Guohai Liu

List of Publications by Year
in descending order

273 papers	5,025 citations	81743 39 h-index	123241 61 g-index
276 all docs	276 docs citations	276 times ranked	3143 citing authors

#	Article	IF	Citations
1	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.	4.5	316
2	Building's electricity consumption prediction using optimized artificial neural networks and principal component analysis. Energy and Buildings, 2015, 108, 106-113.	3.1	184
3	Biogeography-based learning particle swarm optimization. Soft Computing, 2017, 21, 7519-7541.	2.1	175
4	Design and Analysis of a Linear Permanent- Magnet Vernier Machine With Improved Force Density. IEEE Transactions on Industrial Electronics, 2016, 63, 2072-2082.	5.2	149
5	Design and Analysis of a New Fault-Tolerant Permanent-Magnet Vernier Machine for Electric Vehicles. IEEE Transactions on Magnetics, 2012, 48, 4176-4179.	1.2	122
6	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.	5.2	112
7	Adaptive Sliding Mode Fault-Tolerant Coordination Control for Four-Wheel Independently Driven Electric Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 9090-9100.	5.2	106
8	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.	5.2	89
9	Hybrid Stator Design of Fault-Tolerant Permanent-Magnet Vernier Machines for Direct-Drive Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 179-190.	5.2	87
10	Quantitative Comparison for Fractional-Slot Concentrated-Winding Configurations of Permanent-Magnet Vernier Machines. IEEE Transactions on Magnetics, 2013, 49, 3826-3829.	1.2	84
11	Comparison of Two SVPWM Control Strategies of Five-Phase Fault-Tolerant Permanent-Magnet Motor. IEEE Transactions on Power Electronics, 2016, 31, 6621-6630.	5.4	82
12	Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. IEEE Transactions on Industrial Electronics, 2018, 65, 8520-8531.	5.2	82
13	Internal Model Control of Permanent Magnet Synchronous Motor Using Support Vector Machine Generalized Inverse. IEEE Transactions on Industrial Informatics, 2013, 9, 890-898.	7.2	76
14	A New Fault-Tolerant Permanent-Magnet Machine for Electric Vehicle Applications. IEEE Transactions on Magnetics, 2011, 47, 4183-4186.	1.2	74
15	Design and Comparison of Two Fault-Tolerant Interior-Permanent-Magnet Motors. IEEE Transactions on Industrial Electronics, 2014, 61, 6615-6623.	5.2	71
16	Third Harmonic Current Injection in Fault-Tolerant Five-Phase Permanent-Magnet Motor Drive. IEEE Transactions on Power Electronics, 2018, 33, 6970-6979.	5.4	69
17	Model optimization of SVM for a fermentation soft sensor. Expert Systems With Applications, 2010, 37, 2708-2713.	4.4	67
18	Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. IEEE Transactions on Energy Conversion, 2015, 30, 1483-1495.	3.7	67

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19	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. IEEE Transactions on Magnetics, 2013, 49, 3941-3944.	1.2	66
20	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.	3.9	63
21	A Novel MTPA Control Strategy for IPMSM Drives by Space Vector Signal Injection. IEEE Transactions on Industrial Electronics, 2017, 64, 9243-9252.	5.2	62
22	Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.	4.1	61
23	A Novel Spoke-Type PM Motor With Auxiliary Salient Poles for Low Torque Pulsation. IEEE Transactions on Industrial Electronics, 2020, 67, 4762-4773.	5.2	60
24	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. IEEE Transactions on Magnetics, 2013, 49, 3901-3904.	1.2	59
25	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.	2.0	58
26	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, 277-283.	2.0	54
27	Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	52
28	Randomization in particle swarm optimization for global search ability. Expert Systems With Applications, 2011, 38, 15356-15364.	4.4	51
29	Overview of permanent-magnet fault-tolerant machines: Topology and design. CES Transactions on Electrical Machines and Systems, 2018, 2, 51-64.	2.7	50
30	Improvement of Torque Capability of Permanent-Magnet Motor by Using Hybrid Rotor Configuration. IEEE Transactions on Energy Conversion, 2017, 32, 953-962.	3.7	49
31	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.	5.2	49
32	Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. IEEE Transactions on Magnetics, 2017, 53, 1-13.	1.2	49
33	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.	5.2	49
34	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.	2.3	48
35	Band selection in sentinel-2 satellite for agriculture applications. , 2017, , .		43
36	Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. IEEE Transactions on Energy Conversion, 2017, 32, 12-22.	3.7	42

