Guohai Liu

List of Publications by Citations

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	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. *Energy*, **2016**, 99, 170-180	7.9	217
205	Building's electricity consumption prediction using optimized artificial neural networks and principal component analysis. *Energy and Buildings*, **2015**, 108, 106-113	7	128
204	Biogeography-based learning particle swarm optimization. *Soft Computing*, **2017**, 21, 7519-7541	3.5	112
203	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
202	Design and Analysis of a New Fault-Tolerant Permanent-Magnet Vernier Machine for Electric Vehicles. *IEEE Transactions on Magnetics*, **2012**, 48, 4176-4179	2	84
201	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
200	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
199	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
198	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
197	. *IEEE Transactions on Magnetics*, **2013**, 49, 3826-3829	2	64
196	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
195	Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8520-8531	8.9	59
194	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
193	A New Fault-Tolerant Permanent-Magnet Machine for Electric Vehicle Applications. *IEEE Transactions on Magnetics*, **2011**, 47, 4183-4186	2	53
192	Design and Comparison of Two Fault-Tolerant Interior-Permanent-Magnet Motors. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 6615-6623	8.9	51
191	Model optimization of SVM for a fermentation soft sensor. *Expert Systems With Applications*, **2010**, 37, 2708-2713	7.8	50
190	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. *IEEE Transactions on Magnetics*, **2013**, 49, 3941-3944	2	48

189	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
188	Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. *IEEE Transactions on Energy Conversion*, **2015**, 30, 1483-1495	5.4	46
187	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
186	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
185	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
184	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
183	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. *IEEE Transactions on Magnetics*, **2013**, 49, 3901-3904	2	40
182	Biogeography-based optimization with covariance matrix based migration. *Applied Soft Computing Journal*, **2016**, 45, 71-85	7.5	39
181	Randomization in particle swarm optimization for global search ability. *Expert Systems With Applications*, **2011**, 38, 15356-15364	7.8	39
180	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
179	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
178	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
177	Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. *IEEE Transactions on Magnetics*, **2017**, 53, 1-13	2	35
176	Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. *IEEE Transactions on Energy Conversion*, **2017**, 32, 12-22	5.4	35
175	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
174	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
173	Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	30
172	Overview of permanent-magnet fault-tolerant machines: Topology and design. *CES Transactions on Electrical Machines and Systems*, **2018**, 2, 51-64	2.3	29

171	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
170	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
169	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
168	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
167	Rapid determination of pH in solid-state fermentation of wheat straw by FT-NIR spectroscopy and efficient wavelengths selection. *Analytical and Bioanalytical Chemistry*, **2012**, 404, 603-11	4.4	25
166	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
165	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
164	Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 2580-2591	8.9	22
163	. *IEEE Transactions on Magnetics*, **2014**, 50, 1-10	2	22
162	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
161	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
160	Band selection in sentinel-2 satellite for agriculture applications **2017**,		21
159	Dynamic soft sensor development based on Gaussian mixture regression for fermentation processes. *Chinese Journal of Chemical Engineering*, **2017**, 25, 116-122	3.2	20
158	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
157	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
156	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
155	High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	18
154	A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. *IEEE Transactions on Magnetics*, **2017**, 53, 1-12	2	18

153	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
152	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
151	Cost-Effective Vernier Permanent-Magnet Machine With High Torque Performance. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	16
150	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
149	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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147	Analysis of a Hybrid Rotor Permanent Magnet Motor Based on Equivalent Magnetic Network. *IEEE Transactions on Magnetics*, **2018**, 54, 1-9	2	15
146	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
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143	Monitoring of solid-state fermentation of protein feed by electronic nose and chemometric analysis. *Process Biochemistry*, **2014**, 49, 583-588	4.8	14
142	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
141	New High Force Density Tubular Permanent-Magnet Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	13
140	Design and analysis of new fault-tolerant permanent magnet motors for four-wheel-driving electric vehicles. *Journal of Applied Physics*, **2012**, 111, 07E713	2.5	13
139	Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 4619-4630	8.9	13
138	Analysis of New Modular Linear Flux Reversal Permanent Magnet Motors. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	12
137	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
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	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
134	Novel hybrid soft computing pattern recognition system SVM□APSO for classification of eight different hand motions. *Optik*, **2015**, 126, 4757-4762	2.5	11
133	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
132	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
131	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
130	Monitoring the wheat straw fermentation process using an electronic nose with pattern recognition methods. *Analytical Methods*, **2015**, 7, 6006-6011	3.2	10
129	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
128	Design and Analysis of a New Equivalent Magnetic Network Model for IPM Machines. *IEEE Transactions on Magnetics*, **2020**, 56, 1-12	2	10
127	Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	10
126	Mixed FTS/H□control of vehicle active suspensions with shock road disturbance. *Vehicle System Dynamics*, **2019**, 57, 841-854	2.8	10
125	High reliability linear drive device for artificial hearts. *Journal of Applied Physics*, **2012**, 111, 07E729	2.5	10
124	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
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122	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
121	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
120	Neural Network Based Internal Model Decoupling Control of Three-motor Drive System. *Electric Power Components and Systems*, **2012**, 40, 1621-1638	1	9
119	A Novel Harmonics Detection Method Based on Wavelet Algorithm for Active Power Filter **2006**,		9
118	Cost Reduction of a New Fault-Tolerant Halbach Permanent Magnet Machine Using Ferrite Magnet. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	8

