Guohai Liu

List of Publications by Year
in descending order

273 papers	5,025 citations	81900 39 h-index	123424 61 g-index
276 all docs	276 docs citations	276 times ranked	3143 citing authors

#	Article	IF	Citations
1	Vibration Reduction Design of Consequent Pole PM Machine by Symmetrizing Local and Global Magnetic Field. IEEE Transactions on Industrial Electronics, 2023, 70, 243-254.	7.9	4
2	Analysis and Design of a Fault-Tolerant Permanent Magnet Vernier Machine With Improved Power Factor. IEEE Transactions on Industrial Electronics, 2022, 69, 4353-4363.	7.9	20
3	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.	7.8	12
4	Analysis and Reduction of Electromagnetic Vibration in Fractional-Slot Concentrated-Windings PM Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 3357-3367.	7.9	30
5	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.	7.8	5
6	Adjustable Model Predictive Control for IPMSM Drives Based on Online Stator Inductance Identification. IEEE Transactions on Industrial Electronics, 2022, 69, 3368-3381.	7.9	32
7	Reduction of Saturation and Unipolar Leakage Flux in Consequent-Pole PMV Machine. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1870-1880.	5.4	2
8	A Hybrid Analytical Model for Permanent Magnet Vernier Machines Considering Saturation Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 1211-1223.	7.9	20
9	Short-circuit fault-tolerant control for five-phase fault-tolerant permanent magnet motors with trapezoidal back-EMF. Fundamental Research, 2022, 2, 964-973.	3.3	4
10	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.	5.2	11
11	A New Fault-Tolerant Rotor Permanent Magnet Flux-Switching Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 3606-3617.	7.8	7
12	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.	7.9	5
13	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.	5.4	5
14	Active Disturbance Rejection Control of a Magnetic Screw Motor for High Tracking Performance. IEEE Transactions on Power Electronics, 2022, 37, 9641-9651.	7.9	5
15	Design to reduce electromagnetic vibration in integral-slot SPM machine considering force modulation effect. Science China Technological Sciences, 2022, 65, 1867-1877.	4.0	4
16	Is It Correct that the Higher Detection Accuracy of Single-Phase Shunt APF Harmonic Current Detection, the More Effective the Detection?. IEEE Instrumentation and Measurement Magazine, 2022, 25, 11-16.	1.6	0
17	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.	7.9	49
18	Analysis and Evaluation of a Linear Primary Permanent Magnet Vernier Machine With Multiharmonics. IEEE Transactions on Industrial Electronics, 2021, 68, 1982-1993.	7.9	19

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19	Torque Calculation of Stator Modular PMa-SynRM With Asymmetric Design for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2021, 7, 202-213.	7.8	17
20	Torque Performance Improvement of Consequent-Pole PM Motors With Hybrid Rotor Configuration. IEEE Transactions on Transportation Electrification, 2021, 7, 1561-1572.	7.8	10
21	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.	7.9	18
22	Composite Sliding Mode Control for TPMM Velocity Drive via a Disturbance Observer. IEEE Transactions on Vehicular Technology, 2021, 70, 82-94.	6.3	4
23	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.	7.8	20
24	Analysis and Application of Two-Layer Unconventional Windings for PM-Assisted Synchronous Reluctance Motors. Energies, 2021, 14, 3447.	3.1	1
25	Design and Analysis of a Linear-Rotary Fault-Tolerant Consequent-Pole PM Actuator. , 2021, , .		3
26	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.	7.8	10
27	Data-Driven Virtual Inertia Control Method of Doubly Fed Wind Turbine. Energies, 2021, 14, 5572.	3.1	8
28	Investigation of Bread-Loaf Magnet on Vibration Performance in FSCW PMSM Considering Force Modulation Effect. IEEE Transactions on Transportation Electrification, 2021, 7, 1379-1389.	7.8	20
29	Multi-objective optimization design of inset-surface permanent magnet machine considering deterministic and robust performances. Chinese Journal of Electrical Engineering, 2021, 7, 73-87.	3.4	6
30	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.	7.9	9
31	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.	7.9	21
32	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.	7.9	20
33	Reverse Engineering Gene Regulatory Networks Based on Dynamic Threshold Condition Mutual Information With Resampling Strategy. , 2021, , .		0
34	Path Following Model Predictive Control of 4WID High Ground Clearance Sprayer Considering the Slippage effect. , 2021, , .		0
35	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.	7.9	31
36	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.	5.4	20

