Xiaoyong Zhu

List of Publications by Year
in descending order

167 papers	3,489 citations	117453 34 h-index	161609 54 g-index
167 all docs	167 docs citations	167 times ranked	1465 citing authors

#	Article	IF	Citations
1	Multimode Optimization Design Methodology for a Flux-Controllable Stator Permanent Magnet Memory Motor Considering Driving Cycles. IEEE Transactions on Industrial Electronics, 2018, 65, 5353-5366.	5.2	166
2	Multilevel Design Optimization and Operation of a Brushless Double Mechanical Port Flux-Switching Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2016, 63, 6042-6054.	5.2	146
3	Comprehensive Sensitivity Analysis and Multiobjective Optimization Research of Permanent Magnet Flux-Intensifying Motors. IEEE Transactions on Industrial Electronics, 2019, 66, 2613-2627.	5.2	117
4	Co-Reduction of Torque Ripple for Outer Rotor Flux-Switching PM Motor Using Systematic Multi-Level Design and Control Schemes. IEEE Transactions on Industrial Electronics, 2017, 64, 1102-1112.	5.2	114
5	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. IEEE Transactions on Industrial Electronics, 2019, 66, 1748-1759.	5.2	108
6	Design and Multicondition Comparison of Two Outer-Rotor Flux-Switching Permanent-Magnet Motors for In-Wheel Traction Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 6137-6148.	5.2	103
7	A Transient Cosimulation Approach to Performance Analysis of Hybrid Excited Doubly Salient Machine Considering Indirect Field-Circuit Coupling. IEEE Transactions on Magnetics, 2007, 43, 2558-2560.	1.2	94
8	Analysis of Fault-Tolerant Performance of a Doubly Salient Permanent-Magnet Motor Drive Using Transient Cosimulation Method. IEEE Transactions on Industrial Electronics, 2008, 55, 1739-1748.	5.2	90
9	Remedial Brushless AC Operation of Fault-Tolerant Doubly Salient Permanent-Magnet Motor Drives. IEEE Transactions on Industrial Electronics, 2010, 57, 2134-2141.	5.2	85
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	Multiobjective Optimization Design of a Double-Rotor Flux-Switching Permanent Magnet Machine Considering Multimode Operation. IEEE Transactions on Industrial Electronics, 2019, 66, 641-653.	5.2	80
12	Design and Multi-Objective Stratified Optimization of a Less-Rare-Earth Hybrid Permanent Magnets Motor With High Torque Density and Low Cost. IEEE Transactions on Energy Conversion, 2019, 34, 1178-1189.	3.7	79
13	Design and Optimization of a Flux-Modulated Permanent Magnet Motor Based on an Airgap-Harmonic-Orientated Design Methodology. IEEE Transactions on Industrial Electronics, 2020, 67, 5337-5348.	5.2	70
14	Multi-objective Optimization Design of Variable-Saliency-Ratio PM Motor Considering Driving Cycles. IEEE Transactions on Industrial Electronics, 2021, 68, 6516-6526.	5.2	69
15	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	68
16	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
17	Multimode Optimization Research on a Multiport Magnetic Planetary Gear Permanent Magnet Machine for Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 9035-9046.	5.2	65
18	Design and Analysis of a New Flux Memory Doubly Salient Motor Capable of Online Flux Control. IEEE Transactions on Magnetics, 2011, 47, 3220-3223.	1.2	63