117	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
116	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
115	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
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	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
112	A Neural Network Combined Inverse Controller for a Two-Rear-Wheel Independently Driven Electric Vehicle. *Energies*, **2014**, 7, 4614-4628	3.1	7
111	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
110	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
109	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
108	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
107	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
106	A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	7
105	Learning discriminative shape statistics distribution features for pedestrian detection. *Neurocomputing*, **2016**, 184, 66-77	5.4	6
104	Design and Analysis of a New Fully Stator-HTS Motor. *IEEE Transactions on Applied Superconductivity*, **2014**, 24, 1-5	1.8	6
103	Mitigation of acoustic noise by minimize torque and radial force fluctuation in fault tolerant permanent magnet machines **2014**,		6
102	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
101	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
100	Unified Decoupling Vector Control of Five-Phase Permanent-Magnet Motor With Double-Phase Faults. *IEEE Access*, **2020**, 8, 152646-152658	3.5	6

99	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
98	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
97	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
96	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
95	Finite-Time Consensus Algorithm for Multiple Nonholonomic Disturbed Systems with Its Application. *Mathematical Problems in Engineering*, **2015**, 2015, 1-10	1.1	5
94	Design and Analysis of Coaxial Magnetic Gears Considering Rotor Losses. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	5
93	A new tubular fault-tolerant permanent-magnet motor for active vehicle suspension **2012**,		5
92	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
91	. *IEEE Access*, **2019**, 7, 109340-109348	3.5	4
90	Comparison of five topologies rotor permanent magnet motors with improved fault-tolerance **2013**,		4
89	A review of decoupling control based on multiple models **2012**,		4
88	Experimental Research on Decoupling Control of Multi-motor Variable Frequency System Based on Neural Network Generalized Inverse **2008**,		4
87	Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-5	1.8	4
86	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
85	Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
84	A novel PM motor with hybrid PM excitation and asymmetric rotor structure for high torque performance. *AIP Advances*, **2017**, 7, 056671	1.5	3
83	Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. *AIP Advances*, **2018**, 8, 056606	1.5	3
82	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

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80	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
79	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
78	Design and analysis of linear fault-tolerant permanent-magnet vernier machines. *Scientific World Journal, The*, **2014**, 2014, 483080	2.2	3
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76	Simplified thermal modeling of fault-tolerant permanent-magnet motor by using lumped parameter network **2014**,		3
75	Composite Sliding Mode Control for TPMM Velocity Drive via a Disturbance Observer. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 82-94	6.8	3
74	Analysis and Reduction of Electromagnetic Vibration in Fractional-Slot Concentrated-Windings PM Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
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70	A Fault-Tolerant Electronic Differential System of Electric Vehicles **2013**,		2
69	Design and analysis of a novel modular six-phase linear permanent-magnet vernier machine **2017**,		2
68	Classification of power quality disturbances based on random matrix transform and sparse representation **2010**,		2
67	A New Multi-parameter Monitoring System Based on Wireless Sensor Network **2009**,		2
66	A New Model Reference Adaptive Control of PMSM Using Neural Network Generalized Inverse. *Lecture Notes in Computer Science*, **2011**, 58-67	0.9	2
65	Comparison Of Two Interior Permanent-Magnet Motors With Improved Fault-Tolerance **2012**,		2
64	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

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62	A Novel Flux Focusing Magnetically Geared Machine with Reduced Eddy Current Loss. *Energies*, **2016**, 9, 904	3.1	2
61	Combined Fault-Tolerant Control with Optimal Control Allocation for Four-Wheel Independently Driven Electric Vehicles **2016**,		2
60	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
59	Improved SVPWM Fault-Tolerant Control Strategy for Five-Phase Permanent-Magnet Motor. *Energies*, **2019**, 12, 4626	3.1	2
58	Torque Performance Improvement of Consequent-Pole PM Motors With Hybrid Rotor Configuration. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1561-1572	7.6	2
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56	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
55	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
54	Identification of Radix puerariae starch from different geographical origins by FT-NIR spectroscopy. *International Journal of Food Properties*, **2017**, 1-11	3	1
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52	Reducing neutral-point voltage fluctuation in NPC three-level active power filters. *Electrical Engineering*, **2018**, 100, 721-732	1.5	1
51	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
50	A general optimization framework for complex PDE models based on data interactive mechanism **2015**,		1
49	Thermal prediction of a fault tolerant permanent magnet vernier machine **2015**,		1
48	Observer-based finite-time tracking control for formations of mobile robots **2014**,		1
47	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
46	A new fuzzy adaptive combined-inversion control of two-motor drive system **2013**,		1

45	Development of improved inverse compensator for two-dimensional sensor **2013**,		1
44	Electromagnetic analysis of a new magnetic core of transformer for a contactless electric vehicle charging **2011**,		1
43	Improved Particle Swarm Optimization Algorithm Based on Random Perturbations **2010**,		1
42	A New Control Strategy of Five-Phase Permanent-Magnet Motor Drives with a Third Harmonic Current Injection. *Key Engineering Materials*, **2011**, 464, 191-194	0.4	1
41	PMSM DTC predictive control system using SVPWM based on the subdivision of space voltage vectors **2009**,		1
40	Orientation and damage inspection of insulators based on Tchebichef moment invariants **2008**,		1
39	Lifting wavelet scheme and wavelet energy entropy theory for transient power quality detection **2008**,		1
38	Application of fast lifting wavelet transform to the estimation of harmonic for shunt active power filters **2007**,		1
37	Neural Network Inverse Synchronous Control of Two-motor Variable Frequency Speed-Regulating System		1
36	A Stator Flux-oriented Decoupling Control Scheme for Induction Motor **2007**,		1
35	A New Fault-Tolerant Rotor Permanent Magnet Flux-Switching Motor. *IEEE Transactions on Transportation Electrification*, **2022**, 1-1	7.6	1
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