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37	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.	0.6	0
38	FCS-MPC-Based Fault-Tolerant Control of Five-Phase IPMSM for MTPA Operation. IEEE Transactions on Power Electronics, 2020, 35, 2882-2894.	7.9	34
39	Fault Tolerant Control Allocation Based on Adaptive Sliding Mode Control for Distributed-Driven Electric Vehicle. Lecture Notes in Electrical Engineering, 2020, , 251-261.	0.4	1
40	A Novel Spoke-Type PM Motor With Auxiliary Salient Poles for Low Torque Pulsation. IEEE Transactions on Industrial Electronics, 2020, 67, 4762-4773.	7.9	60
41	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.	7.9	18
42	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.	7.9	25
43	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.	7.9	21
44	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.	7.9	39
45	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.	7.9	15
46	Robust Design and Optimization for a Permanent Magnet Vernier Machine With Hybrid Stator. IEEE Transactions on Energy Conversion, 2020, 35, 2086-2094.	5.2	10
47	Unified Decoupling Vector Control of Five-Phase Permanent-Magnet Motor With Double-Phase Faults. IEEE Access, 2020, 8, 152646-152658.	4.2	13
48	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.	6.3	28
49	Sensorless Control for Five-Phase IPMSM Drives by Injecting HF Square-Wave Voltage Signal into Third Harmonic Space. IEEE Access, 2020, 8, 69712-69721.	4.2	16
50	Design and Analysis of a New Equivalent Magnetic Network Model for IPM Machines. IEEE Transactions on Magnetics, 2020, 56, 1-12.	2.1	20
51	Fault Tolerant Control for Five-Phase Synchronous Reluctance Motor by Third Harmonic Current Injection. Lecture Notes in Electrical Engineering, 2020, , 529-536.	0.4	1
52	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
53	Path Tracking Control for Four-Wheel-Independent-Driven Agricultural High Clearance Sprayer with New Front-Rear-Dual-Steering-Axle. , 2020, , .		2
54	Principle of Torque-Angle Approaching in a Hybrid Rotor Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2019, 66, 2580-2591.	7.9	35

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55	Mixed FTS/H_∞ control of vehicle active suspensions with shock road disturbance. Vehicle System Dynamics, 2019, 57, 841-854.	3.7	17
56	Model Predictive Control for Steering-less EV with four Independent Motors. , 2019, , .		0
57	Consequent Pole Permanent Magnet Vernier Machine With Asymmetric Air-Gap Field Distribution. IEEE Access, 2019, 7, 109340-109348.	4.2	9
58	Torque Pulsation Reduction in Fractional-Slot Concentrated-Windings IPM Motors by Lowering Sub-Harmonics. IEEE Transactions on Energy Conversion, 2019, 34, 2084-2095.	5.2	22
59	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	6
60	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.	6.3	63
61	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.	5.2	31
62	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.	0.6	6
63	A Novel Stator-PM Vernier Fault-Tolerant Machine with Consequent Pole Structure. , 2019, , .		4
64	Improved SVPWM Fault-Tolerant Control Strategy for Five-Phase Permanent-Magnet Motor. Energies, 2019, 12, 4626.	3.1	2
65	Comparative Study of Linear Primary Permanent-Magnet Vernier Machine and Conventional Linear Permanent-Magnet Machine. , 2019, , .		4
66	Real-Time Recognition and Tracing of Moving Objects in Video Images using Background Subtraction, Kalman Filter and Particle Filter. , 2019, , .		1
67	Torque Calculation of Five-Phase Interior Permanent Magnet Machine Using Improved Analytical Method. IEEE Transactions on Energy Conversion, 2019, 34, 1023-1032.	5.2	35
68	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.	7.9	89
69	Unequal Teeth Design to Reduce Electromagnetic Vibration in Fractional-Slot Concentrated-Windings Permanent-Magnet Machine. Journal of Magnetics, 2019, 24, 657-667.	0.4	2
70	Torque Ripple Reduction in Five-Phase IPM Motors by Lowering Interactional MMF. IEEE Transactions on Industrial Electronics, 2018, 65, 8520-8531.	7.9	82
71	Analysis of a Hybrid Rotor Permanent Magnet Motor Based on Equivalent Magnetic Network. IEEE Transactions on Magnetics, 2018, 54, 1-9.	2.1	23
72	Adaptive Sliding Mode Fault-Tolerant Coordination Control for Four-Wheel Independently Driven Electric Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 9090-9100.	7.9	106