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19	Electromagnetic Performance Analysis of a New Stator-Permanent-Magnet Doubly Salient Flux Memory Motor Using a Piecewise-Linear Hysteresis Model. IEEE Transactions on Magnetics, 2011, 47, 1106-1109.	1.2	59
20	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
21	Systematic multi-level optimization design and dynamic control of less-rare-earth hybrid permanent magnet motor for all-climatic electric vehicles. Applied Energy, 2019, 253, 113549.	5.1	58
22	Principle and Analysis of Doubly Salient PM Motor With Î-Shaped Stator Iron Core Segments. IEEE Transactions on Industrial Electronics, 2019, 66, 1962-1972.	5.2	56
23	A New Magnetic-Planetary-Geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. IEEE Transactions on Magnetics, 2012, 48, 4642-4645.	1.2	53
24	Multi-Objective Optimization of an Outer-Rotor V-Shaped Permanent Magnet Flux Switching Motor Based on Multi-Level Design Method. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	53
25	Design, analysis and control of hybrid excited doubly salient stator-permanent-magnet motor. Science China Technological Sciences, 2010, 53, 188-199.	2.0	51
26	Comparative Design and Analysis of New Type of Flux-Intensifying Interior Permanent Magnet Motors With Different <italic>Q</italic>-Axis Rotor Flux Barriers. IEEE Transactions on Energy Conversion, 2018, 33, 2260-2269.	3.7	46
27	Multi-Objective Optimization Design of a Magnetic Planetary Geared Permanent Magnet Brushless Machine by Combined Design of Experiments and Response Surface Methods. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
28	Fault-Tolerant Control for Multiple Open-Leg Faults in Open-End Winding Permanent Magnet Synchronous Motor System Based on Winding Reconnection. IEEE Transactions on Power Electronics, 2021, 36, 6068-6078.	5.4	43
29	Design and Analysis of New Five-Phase Flux-Intensifying Fault-Tolerant Interior-Permanent-Magnet Motor for Sensorless Operation. IEEE Transactions on Industrial Electronics, 2020, 67, 6055-6065.	5.2	40
30	Temperature Rise Calculation of a Flux-Switching Permanent-Magnet Double-Rotor Machine Using Electromagnetic-Thermal Coupling Analysis. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	38
31	Optimization Design of Power Factor for an In-Wheel Vernier PM Machine From the Perspective of Air-Gap Harmonic Modulation. IEEE Transactions on Industrial Electronics, 2021, 68, 9265-9276.	5.2	37
32	Design and Analysis of a Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor Considering Magnetic Saliency and PM Usage. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	36
33	Electromagnetic Performance Analysis and Verification of a New Flux-Intensifying Permanent Magnet Brushless Motor With Two-Layer Segmented Permanent Magnets. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	35
34	Design and Analysis of a Spoke-Type Hybrid Permanent Magnet Motor for Electric Vehicles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	35
35	Research on Magnetic Coupling Characteristic of a Double Rotor Flux-Switching PM Machine From the Perspective of Air-Gap Harmonic Groups. IEEE Transactions on Industrial Electronics, 2022, 69, 12551-12563.	5.2	33
36	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. IEEE Transactions on Industrial Electronics, 2022, 69, 236-248.	5.2	31

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37	Comparison and Analysis of Flux-Switching Permanent-Magnet Double-Rotor Machine With 4QT Used for HEV. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	30
38	Design and Optimization of Permanent Magnet Brushless Machines for Electric Vehicle Applications. Energies, 2015, 8, 13996-14008.	1.6	30
39	Multi-Objective Optimization Design of a Multi-Permanent-Magnet Motor Considering Magnet Characteristic Variation Effects. IEEE Transactions on Industrial Electronics, 2022, 69, 3428-3438.	5.2	30
40	Airgap-Harmonic-Based Multilevel Design and Optimization of a Double-Stator Flux-Modulated Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2021, 68, 10534-10545.	5.2	29
41	Torque ripple minimization of flux-controllable stator-permanent-magnet brushless motors using harmonic current injection. Journal of Applied Physics, 2009, 105, 07F102.	1.1	27
42	A Generalized Open-Circuit Fault-Tolerant Control Strategy for FOC and DTC of Five-Phase Fault-Tolerant Permanent-Magnet Motor. IEEE Transactions on Industrial Electronics, 2022, 69, 7825-7836.	5.2	27
43	Investigation of an Asymmetrical Rotor Hybrid Permanent Magnet Motor for Approaching Maximum Output Torque. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	26
44	Flux-Weakening Capability Enhancement Design and Optimization of a Controllable Leakage Flux Multilayer Barrier PM Motor. IEEE Transactions on Industrial Electronics, 2021, 68, 7814-7825.	5.2	24
45	A New Partitioned-Rotor Flux-Switching Permanent Magnet Motor With High Torque Density and Improved Magnet Utilization. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	23
46	Comparative Analysis and Design of Partitioned Stator Hybrid Excitation Axial Flux Switching PM Motors for In-Wheel Traction Applications. IEEE Transactions on Energy Conversion, 2022, 37, 1416-1427.	3.7	23
47	Different Active Disturbance Rejection Controllers Based on the Same Order GPI Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 10969-10983.	5.2	22
48	A Brushless Double Mechanical Port Permanent Magnet Motor for Plug-In HEVs. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	21
49	Performance Analysis of a Double-Salient Permanent-Magnet Double-Rotor Motor Using Electromagneticâ€“Thermal Coupling Method. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	21
50	Flux-Leakage Design Principle and Multiple-Operating Conditions Modeling of Flux Leakage Controllable PM Machine Considering Driving Cycles. IEEE Transactions on Industrial Electronics, 2022, 69, 8862-8874.	5.2	21
51	Orthogonal Magnetic Field Analysis of a Double-Stator Linear-Rotary Permanent Magnet Motor With Orthogonally Arrayed Permanent Magnets. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	20
52	A Non-Rare-Earth Doubly Salient Flux Controllable Motor Capable of Fault-Tolerant Control. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	19
53	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 3187-3196.	3.9	19
54	Decoupling control of a dualâ€stator linear and rotary permanent magnet generator for offshore joint wind and wave energy conversion system. IET Electric Power Applications, 2020, 14, 561-569.	1.1	18