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37	Dynamic Performance Improvement of Five-Phase Permanent-Magnet Motor With Short-Circuit Fault. IEEE Transactions on Industrial Electronics, 2018, 65, 145-155.	5.2	42
38	Nonlinear Adaptive Lumped Parameter Magnetic Circuit Analysis for Spoke-Type Fault-Tolerant Permanent-Magnet Motors. IEEE Transactions on Magnetics, 2013, 49, 5150-5157.	1.2	41
39	Design and Analysis of a New Modular Linear Flux-Reversal Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	40
40	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	39
41	High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	39
42	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.	5.2	39
43	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.	0.8	37
44	Design and Analysis of New Vernier Permanent-Magnet Machine With Improved Torque Capability. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	37
45	Nonlinear Equivalent Magnetic Network of a Linear Permanent Magnet Vernier Machine With End Effect Consideration. IEEE Transactions on Magnetics, 2018, 54, 1-9.	1.2	36
46	Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2019, 66, 2580-2591.	5.2	35
47	Torque Calculation of Five-Phase Interior Permanent Magnet Machine Using Improved Analytical Method. IEEE Transactions on Energy Conversion, 2019, 34, 1023-1032.	3.7	35
48	FCS-MPC-Based Fault-Tolerant Control of Five-Phase IPMSM for MTPA Operation. IEEE Transactions on Power Electronics, 2020, 35, 2882-2894.	5.4	34
49	Design and Analysis of the New High-Reliability Motors With Hybrid Permanent Magnet Material. IEEE Transactions on Magnetics, 2014, 50, 1-10.	1.2	32
50	Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. IEEE Transactions on Industrial Electronics, 2022, 69, 3368-3381.	5.2	32
51	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.	3.7	31
52	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.	5.2	31
53	Analysis and Reduction of Electromagnetic Vibration in Fractional-Slot Concentrated-Windings PM Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 3357-3367.	5.2	30
54	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, 603-611.	1.9	29

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55	Design of a New Magnetic Screw With Discretized PMs. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	28
56	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.	3.9	28
57	A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. IEEE Transactions on Magnetics, 2017, 53, 1-12.	1.2	25
58	Dynamic soft sensor development based on Gaussian mixture regression for fermentation processes. Chinese Journal of Chemical Engineering, 2017, 25, 116-122.	1.7	25
59	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.	5.4	25
60	Analysis of a Hybrid Rotor Permanent Magnet Motor Based on Equivalent Magnetic Network. IEEE Transactions on Magnetics, 2018, 54, 1-9.	1.2	23
61	Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. IEEE Transactions on Industrial Electronics, 2018, 65, 4619-4630.	5.2	22
62	Torque Pulsation Reduction in Fractional-Slot Concentrated-Windings IPM Motors by Lowering Sub-Harmonics. IEEE Transactions on Energy Conversion, 2019, 34, 2084-2095.	3.7	22
63	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.	1.3	21
64	Analysis of New Modular Linear Flux Reversal Permanent Magnet Motors. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	21
65	Cost-Effective Vernier Permanent-Magnet Machine With High Torque Performance. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	21
66	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.	5.2	21
67	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.	5.4	21
68	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.	3.7	20
69	Design and Analysis of a New Equivalent Magnetic Network Model for IPM Machines. IEEE Transactions on Magnetics, 2020, 56, 1-12.	1.2	20
70	Analysis and Design of a Fault-Tolerant Permanent Magnet Vernier Machine With Improved Power Factor. IEEE Transactions on Industrial Electronics, 2022, 69, 4353-4363.	5.2	20
71	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.	5.3	20
72	Investigation of Bread-Loaf Magnet on Vibration Performance in FSCW PMSM Considering Force Modulation Effect. IEEE Transactions on Transportation Electrification, 2021, 7, 1379-1389.	5.3	20