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73	Nonlinear Equivalent Magnetic Network of a Linear Permanent Magnet Vernier Machine With End Effect Consideration. IEEE Transactions on Magnetics, 2018, 54, 1-9.	2.1	36
74	Third Harmonic Current Injection in Fault-Tolerant Five-Phase Permanent-Magnet Motor Drive. IEEE Transactions on Power Electronics, 2018, 33, 6970-6979.	7.9	69
75	Minimization of torque ripple in ferrite-assisted synchronous reluctance motors by using asymmetric stator. AIP Advances, 2018, 8, 056606.	1.3	6
76	Decoupling control of a five-phase fault-tolerant permanent magnet motor by radial basis function neural network inverse. AIP Advances, 2018, 8, 056634.	1.3	2
77	Reducing neutral-point voltage fluctuation in NPC three-level active power filters. Electrical Engineering, 2018, 100, 721-732.	2.0	5
78	Dynamic Performance Improvement of Five-Phase Permanent-Magnet Motor With Short-Circuit Fault. IEEE Transactions on Industrial Electronics, 2018, 65, 145-155.	7.9	42
79	Permanent Magnet Shape Using Analytical Feedback Function for Torque Improvement. IEEE Transactions on Industrial Electronics, 2018, 65, 4619-4630.	7.9	22
80	Fast Monocular Vision Based Vehicle Distance Measurement by License Plate Localization. , 2018, , .		1
81	Algorithm Recognizing Nonlinear-Load-Current States and Having Dynamic Iteration Step Size. , 2018, , .		1
82	Fuzzy Controller Design for Vehicle Active Suspensions Based on Genetic Algorithm. , 2018, , .		2
83	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.	3.4	17
84	Low‐noise design of fault‐tolerant flux‐switching permanent‐magnet machines. IET Electric Power Applications, 2018, 12, 747-756.	1.8	4
85	Application of Gauss process regression modeling based on NN-MIV for marine enzyme fermentation process. , 2018, , .		0
86	Overview of permanent-magnet fault-tolerant machines: Topology and design. CES Transactions on Electrical Machines and Systems, 2018, 2, 51-64.	3.5	50
87	Improvement of Torque Capability of Permanent-Magnet Motor by Using Hybrid Rotor Configuration. IEEE Transactions on Energy Conversion, 2017, 32, 953-962.	5.2	49
88	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.	7.9	49
89	Cost-Effective Vernier Permanent-Magnet Machine With High Torque Performance. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	21
90	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.	2.1	18

