spoke-type permanent magnet vernier machine based on equivalent magnetic network method. *Chinese Journal of Electrical Engineering*, **2018**, 4, 96-103	4	12

135	Low-noise design of fault-tolerant flux-switching permanent-magnet machines. *IET Electric Power Applications*, **2018**, 12, 747-756	1.8	2
134	Identification of Radix puerariae starch from different geographical origins by FT-NIR spectroscopy. *International Journal of Food Properties*, **2017**, 1-11	3	1
133	Improvement of Torque Capability of Permanent-Magnet Motor by Using Hybrid Rotor Configuration. *IEEE Transactions on Energy Conversion*, **2017**, 32, 953-962	5.4	35
132	Modular Reluctance Network Simulation of a Linear Permanent-Magnet Vernier Machine Using New Mesh Generation Methods. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 5323-5332	8.9	27
131	Cost-Effective Vernier Permanent-Magnet Machine With High Torque Performance. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	16
130	Optimal Design of an Inset PM Motor With Assisted Barriers and Magnet Shifting for Improvement of Torque Characteristics. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	10
129	Quantitative analysis of yeast growth process based on FT-NIR spectroscopy integrated with Gaussian mixture regression. *RSC Advances*, **2017**, 7, 24988-24994	3.7	14
128	A Novel MTPA Control Strategy for IPMSM Drives by Space Vector Signal Injection. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 9243-9252	8.9	40
127	A novel PM motor with hybrid PM excitation and asymmetric rotor structure for high torque performance. *AIP Advances*, **2017**, 7, 056671	1.5	3
126	A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. *IEEE Transactions on Magnetics*, **2017**, 53, 1-12	2	18
125	Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. *IEEE Transactions on Magnetics*, **2017**, 53, 1-13	2	35
124	Biogeography-based learning particle swarm optimization. *Soft Computing*, **2017**, 21, 7519-7541	3.5	112
123	Vibration prediction in fault-tolerant flux-switching permanent-magnet machine under healthy and faulty conditions. *IET Electric Power Applications*, **2017**, 11, 19-28	1.8	7
122	Dynamic soft sensor development based on Gaussian mixture regression for fermentation processes. *Chinese Journal of Chemical Engineering*, **2017**, 25, 116-122	3.2	20
121	Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. *IEEE Transactions on Energy Conversion*, **2017**, 32, 12-22	5.4	35
120	Remedial Field-Oriented Control of Five-Phase Fault-Tolerant Permanent-Magnet Motor by Using Reduced-Order Transformation Matrices. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 169-178	8.9	75
119	Hybrid Stator Design of Fault-Tolerant Permanent-Magnet Vernier Machines for Direct-Drive Applications. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 179-190	8.9	60
118	Band selection in sentinel-2 satellite for agriculture applications **2017**,		21

117	Regulation of High-Efficiency Region in Permanent Magnet Machines According to a Given Driving Cycle. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5	2	3
116	Design and analysis of a novel modular six-phase linear permanent-magnet vernier machine **2017**,		2
115	Exploring the Environment/Energy Pareto Optimal Front of an Office Room Using Computational Fluid Dynamics-Based Interactive Optimization Method. *Energies*, **2017**, 10, 231	3.1	9
114	DDI-based finite-time stability analysis for nonlinear switched systems with time-varying delays. *International Journal of Systems Science*, **2016**, 47, 3027-3035	2.3	7
113	Stator-Excited Vernier High-Temperature Superconducting Machine for Direct Drive Propulsion. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	2
112	Analysis of Magnet Material Effects on Performances of Fault-Tolerant PM Vernier Machines. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	3
111	Biogeography-based optimization with covariance matrix based migration. *Applied Soft Computing Journal*, **2016**, 45, 71-85	7.5	39
110	Design and Analysis of Five-Phase Fault-Tolerant Interior Permanent-Magnet Vernier Machine. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	9
109	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. *Energy*, **2016**, 99, 170-180	7.9	217
108	Design and Analysis of New Vernier Permanent-Magnet Machine With Improved Torque Capability. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	26
107	Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	10
106	High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	18
105	Learning discriminative shape statistics distribution features for pedestrian detection. *Neurocomputing*, **2016**, 184, 66-77	5.4	6
104	Design and Analysis of a Linear Permanent- Magnet Vernier Machine With Improved Force Density. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 2072-2082	8.9	103
103	Design of a New Magnetic Screw With Discretized PMs. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	14
102	Comparison of Two SVPWM Control Strategies of Five-Phase Fault-Tolerant Permanent-Magnet Motor. *IEEE Transactions on Power Electronics*, **2016**, 31, 6621-6630	7.2	69
101	Soft sensor based on Gaussian process regression and its application in erythromycin fermentation process. *Chemical Industry and Chemical Engineering Quarterly*, **2016**, 22, 127-135	0.7	6
100	Electromagnetic Structure Design Study of Fault-Tolerant Interior Permanent Magnet Machines for Electric Vehicles Using Harmonic Order Shaping. *Journal of Magnetics*, **2016**, 21, 561-569	1.9	