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73	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.	5.2	20
74	A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 1211-1223.	5.2	20
75	Design and analysis of new fault-tolerant permanent magnet motors for four-wheel-driving electric vehicles. Journal of Applied Physics, 2012, 111, .	1.1	19
76	New High Force Density Tubular Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	19
77	Recent advances in electronic nose techniques for monitoring of fermentation process. World Journal of Microbiology and Biotechnology, 2015, 31, 1845-1852.	1.7	19
78	Analysis and Evaluation of a Linear Primary Permanent Magnet Vernier Machine With Multiharmonics. IEEE Transactions on Industrial Electronics, 2021, 68, 1982-1993.	5.2	19
79	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.	1.1	18
80	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.	1.3	18
81	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.	1.2	18
82	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.	5.2	18
83	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.	5.2	18
84	Monitoring of solid-state fermentation of protein feed by electronic nose and chemometric analysis. Process Biochemistry, 2014, 49, 583-588.	1.8	17
85	Quantitative analysis of yeast growth process based on FT-NIR spectroscopy integrated with Gaussian mixture regression. RSC Advances, 2017, 7, 24988-24994.	1.7	17
86	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.	2.3	17
87	Mixed FTS/H_∞ control of vehicle active suspensions with shock road disturbance. Vehicle System Dynamics, 2019, 57, 841-854.	2.2	17
88	Torque Calculation of Stator Modular PMa-SynRM With Asymmetric Design for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2021, 7, 202-213.	5.3	17
89	High reliability linear drive device for artificial hearts. Journal of Applied Physics, 2012, 111, 07E729.	1.1	16
90	Sensorless Control for Five-Phase IPMSM Drives by Injecting HF Square-Wave Voltage Signal into Third Harmonic Space. IEEE Access, 2020, 8, 69712-69721.	2.6	16

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91	Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	15
92	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.	5.2	15
93	Output feedback control of nonlinear systems with uncertain ISS/iISS supply rates and noises. Nonlinear Analysis: Modelling and Control, 2014, 19, 286-299.	1.1	15
94	A Novel Harmonics Detection Method Based on Wavelet Algorithm for Active Power Filter. , 2006, , .		14
95	Neural Network Inverse Synchronous Control of Two-motor Variable Frequency Speed-Regulating System. , 0, , .		14
96	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.	1.2	14
97	Novel hybrid soft computing pattern recognition system SVMâ€"GAPSO for classification of eight different hand motions. Optik, 2015, 126, 4757-4762.	1.4	14
98	Monitoring the wheat straw fermentation process using an electronic nose with pattern recognition methods. Analytical Methods, 2015, 7, 6006-6011.	1.3	13
99	Design and Analysis of Five-Phase Fault-Tolerant Interior Permanent-Magnet Vernier Machine. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	13
100	Unified Decoupling Vector Control of Five-Phase Permanent-Magnet Motor With Double-Phase Faults. IEEE Access, 2020, 8, 152646-152658.	2.6	13
101	Design of a spoke-type permanent-magnet motor with optimal winding configuration for electric vehicle applications. Journal of Applied Physics, 2012, 111, .	1.1	12
102	Neural Network Based Internal Model Decoupling Control of Three-motor Drive System. Electric Power Components and Systems, 2012, 40, 1621-1638.	1.0	12
103	Design and Analysis of a New Fault-Tolerant Magnetic-Geared Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	12
104	Multivectors Model Predictive Control With Voltage Error Tracking for Five-Phase PMSM Short-Circuit Fault-Tolerant Operation. IEEE Transactions on Transportation Electrification, 2022, 8, 675-687.	5.3	12
105	Cost Reduction of a New Fault-Tolerant Halbach Permanent Magnet Machine Using Ferrite Magnet. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	11
106	Design and Analysis of a New Fully Stator-HTS Motor. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	11
107	Design and Analysis of Coaxial Magnetic Gears Considering Rotor Losses. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	11
108	Induction Motor Broken Rotor Bar Fault Diagnosis Based on Third-Order Energy Operator Demodulated Current Signal. IEEE Transactions on Energy Conversion, 2022, 37, 1052-1059.	3.7	11