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91	Quantitative analysis of yeast growth process based on FT-NIR spectroscopy integrated with Gaussian mixture regression. RSC Advances, 2017, 7, 24988-24994.	3.6	17
92	A Novel MTPA Control Strategy for IPMSM Drives by Space Vector Signal Injection. IEEE Transactions on Industrial Electronics, 2017, 64, 9243-9252.	7.9	62
93	A novel PM motor with hybrid PM excitation and asymmetric rotor structure for high torque performance. AIP Advances, 2017, 7, 056671.	1.3	7
94	Soft sensor model of marine enzyme fermentation process based on NN-MIV variable selection. , 2017, , .		0
95	A New Modeling Approach for Permanent Magnet Vernier Machine With Modulation Effect Consideration. IEEE Transactions on Magnetics, 2017, 53, 1-12.	2.1	25
96	Reduction of Torque Ripple in Inset Permanent Magnet Synchronous Motor by Magnets Shifting. IEEE Transactions on Magnetics, 2017, 53, 1-13.	2.1	49
97	Biogeography-based learning particle swarm optimization. Soft Computing, 2017, 21, 7519-7541.	3.6	175
98	Vibration prediction in faultâ€tolerant fluxâ€switching permanentâ€magnet machine under healthy and faulty conditions. IET Electric Power Applications, 2017, 11, 19-28.	1.8	9
99	Dynamic soft sensor development based on Gaussian mixture regression for fermentation processes. Chinese Journal of Chemical Engineering, 2017, 25, 116-122.	3.5	25
100	Asymmetrical SVPWM Fault-Tolerant Control of Five-Phase PM Brushless Motors. IEEE Transactions on Energy Conversion, 2017, 32, 12-22.	5.2	42
101	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.	7.9	112
102	Hybrid Stator Design of Fault-Tolerant Permanent-Magnet Vernier Machines for Direct-Drive Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 179-190.	7.9	87
103	Band selection in sentinel-2 satellite for agriculture applications. , 2017, , .		43
104	Direct thrust control for five-phase tubular linear PM motor based on third-harmonic current suppression. , 2017, , .		0
105	Regulation of High-Efficiency Region in Permanent Magnet Machines According to a Given Driving Cycle. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	7
106	Design and analysis of a novel modular six-phase linear permanent-magnet vernier machine. , 2017, , .		4
107	A new fault-tolerance motor with decoupled reluctance channel and PM channel. , 2017, , .		0
108	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	10

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109	Comparison of two linear hybrid excitation flux reversal machines with different permanent-magnet arrays. , 2017, , .		1
110	Normal Force and Vibration Analysis of Linear Permanent-Magnet Vernier Machine. Journal of Magnetics, 2017, 22, 579-589.	0.4	1
111	A Novel Flux Focusing Magnetically Geared Machine with Reduced Eddy Current Loss. Energies, 2016, 9, 904.	3.1	3
112	HYBRID EXCITED VERNIER MACHINES WITH ALL EXCITATION SOURCES ON THE STATOR FOR ELECTRIC VEHICLES. Progress in Electromagnetics Research M, 2016, 46, 113-123.	0.9	7
113	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.	1.0	2
114	Comparison of Excitation Topologies for Fully Stator-HTS Fault-Tolerant Machines. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	1
115	Online Inductance Identifications of Interior Permanent Magnet Synchronous Machine Based on Adaline Neural Network. , 2016, , .		1
116	Combined Fault-Tolerant Control with Optimal Control Allocation for Four-Wheel Independently Driven Electric Vehicles. , 2016, , .		4
117	High-Order Sliding Mode Speed Control of Five-Phase Tubular Fault-Tolerant Linear Permanent Magnet Motor. , 2016, , .		0
118	Comparison of Coaxial Magnetic Gears With and Without Magnetic Conducting Ring. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
119	Multi-objective optimization for building performance design considering thermal comfort and energy consumption. , 2016, , .		2
120	Stator-Excited Vernier High-Temperature Superconducting Machine for Direct Drive Propulsion. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	4
121	Analysis of Magnet Material Effects on Performances of Fault-Tolerant PM Vernier Machines. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	7
122	Minimization of Vibration and Acoustic Noise in Flux-Switching Permanent-Magnet Motors Based on Double Fault-Tolerant Teeth. , 2016, , .		2
123	Biogeography-based optimization with covariance matrix based migration. Applied Soft Computing Journal, 2016, 45, 71-85.	7.2	61
124	Design and Analysis of Five-Phase Fault-Tolerant Interior Permanent-Magnet Vernier Machine. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	13
125	Parameters identification of solar cell models using generalized oppositional teaching learning based optimization. Energy, 2016, 99, 170-180.	8.8	316
126	Design and Analysis of New Vernier Permanent-Magnet Machine With Improved Torque Capability. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	37