99	A Novel Flux Focusing Magnetically Geared Machine with Reduced Eddy Current Loss. *Energies*, **2016**, 9, 904	3.1	2
98	HYBRID EXCITED VERNIER MACHINES WITH ALL EXCITATION SOURCES ON THE STATOR FOR ELECTRIC VEHICLES. *Progress in Electromagnetics Research M*, **2016**, 46, 113-123	0.6	6
97	New Smith Internal Model Control of Two-Motor Drive System Based on Neural Network Generalized Inverse. *Journal of Control Science and Engineering*, **2016**, 2016, 1-12	1.2	1
96	Comparison of Excitation Topologies for Fully Stator-HTS Fault-Tolerant Machines. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	0
95	Combined Fault-Tolerant Control with Optimal Control Allocation for Four-Wheel Independently Driven Electric Vehicles **2016**,		2
94	Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	4
93	Multi-objective optimization for building performance design considering thermal comfort and energy consumption **2016**,		1
92	Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. *IEEE Transactions on Energy Conversion*, **2015**, 30, 1483-1495	5.4	46
91	Monitoring the wheat straw fermentation process using an electronic nose with pattern recognition methods. *Analytical Methods*, **2015**, 7, 6006-6011	3.2	10
90	Identification of solid state fermentation degree with FT-NIR spectroscopy: Comparison of wavelength variable selection methods of CARS and SCARS. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 149, 1-7	4.4	44
89	Design and Analysis of a New Linear Wound-Field Flux Reversal Machine Based on Magnetic Gear Effect. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	10
88	Recent advances in electronic nose techniques for monitoring of fermentation process. *World Journal of Microbiology and Biotechnology*, **2015**, 31, 1845-52	4.4	15
87	Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	30
86	Buildingís electricity consumption prediction using optimized artificial neural networks and principal component analysis. *Energy and Buildings*, **2015**, 108, 106-113	7	128
85	Novel hybrid soft computing pattern recognition system SVM□APSO for classification of eight different hand motions. *Optik*, **2015**, 126, 4757-4762	2.5	11
84	Intelligent myoelectric pattern recognition system of 11 hand motions using ant colony optimisation method. *International Journal of Intelligent Systems Technologies and Applications*, **2015**, 14, 110	0.5	1
83	A general optimization framework for complex PDE models based on data interactive mechanism **2015**,		1
82	COMPUTATIONAL FLUID DYNAMICS THERMAL PREDICTION OF FAULT-TOLERANT PERMANENT-MAGNET MOTOR USING A SIMPLIFIED EQUIVALENT MODEL. *Progress in Electromagnetics Research M*, **2015**, 42, 199-209	0.6	3

81	Finite-Time Consensus Algorithm for Multiple Nonholonomic Disturbed Systems with Its Application. *Mathematical Problems in Engineering*, **2015**, 2015, 1-10	1.1	5
80	MODELING AND ANALYSIS OF HALBACH MAGNETIZED PERMANENT-MAGNETS MACHINE BY USING LUMPED PARAMETER MAGNETIC CIRCUIT METHOD. *Progress in Electromagnetics Research M*, **2015**, 41, 177-188	0.6	3
79	Design and Analysis of Coaxial Magnetic Gears Considering Rotor Losses. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	5
78	Thermal prediction of a fault tolerant permanent magnet vernier machine **2015**,		1
77	Analysis of New Modular Linear Flux Reversal Permanent Magnet Motors. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	12
76	Monitoring of solid-state fermentation of protein feed by electronic nose and chemometric analysis. *Process Biochemistry*, **2014**, 49, 583-588	4.8	14
75	Design and Analysis of a New Modular Linear Flux-Reversal Permanent-Magnet Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	21
74	Design and Analysis of a New Fully Stator-HTS Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	6
73	Design and Analysis of a New Fault-Tolerant Magnetic-Geared Permanent-Magnet Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	2
72	New High Force Density Tubular Permanent-Magnet Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	13
71	Design and Comparison of Two Fault-Tolerant Interior-Permanent-Magnet Motors. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 6615-6623	8.9	51
70	Pattern Recognition of Eight Hand Motions Using Feature Extraction of Forearm EMG Signal. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2014**, 84, 473-480	0.9	27
69	Comparative study of myoelectric pattern recognition based on wavelet analysis. *International Journal of Biomedical Engineering and Technology*, **2014**, 16, 14	1.3	2
68	Design and analysis of linear fault-tolerant permanent-magnet vernier machines. *Scientific World Journal, The*, **2014**, 2014, 483080	2.2	3
67	Design and experimental validation for direct-drive fault-tolerant permanent-magnet vernier machines. *Scientific World Journal, The*, **2014**, 2014, 241085	2.2	3
66	An Experimental Investigation of MLPNN and GRNN Classification Methods for Evaluation of Different sEMG-Extracted Features. *Recent Patents on Computer Science*, **2014**, 7, 31-37	1	
65	. *IEEE Transactions on Magnetics*, **2014**, 50, 1-10	2	22
64	Analysis of Power Loss in Transformerless Grid Connected PV Inverter. *Lecture Notes in Electrical Engineering*, **2014**, 663-670	0.2	