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109	Exploring the Environment/Energy Pareto Optimal Front of an Office Room Using Computational Fluid Dynamics-Based Interactive Optimization Method. Energies, 2017, 10, 231.	1.6	10
110	Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. IEEE Transactions on Energy Conversion, 2020, 35, 2086-2094.	3.7	10
111	Torque Performance Improvement of Consequent-Pole PM Motors With Hybrid Rotor Configuration. IEEE Transactions on Transportation Electrification, 2021, 7, 1561-1572.	5.3	10
112	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.	5.3	10
113	Soft sensor based on Gaussian process regression and its application in erythromycin fermentation process. Chemical Industry and Chemical Engineering Quarterly, 2016, 22, 127-135.	0.4	10
114	A Neural Network Combined Inverse Controller for a Two-Rear-Wheel Independently Driven Electric Vehicle. Energies, 2014, 7, 4614-4628.	1.6	9
115	Learning discriminative shape statistics distribution features for pedestrian detection. Neurocomputing, 2016, 184, 66-77.	3.5	9
116	Vibration prediction in faultâ€tolerant fluxâ€switching permanentâ€magnet machine under healthy and faulty conditions. IET Electric Power Applications, 2017, 11, 19-28.	1.1	9
117	Consequent Pole Permanent Magnet Vernier Machine With Asymmetric Air-Gap Field Distribution. IEEE Access, 2019, 7, 109340-109348.	2.6	9
118	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.	5.4	9
119	Data-Driven Virtual Inertia Control Method of Doubly Fed Wind Turbine. Energies, 2021, 14, 5572.	1.6	8
120	Neural network inverse control of variable frequency speed-regulating system in V/F mode. , 2005, , .		7
121	Experimental Research on Decoupling Control of Multi-motor Variable Frequency System Based on Neural Network Generalized Inverse. , 2008, , .		7
122	A new tubular fault-tolerant permanent-magnet motor for active vehicle suspension. , 2012, , .		7
123	Comparison of five topologies rotor permanent magnet motors with improved fault-tolerance. , 2013, , .		7
124	Mitigation of acoustic noise by minimize torque and radial force fluctuation in fault tolerant permanent magnet machines. , 2014, , .		7
125	HYBRID EXCITED VERNIER MACHINES WITH ALL EXCITATION SOURCES ON THE STATOR FOR ELECTRIC VEHICLES. Progress in Electromagnetics Research M, 2016, 46, 113-123.	0.5	7
126	Analysis of Magnet Material Effects on Performances of Fault-Tolerant PM Vernier Machines. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	7

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127	DDI-based finite-time stability analysis for nonlinear switched systems with time-varying delays. International Journal of Systems Science, 2016, 47, 3027-3035.	3.7	7
128	A novel PM motor with hybrid PM excitation and asymmetric rotor structure for high torque performance. AIP Advances, 2017, 7, 056671.	0.6	7
129	Regulation of High-Efficiency Region in Permanent Magnet Machines According to a Given Driving Cycle. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	7
130	A New Fault-Tolerant Rotor Permanent Magnet Flux-Switching Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 3606-3617.	5.3	7
131	Estimation of induction motor speed based on artificial neural networks inversion system. , 2008, , .		6
132	A review of decoupling control based on multiple models. , 2012, , .		6
133	Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	6
134	Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. AIP Advances, 2018, 8, 056606.	0.6	6
135	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.	1.1	6
136	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.	0.3	6
137	Multi-objective optimization design of inset-surface permanent magnet machine considering deterministic and robust performances. Chinese Journal of Electrical Engineering, 2021, 7, 73-87.	2.3	6
138	PMSM DTC predictive control system using SVPWM based on the subdivision of space voltage vectors. , 2009, , .		5
139	Integrated control of active front steering and direct yaw moment for multi-wheel independently driven electric vehicles. , 2013, , .		5
140	Finite-Time Consensus Algorithm for Multiple Nonholonomic Disturbed Systems with Its Application. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	5
141	Reducing neutral-point voltage fluctuation in NPC three-level active power filters. Electrical Engineering, 2018, 100, 721-732.	1.2	5
142	Performance Comparison of Fault-Tolerant Control for Triple Redundant 3 Ã— 3-Phase Motors Driven by Mono-Inverter. IEEE Transactions on Transportation Electrification, 2022, 8, 1839-1852.	5.3	5
143	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, 37, 11152-11163.	5.4	5
144	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, 10, 7581-7588.	3.7	5

