

Xiaoyong Zhu

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128
papers

2,077
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h-index

41
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167
ext. papers

2,796
ext. citations

3.9
avg, IF

5.48
L-index

#	Paper	IF	Citations
128	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5353-5366	8.9	120
127	Multilevel Design Optimization and Operation of a Brushless Double Mechanical Port Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6042-6054	8.9	108
126	Co-Reduction of Torque Ripple for Outer Rotor Flux-Switching PM Motor Using Systematic Multi-Level Design and Control Schemes. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1102-1112	8.9	85
125	Design and Multicondition Comparison of Two Outer-Rotor Flux-Switching Permanent-Magnet Motors for In-Wheel Traction Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6137-6148	8.9	72
124	A Transient Cosimulation Approach to Performance Analysis of Hybrid Excited Doubly Salient Machine Considering Indirect Field-Circuit Coupling. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2558-2560 ²		71
123	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2613-2627	8.9	70
122	. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3826-3829	2	64
121	Remedial Brushless AC Operation of Fault-Tolerant Doubly Salient Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 2134-2141	8.9	62
120	Multiobjective Optimization Design of a Double-Rotor Flux-Switching Permanent Magnet Machine Considering Multimode Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 641-653	8.9	62
119	Analysis of Fault-Tolerant Performance of a Doubly Salient Permanent-Magnet Motor Drive Using Transient Cosimulation Method. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1739-1748	8.9	61
118	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1748-1759	8.9	58
117	Design and Analysis of a New Flux Memory Doubly Salient Motor Capable of Online Flux Control. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3220-3223	2	51
116	Multimode Optimization Research on a Multiport Magnetic Planetary Gear Permanent Magnet Machine for Hybrid Electric Vehicles. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 9035-9046	8.9	50
115	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3941-3944	2	48
114	Design and Multi-Objective Stratified Optimization of a Less-Rare-Earth Hybrid Permanent Magnets Motor With High Torque Density and Low Cost. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1178-1189	5.4	48
113	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-8	2	47
112	Electromagnetic Performance Analysis of a New Stator-Permanent-Magnet Doubly Salient Flux Memory Motor Using a Piecewise-Linear Hysteresis Model. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1106-1109	2	46

111	A New Magnetic-Planetary-Geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4642-4645	2	41
110	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3901-3904	2	40
109	Design and Optimization of a Flux-Modulated Permanent Magnet Motor Based on an Airgap-Harmonic-Orientated Design Methodology. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5337-5348	8.9	39
108	Multi-Objective Optimization of an Outer-Rotor V-Shaped Permanent Magnet Flux Switching Motor Based on Multi-Level Design Method. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-8	2	38
107	Multi-Objective Optimization Design of a Magnetic Planetary Geared Permanent Magnet Brushless Machine by Combined Design of Experiments and Response Surface Methods. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	38
106	Systematic multi-level optimization design and dynamic control of less-rare-earth hybrid permanent magnet motor for all-climatic electric vehicles. <i>Applied Energy</i> , 2019 , 253, 113549	10.7	37
105	Design, analysis and control of hybrid excited doubly salient stator-permanent-magnet motor. <i>Science China Technological Sciences</i> , 2010 , 53, 188-199	3.5	33
104	Principle and Analysis of Doubly Salient PM Motor With E-Shaped Stator Iron Core Segments. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1962-1972	8.9	32
103	Comparison and Analysis of Flux-Switching Permanent-Magnet Double-Rotor Machine With 4QT Used for HEV. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	23
102	Multi-objective Optimization Design of Variable-Saliency-Ratio PM Motor Considering Driving Cycles. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6516-6526	8.9	23
101	Comparative Design and Analysis of New Type of Flux-Intensifying Interior Permanent Magnet Motors With Different Q-Axis Rotor Flux Barriers. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 2260-2269	5.4	23
100	Design and Analysis of a Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor Considering Magnetic Saliency and PM Usage. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-6	1.8	22
99	Temperature Rise Calculation of a Flux-Switching Permanent-Magnet Double-Rotor Machine Using Electromagnetic-Thermal Coupling Analysis. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	21
98	Electromagnetic Performance Analysis and Verification of a New Flux-Intensifying Permanent Magnet Brushless Motor With Two-Layer Segmented Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	20
97	Design and Analysis of a Spoke-Type Hybrid Permanent Magnet Motor for Electric Vehicles. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	19
96	Design and Analysis of New Five-Phase Flux-Intensifying Fault-Tolerant Interior-Permanent-Magnet Motor for Sensorless Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6055-6065	8.9	18
95	Design and Optimization of Permanent Magnet Brushless Machines for Electric Vehicle Applications. <i>Energies</i> , 2015 , 8, 13996-14008	3.1	17
94	Fault-Tolerant Control for Multiple Open-Leg Faults in Open-End Winding Permanent Magnet Synchronous Motor System Based on Winding Reconnection. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6068-6078	7.2	17