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55	Analysis and Design of a New Type of Less-Rare-Earth Hybrid-Magnet Motor With Different Rotor Topologies. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	18
56	Detent Force Reduction of a C-Core Linear Flux-Switching Permanent Magnet Machine with Multiple Additional Teeth. Energies, 2017, 10, 318.	1.6	17
57	Rotor position estimation scheme with harmonic ripple attenuation for sensorless controlled permanent magnet synchronous motors. IET Electric Power Applications, 2018, 12, 1200-1206.	1.1	17
58	A Full-Pitched Flux-Switching Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	16
59	Design and Analysis of an Interior Permanent Magnet Synchronous Machine With Multiflux-Barriers Based on Flux-Intensifying Effect. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	16
60	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	15
61	Investigation of Optimal Split Ratio in Brushless Dual-Rotor Flux-Switching Permanent Magnet Machine Considering Power Allocation. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	14
62	Elimination of DC-Link Voltage Ripple in PMSM Drives With a DC-Split-Capacitor Converter. IEEE Transactions on Power Electronics, 2021, 36, 8141-8154.	5.4	14
63	Simplified Universal Fault-Tolerant Direct Torque Control of FPFTPM Motor With Steady-Healthy Design Under Open-Circuit Fault. IEEE Transactions on Industrial Electronics, 2022, 69, 6688-6699.	5.2	14
64	Electromagnetic performance analysis and vector control of a fluxâ€controllable statorâ€permanentâ€magnet brushless motor with skewed rotor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 62-71.	0.5	13
65	Electromagnetic Performance Analysis of a New Stator-Partitioned Flux Memory Machine Capable of Online Flux Control. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	13
66	Comprehensive multiâ€objective scalarisation optimisation of a permanent magnet machine with correlation parameters stratified method. IET Electric Power Applications, 2017, 11, 72-79.	1.1	13
67	Optimal fluxâ€weakening control of a new fiveâ€phase FTâ€PM motor based on DTC and SVPWM for electric vehicle applications. IET Electric Power Applications, 2019, 13, 73-80.	1.1	12
68	Investigation on Torque Characteristic and PM Operation Point of Flux-Intensifying PM Motor Considering Low-Speed Operation. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	12
69	A Pole-Changing Doubly Salient Permanent Magnet Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 2479-2489.	5.3	12
70	Analysis of Variable Voltage Gain Power Converter for Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	11
71	Equivalent Magnetic Circuit Analysis of Doubly Salient PM Machine With Î-Shaped Stator Iron Core Segments. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	11
72	Characteristic analysis of a less-rare-earth hybrid PM-assisted synchronous reluctance motor for EVs application. AIP Advances, 2017, 7, .	0.6	10