63	A Neural Network Combined Inverse Controller for a Two-Rear-Wheel Independently Driven Electric Vehicle. *Energies*, **2014**, 7, 4614-4628	3.1	7
62	Mitigation of acoustic noise by minimize torque and radial force fluctuation in fault tolerant permanent magnet machines **2014**,		6
61	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	31
60	Observer-based finite-time tracking control for formations of mobile robots **2014**,		1
59	Simplified thermal modeling of fault-tolerant permanent-magnet motor by using lumped parameter network **2014**,		3
58	Cost Reduction of a New Fault-Tolerant Halbach Permanent Magnet Machine Using Ferrite Magnet. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	8
57	Output feedback control of nonlinear systems with uncertain ISS/iISS supply rates and noises. *Nonlinear Analysis: Modelling and Control*, **2014**, 19, 286-299	1.3	11
56	Control Strategy of Grid-Connected Inverter Suppressing Grid-Voltage Background Harmonics Based on the Improved Passive Damping Method. *Lecture Notes in Electrical Engineering*, **2014**, 595-603	0.2	
55	Combined Exact Feedback Linearization and Double Hysteresis Control for Active Power Filter. *Lecture Notes in Electrical Engineering*, **2014**, 885-893	0.2	
54	Real-Time Human Detection Based on Optimized Integrated Channel Features. *Communications in Computer and Information Science*, **2014**, 286-295	0.3	1
53	Qualitative and quantitative analysis in solid-state fermentation of protein feed by FT-NIR spectroscopy integrated with multivariate data analysis. *Analytical Methods*, **2013**, 5, 1872	3.2	19
52	Comparison of five topologies rotor permanent magnet motors with improved fault-tolerance **2013**,		4
51	. *IEEE Transactions on Magnetics*, **2013**, 49, 3826-3829	2	64
50	Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. *IEEE Transactions on Magnetics*, **2013**, 49, 5150-5157	2	36
49	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *IEEE Transactions on Magnetics*, **2013**, 49, 3941-3944	2	48
48	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. *IEEE Transactions on Magnetics*, **2013**, 49, 3901-3904	2	40
47	A Fault-Tolerant Electronic Differential System of Electric Vehicles **2013**,		2
46	Internal Model Control of Permanent Magnet Synchronous Motor Using Support Vector Machine Generalized Inverse. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 890-898	11.9	59

45	A new fuzzy adaptive combined-inversion control of two-motor drive system **2013**,		1
44	Development of improved inverse compensator for two-dimensional sensor **2013**,		1
43	Novel Ideas for Evaluating a Detection Method for the Harmonic and Reactive Currents of a Single-Phase Active Power Filter. *Lecture Notes in Electrical Engineering*, **2013**, 35-40	0.2	
42	Monitoring of solid-state fermentation of wheat straw in a pilot scale using FT-NIR spectroscopy and support vector data description. *Microchemical Journal*, **2012**, 102, 68-74	4.8	40
41	Design of a spoke-type permanent-magnet motor with optimal winding configuration for electric vehicle applications. *Journal of Applied Physics*, **2012**, 111, 07E710	2.5	9
40	Neural Network Based Internal Model Decoupling Control of Three-motor Drive System. *Electric Power Components and Systems*, **2012**, 40, 1621-1638	1	9
39	Permanent magnet online magnetization performance analysis of a flux mnemonic double salient motor using an improved hysteresis model. *Journal of Applied Physics*, **2012**, 111, 07D119	2.5	12
38	Measurement of process variables in solid-state fermentation of wheat straw using FT-NIR spectroscopy and synergy interval PLS algorithm. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 97, 277-83	4.4	43
37	Research on Power Quality Data Transfer Format Based on XML in Power Quality. *Lecture Notes in Electrical Engineering*, **2012**, 1077-1085	0.2	
36	Uniform Control of Single-Phase Two-Stage Grid-Connected Generation and Active Power Filter. *Lecture Notes in Electrical Engineering*, **2012**, 489-497	0.2	1
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34	Classification of Chinese Soybean Paste by Fourier Transform Near-Infrared (FT-NIR) Spectroscopy and Different Supervised Pattern Recognition. *Food Analytical Methods*, **2012**, 5, 928-934	3.4	16
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