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127	Design and Analysis of Low-Cost Tubular Fault-Tolerant Interior Permanent-Magnet Motor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	15
128	High-Performance Fault Tolerant Halbach Permanent Magnet Vernier Machines for Safety-Critical Applications. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	39
129	Learning discriminative shape statistics distribution features for pedestrian detection. Neurocomputing, 2016, 184, 66-77.	5.9	9
130	Design and Analysis of a Linear Permanent- Magnet Vernier Machine With Improved Force Density. IEEE Transactions on Industrial Electronics, 2016, 63, 2072-2082.	7.9	149
131	Design of a New Magnetic Screw With Discretized PMs. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	28
132	Comparison of Two SVPWM Control Strategies of Five-Phase Fault-Tolerant Permanent-Magnet Motor. IEEE Transactions on Power Electronics, 2016, 31, 6621-6630.	7.9	82
133	DDI-based finite-time stability analysis for nonlinear switched systems with time-varying delays. International Journal of Systems Science, 2016, 47, 3027-3035.	5.5	7
134	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	10
135	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.	0.4	0
136	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.	0.2	1
137	A general optimization framework for complex PDE models based on data interactive mechanism. , 2015, , .		1
138	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.	0.9	4
139	Finite-Time Consensus Algorithm for Multiple Nonholonomic Disturbed Systems with Its Application. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	5
140	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.	0.9	4
141	Design and Analysis of Coaxial Magnetic Gears Considering Rotor Losses. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	11
142	Active disturbance rejection-based sliding mode control for a surface vessel. , 2015, , .		2
143	Thermal prediction of a fault tolerant permanent magnet vernier machine. , 2015, , .		2
144	Analysis of New Modular Linear Flux Reversal Permanent Magnet Motors. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	21

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145	Quantitative Comparison of Integral and Fractional Slot Permanent Magnet Vernier Motors. IEEE Transactions on Energy Conversion, 2015, 30, 1483-1495.	5.2	67
146	Monitoring the wheat straw fermentation process using an electronic nose with pattern recognition methods. Analytical Methods, 2015, 7, 6006-6011.	2.7	13
147	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.	3.9	58
148	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.	2.1	14
149	Discontinuous finite-time tracking controller of nonholonomic mobile robots with unmeasurable velocity. , 2015, , .		1
150	Discontinuous finite-time consensus algorithm for multiple nonholonomic systems with disturbances. , 2015, , .		1
151	Recent advances in electronic nose techniques for monitoring of fermentation process. World Journal of Microbiology and Biotechnology, 2015, 31, 1845-1852.	3.6	19
152	Design and Analysis of a Halbach Magnetized Magnetic Screw for Artificial Heart. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	52
153	Building's electricity consumption prediction using optimized artificial neural networks and principal component analysis. Energy and Buildings, 2015, 108, 106-113.	6.7	184
154	Novel hybrid soft computing pattern recognition system SVMâ€"GAPSO for classification of eight different hand motions. Optik, 2015, 126, 4757-4762.	2.9	14
155	Design and Analysis of Linear Fault-Tolerant Permanent-Magnet Vernier Machines. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	3
156	Design and Experimental Validation for Direct-Drive Fault-Tolerant Permanent-Magnet Vernier Machines. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	4
157	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.	0.5	1
158	Remedial operation of five-phase tubular fault-tolerant linear PM actuator for active electromagnetic suspension. , 2014, , .		0
159	A neural network left-inversion flux estimation for induction motor filed-oriented control. , 2014, , .		1
160	Design and Analysis of the New High-Reliability Motors With Hybrid Permanent Magnet Material. IEEE Transactions on Magnetics, 2014, 50, 1-10.	2.1	32
161	Analysis of Power Loss in Transformerless Grid Connected PV Inverter. Lecture Notes in Electrical Engineering, 2014, , 663-670.	0.4	0
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164	Fault-tolerant primary-permanent magnet linear machine employing modular secondary. , 2014, , .		0
165	Mitigation of acoustic noise by minimize torque and radial force fluctuation in fault tolerant permanent magnet machines. , 2014, , .		7
166	Decoupling control of five-phase tflpm actuator with high-performance current regulator. , 2014, , .		0
167	Fault diagnosis of five-phase fault-tolerant permanent-magnet motor based on principal component neural network. , 2014, , .		0
168	Design and Analysis of a New Linear Hybrid Excited Flux Reversal Motor With Inset Permanent Magnets. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	39
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170	Observer-based finite-time tracking control for formations of mobile robots. , 2014, , .		1
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176	Monitoring of solid-state fermentation of protein feed by electronic nose and chemometric analysis. Process Biochemistry, 2014, 49, 583-588.	3.7	17
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