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73	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. IEEE Access, 2018, 6, 57700-57707.	2.6	10
74	Design and Analysis of Double-Air-Gap Flux-Modulated Permanent Magnet Motor Considering Leading Working Harmonics. IEEE Transactions on Magnetics, 2019, 55, 1-5.	1.2	10
75	Multiâ€objective optimisation of a permanent magnet fluxâ€switching motor by combined parameter sensitivities analysis with nonâ€linear varyingâ€network magnetic circuit method. IET Electric Power Applications, 2019, 13, 24-30.	1.1	10
76	Power Oriented Design and Optimization of Dual Stator Linear-Rotary Generator With Halbach PM Array for Ocean Energy Conversion. IEEE Transactions on Energy Conversion, 2021, 36, 3414-3426.	3.7	10
77	Suppression of Torque Ripple of a Flux-Switching Permanent Magnet Motor in Perspective of Flux-Modulation Principle. IEEE Transactions on Transportation Electrification, 2022, 8, 1116-1127.	5.3	10
78	Design of a wireless power transfer system for EV application based on finite element analysis and MATLAB simulation. , 2014, , .		9
79	Indirect Analytical Modeling and Analysis of V-Shaped Interior PM Synchronous Machine. IEEE Access, 2019, 7, 173786-173795.	2.6	9
80	Low Harmonics Design for Modular Permanent Magnet Synchronous Machine Using Partitioned Winding. IEEE Transactions on Industrial Electronics, 2022, 69, 9268-9278.	5.2	9
81	Multi-Objective Optimization Design and Multi-Physics Analysis a Double-Stator Permanent-Magnet Doubly Salient Machine. Energies, 2018, 11, 2130.	1.6	8
82	Reverse Saliency Optimization of Flux-Intensifying Hybrid Permanent Magnet Machine for Variable Speed Applications. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	8
83	Dual Quasi-Resonant Controller Position Observer Based on High Frequency Pulse Voltage Injection Method. IEEE Access, 2020, 8, 213266-213276.	2.6	8
84	Comparative Analysis and Multi-Objective Optimization of Hybrid Permanent Magnet Motors Considering Different Saliency Characteristics. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	8
85	Optimizing Design of Magnetic Planetary Gearbox for Reduction of Cogging Torque. , 2013, , .		7
86	Electromagnetic Performance Evaluation of an Outer-Rotor Flux-Switching Permanent Magnet Motor Based on Electrical-Thermal Two-Way Coupling Method. Energies, 2017, 10, 677.	1.6	7
87	Fault-Tolerant Control for Open Winding PMSM System with Common DC Bus Based on 120Â° Decoupled Modulation Strategy. , 2018, , .		7
88	Dynamic demagnetisation investigation for lessâ€rareâ€earth flux switching permanent magnet motors considering threeâ€phase shortâ€circuit fault. IET Electric Power Applications, 2018, 12, 1176-1182.	1.1	7
89	Electromagnetic Performance Analysis of an Axial Flux Partitioned Stator Hybrid-Excited Less-Rare-Earth PM Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7
90	Design and Optimization of Double-Stator Vernier Permanent Magnet Motor With Improved Torque Characteristics Based on Flux Modulation Theory. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	7

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91	Robust Optimization of a Rare-Earth-Reduced High-Torque-Density PM Motor for Electric Vehicles Based on Parameter Sensitivity Region. IEEE Transactions on Vehicular Technology, 2022, 71, 10269-10279.	3.9	7
92	Performance Evaluation of a U-Shaped Less-Rare-Earth Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor. , 2016, , .		6
93	Design and comparison of two non-rare-earth permanent magnet synchronous reluctance motors for EV applications. , 2017, , .		6
94	Design and analysis of a new flux-intensifying permanent magnet brushless motor with multilayer flux barriers. AIP Advances, 2017, 7, 056628.	0.6	6
95	Robust-Oriented Optimization Design for Permanent Magnet Motors Considering Parameter Fluctuation. IEEE Transactions on Energy Conversion, 2020, 35, 2066-2075.	3.7	6
96	Anti-Demagnetization Capability Research of a Less-Rare-Earth Permanent-Magnet Synchronous Motor Based on the Modulation Principle. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	6
97	Multi-Objective-Layered Optimization of a Magnetic Planetary Gear for Hybrid Powertrain. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 934-944.	3.7	6
98	Robust Optimization Design for Permanent Magnet Machine Considering Magnet Material Uncertainties. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	6
99	Design of a sandwiched flux switching permanent magnet machine with outer-rotor configuration. , 2014, , .		5
100	The performance of a hybrid excitation flux switching motor with ferrite magnets for EVs. , 2014, , .		5
101	Design of a new magnetic-planetary-geared outer-rotor permanent-magnet brushless motor for electric vehicles. , 2014, , .		5
102	Thermal analysis of a "V"-shape sandwiched flux switching permanent magnet machine for electric vehicles. , 2015, , .		5
103	Phase-Shift Decoupled SVPWM Control Strategy for Open Winding Permanent Magnet Synchronous Motor with Common DC Bus. , 2018, , .		5
104	Loss and Efficiency of a Flux-Switching Permanent-Magnet Double-Rotor Machine With High Torque Density. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	5
105	Design and Analysis of a Multi-Flux-Modulated Permanent Magnet Motor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	5
106	Torque Component Redistribution and Enhancement for Hybrid Permanent Magnet Motor With Permanent Magnet Offset Placement. IEEE Transactions on Transportation Electrification, 2023, 9, 631-641.	5.3	5
107	Adjustable-Flux Permanent Magnet Synchronous Motor Sensorless Drive System Based on Parameter-Sensitive Adaptive Online Decoupling Control Strategy. IEEE Transactions on Transportation Electrification, 2023, 9, 501-511.	5.3	5
108	Demagnetization investigation of a partitioned rotor flux switching machine with hybrid permanent magnet. AIP Advances, 2017, 7, .	0.6	4