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145	Active Disturbance Rejection Control of a Magnetic Screw Motor for High Tracking Performance. IEEE Transactions on Power Electronics, 2022, 37, 9641-9651.	5.4	5
146	Lifting wavelet scheme and wavelet energy entropy theory for transient power quality detection. , 2008, , .		4
147	A New Model Reference Adaptive Control of PMSM Using Neural Network Generalized Inverse. Lecture Notes in Computer Science, 2011, , 58-67.	1.0	4
148	A Fault-Tolerant Electronic Differential System of Electric Vehicles. , 2013, , .		4
149	Design and Experimental Validation for Direct-Drive Fault-Tolerant Permanent-Magnet Vernier Machines. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	4
150	Simplified thermal modeling of fault-tolerant permanent-magnet motor by using lumped parameter network. , 2014, , .		4
151	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.	0.5	4
152	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.	0.5	4
153	Combined Fault-Tolerant Control with Optimal Control Allocation for Four-Wheel Independently Driven Electric Vehicles. , 2016, , .		4
154	Stator-Excited Vernier High-Temperature Superconducting Machine for Direct Drive Propulsion. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	4
155	Design and analysis of a novel modular six-phase linear permanent-magnet vernier machine. , 2017, , .		4
156	Low‐noise design of fault‐tolerant flux‐switching permanent‐magnet machines. IET Electric Power Applications, 2018, 12, 747-756.	1.1	4
157	A Novel Stator-PM Vernier Fault-Tolerant Machine with Consequent Pole Structure. , 2019, , .		4
158	Comparative Study of Linear Primary Permanent-Magnet Vernier Machine and Conventional Linear Permanent-Magnet Machine. , 2019, , .		4
159	Composite Sliding Mode Control for TPMM Velocity Drive via a Disturbance Observer. IEEE Transactions on Vehicular Technology, 2021, 70, 82-94.	3.9	4
160	LSSVM Inverse Control of Two-Motor Variable Frequency Speed-Regulating System. Advanced Science Letters, 2011, 4, 1208-1213.	0.2	4
161	Short-circuit fault-tolerant control for five-phase fault-tolerant permanent magnet motors with trapezoidal back-EMF. Fundamental Research, 2022, 2, 964-973.	1.6	4
162	Vibration Reduction Design of Consequent Pole PM Machine by Symmetrizing Local and Global Magnetic Field. IEEE Transactions on Industrial Electronics, 2023, 70, 243-254.	5.2	4

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163	Design to reduce electromagnetic vibration in integral-slot SPM machine considering force modulation effect. Science China Technological Sciences, 2022, 65, 1867-1877.	2.0	4
164	Decoupling Control of Radial Force in Bearingless Switched Reluctance Motors Based on Inverse System. , 2006, , .		3
165	Minimum copper loss fault-tolerant control of redundant flux-switching permanent-magnet motors. , 2011, , .		3
166	A new two-degree-of-freedom internal model decoupling control of three-motor drive system. , 2011, , .		3
167	Comparison Of Two Interior Permanent-Magnet Motors With Improved Fault-Tolerance. , 2012, , .		3
168	Thrust ripple reduction of linear flux-switching PM motor using harmonic injected current. , 2013, , .		3
169	Design and Analysis of Linear Fault-Tolerant Permanent-Magnet Vernier Machines. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	3
170	Decoupling control for five-phase fault-tolerant permanent-magnet motor by using SVM inverse system method. , 2014, , .		3
171	Comparative study of myoelectric pattern recognition based on wavelet analysis. International Journal of Biomedical Engineering and Technology, 2014, 16, 14.	0.2	3
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