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109	Electromagneticâ€“Mechanical Coupling Optimization of an IPM Synchronous Machine with Multi Flux Barriers. Energies, 2020, 13, 1819.	1.6	4
110	Research On Enhanced Harmonic Effect of a Dual-PM-Excited Flux-Modulated Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.1	4
111	Optimisation design of a flux memory motor based on a new nonâ€linear MCâ€DRN model. IET Electric Power Applications, 2019, 13, 2035-2043.	1.1	4
112	A Robust Optimization Design Approach for Hybrid PM Machine Considering Asymmetric Uncertainties of PMs. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	4
113	Design and Analysis of a V-Shaped Permanent Magnet Vernier Motor for High Torque Density. CES Transactions on Electrical Machines and Systems, 2022, 6, 20-28.	2.7	4
114	Development of a new two-rotor doubly salient permanent magnet motor for hybrid electric vehicles. , 2011, , .		3
115	Design and Optimization of a Less-Rare Earth Permanent Magnet Brushless Motor Considering Cost Effective. , 2018, , .		3
116	Design and Comparison of Two Hybrid Less-Rare-Earth Permanent Magnet Machines with Different Rotor Topologies. , 2019, , .		3
117	Design and Analysis of a New Permeability-Modulated Interior Permanent-Magnet Synchronous Machine. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
118	Optimization and Comparison of Two Hybrid Permanent Magnet Synchronous Motors with Contrary Saliency Characteristic. , 2020, , .		3
119	Design and analysis of a new fractional-slot-windings axial-flux permanent-magnet machine. , 2011, , .		2
120	Electromagnetic performances analysis of a new magnetic-planetary-geared permanent magnet brushless machine for hybrid electric vehicles. , 2012, , .		2
121	Design and evaluation of a new flux-intensifying permanent magnet brushless motor. , 2014, , .		2
122	Energy management control strategy for plug-in hybrid electric vehicle with brushless dual-rotor flux-switching permanent magnet motor. , 2015, , .		2
123	Investigation of Reverse Saliency Characteristic in Flux-Intensifying Hybrid Permanent Magnet Motor Considering Various Operation Conditions. , 2018, , .		2
124	Comparative Investigation of Hybrid Excitation Flux Switching Machines. Energies, 2018, 11, 1428.	1.6	2
125	Low-Loss-Design of a Flux-Switching Motor Considering Air-Gap Harmonics. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	2
126	Torque Ripple Reduction of PMSM With Small Capacitor Drive Systems Based on Combined Control Method. IEEE Access, 2021, 9, 98874-98882.	2.6	2

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127	Comparative Analysis of Variable Leakage Flux PM Motors with Different Flux Barriers. , 2021, , .		2
128	Comparative Study of Stepwise Optimization and Global Optimization on a Nine-Phase Flux-Switching PM Generator. Energies, 2021, 14, 4754.	1.6	2
129	Research on Power Factor Characteristic for a Flux-Modulated Permanent Magnet Motor From Perspective of Magnetic Source Topologies Effect. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.1	2
130	Torque Characteristics Investigation of a Flux-Controllable Permanent Magnet Motor Considering Different Flux-Leakage Operation Conditions. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	2
131	Cogging Torque Reduction of A V-Shaped PM Vernier Motor from Perspective of Airgap Permeance. , 2020, , .		2
132	Design of a Split-slot Dual-Permanent-Magnet-Excited Machine Based on Torque-Loss-Ratio. , 2020, , .		2
133	Singleâ€phase small capacitor motor drive system with highâ€efficiency buck active power decoupling converter. IET Power Electronics, 2022, 15, 738-752.	1.5	2
134	H.264 video encoder implementation and optimization based on DM642 DSP. , 2008, , .		1
135	The flux controllable permanent magnet brushless machines: Concepts, developments and applications. , 2009, , .		1
136	An overview of double power flow motor used in hybrid electrical vehicles. , 2011, , .		1
137	Dual-mode operations of new stator-permanent-magnet double salient flux memory motor drive. , 2011, , .		1
138	A integrated starter-generator based on flux memory machines for hybrid electric vehicles. , 2011, , .		1
139	Modeling and simulation of a new two-rotor doubly salient permanent magnet machine. , 2011, , .		1
140	A novel magnetic-geared doubly salient permanent magnet machine for low-speed high-torque applications. , 2011, , .		1
141	Comparative study of constant power speed range of three permanent magnet brushless machines with different d-axis inductance for electric vehicles. , 2015, , .		1
142	Equivalent variable permeance-networks analysis for out-rotor double-salient permanent-magnet in-wheel motors. , 2015, , .		1
143	Electromagnetic Performance Analysis of a Partitioned Rotor Hybrid-Excited Flux-Switching Permanent Magnet Machine. , 2016, , .		1
144	Analysis of Thermal Performance in FSPM Motor Considering Multi-driving Mode. , 2019, , .		1

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145	ANALYSIS AND OPTIMIZATION OF DOUBLE-SIDE HYBRID EXCITATION FLUX-SWITCHING MOTOR. Progress in Electromagnetics Research C, 2020, 101, 219-232.	0.6	1
146	Two-axis Vector Control of Double Stator Linear and Rotary Permanent Magnet Machine Considering Orthogonally Coupling Effect. , 2020, , .		1
147	Design and Analysis of Double-Stator Flux Modulated Permanent Magnet Motor Based on Flux Modulation Theory. , 2020, , .		1
148	Cogging Torque Reduction of Halbach Array Permanent Magnet Motor Based on Magnetic Field Energy Equivalence. , 2021, , .		1
149	Investigation on Electromagnetic Torque of a Flux-Switching Permanent Magnet Motor From Perspective of Flux Density Harmonic Reduction Ratio. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	1
150	Sensorless Capacity Evaluation of a New Five-phase Flux-Intensifying Fault-Tolerant Interior-Permanent-Magnet Motor. , 2020, , .		1
151	Research on Magnetic Source Topologies Effect for A High Power Factor Flux-Modulated PM Motor. , 2020, , .		1
152	Design and Analysis of a Dual-PM-Excited Motor Considering Harmonic Characteristics. , 2020, , .		1
153	Broadening Design and Optimization of High-Efficiency Region for a Dual-Mechanical-Port Flux-Switching Permanent Magnet Motor. IEEE Transactions on Magnetics, 2022, 58, 1-7.	1.2	1
154	Research on Armature Winding Characteristic of a Double Rotor Permanent Magnet Motor From Perspective of the Magnetic-Field Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1009-1020.	3.7	1
155	Pole-Slot Combination Design and Investigation of Spoke-Type In-Wheel Motor Considering Flux Modulation. , 2022, , .		1
156	Fault-tolerant operation of brushless machines having magnets in the stator. , 2009, , .		0
157	Electromagnetic performance analysis of a new stator-permanent-magnet doubly salient flux memory motor using a piecewise-linear hysteresis model. , 2010, , .		0
158	Design of a new two-rotor doubly salient permanent magnet motor control system based on TMS320F28335. , 2011, , .		0
159	Investigation on the Dynamic Performances of a Doubly Salient Flux Memory Motor under On-Line Flux Regulation for Electric Vehicles. , 2013, , .		0
160	Electromagnetic performances analysis of flux-intensifying permanent magnet synchronous machine with modular fractional slot concentrated windings. , 2014, , .		0
161	Electromagnetic Performance Analysis of Less Rare-Earth Double-Stator Permanent Magnet Machine. , 2016, , .		0
162	Optimal Design of an Asymmetrical-Rotor Hybrid Permanent Magnet Motor For Approaching Maximum Output Torque. , 2018, , .		0

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163	Electromagnetic Performance Prediction of a Double-Rotor Flux-Switching Motor Based on General Air-Gap Equivalent Algorithms Model. , 2019, , .		0
164	Improved Sensorless Control for Linear Flux Switching Permanent Magnet Motor with Unbalanced Inductance. , 2021, , .		0
165	Torque Ripple Suppression of a Permanent Magnet Vernier Motor From Perspective of Shifted Air-Gap Permeance Distribution. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	0
166	Research on Main Working Harmonic Effect of Flux-Modulated Permanent Magnet Motor with Different Magnetic Source Topologies. , 2021, , .		0
167	Design and Analysis of Multi-Injection-Harmonic Surface-Inset Permanent Magnet Motor with Low Torque Ripple. , 2021, , .		0