93	Performance Analysis of a Double-Salient Permanent-Magnet Double-Rotor Motor Using Electromagnetic-Thermal Coupling Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	15
92	A New Partitioned-Rotor Flux-Switching Permanent Magnet Motor With High Torque Density and Improved Magnet Utilization. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	15
91	A Non-Rare-Earth Doubly Salient Flux Controllable Motor Capable of Fault-Tolerant Control. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	15
90	Optimization Design of Power Factor for an In-Wheel Vernier PM Machine From the Perspective of Air-Gap Harmonic Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9265-9276	8.9	15
89	A Brushless Double Mechanical Port Permanent Magnet Motor for Plug-In HEVs. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	14
88	Torque ripple minimization of flux-controllable stator-permanent-magnet brushless motors using harmonic current injection. <i>Journal of Applied Physics</i> , 2009 , 105, 07F102	2.5	14
87	Investigation of an Asymmetrical Rotor Hybrid Permanent Magnet Motor for Approaching Maximum Output Torque. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-4	1.8	14
86	Orthogonal Magnetic Field Analysis of a Double-Stator Linear-Rotary Permanent Magnet Motor With Orthogonally Arrayed Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	12
85	Detent Force Reduction of a C-Core Linear Flux-Switching Permanent Magnet Machine with Multiple Additional Teeth. <i>Energies</i> , 2017 , 10, 318	3.1	12
84	Flux-Weakening Capability Enhancement Design and Optimization of a Controllable Leakage Flux Multilayer Barrier PM Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 7814-7825	8.9	12
83	Design and Analysis of an Interior Permanent Magnet Synchronous Machine With Multiflux-Barriers Based on Flux-Intensifying Effect. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	11
82	Comprehensive multi-objective scalarisation optimisation of a permanent magnet machine with correlation parameters stratified method. <i>IET Electric Power Applications</i> , 2017 , 11, 72-79	1.8	11
81	Electromagnetic performance analysis and vector control of a flux-controllable stator-permanent-magnet brushless motor with skewed rotor. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2011 , 30, 62-71	0.7	11
80	Airgap-Harmonic-Based Multilevel Design and Optimization of a Double-Stator Flux-Modulated Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10534-10545	8.9	11
79	Investigation of Optimal Split Ratio in Brushless Dual-Rotor Flux-Switching Permanent Magnet Machine Considering Power Allocation. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	10
78	Analysis and Design of a New Type of Less-Rare-Earth Hybrid-Magnet Motor With Different Rotor Topologies. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-6	1.8	9
77	Analysis of Variable Voltage Gain Power Converter for Switched Reluctance Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	9
76	Electromagnetic Performance Analysis of a New Stator-Partitioned Flux Memory Machine Capable of Online Flux Control. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	9

75	Research on Magnetic Coupling Characteristic of a Double Rotor Flux-Switching PM Machine from the Perspective of Air-Gap Harmonic Groups. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	9
74	A Full-Pitched Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	9
73	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. <i>IEEE Access</i> , 2018 , 6, 57700-57707	3.5	9
72	Rotor position estimation scheme with harmonic ripple attenuation for sensorless controlled permanent magnet synchronous motors. <i>IET Electric Power Applications</i> , 2018 , 12, 1200-1206	1.8	9
71	A Generalized Open-Circuit Fault-Tolerant Control Strategy for FOC and DTC of Five-Phase Fault-Tolerant Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	8
70	Multi-Objective Optimization Design of a Multi-Permanent-Magnet Motor Considering Magnet Characteristic Variation Effects. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	8
69	Characteristic analysis of a less-rare-earth hybrid PM-assisted synchronous reluctance motor for EVs application. <i>AIP Advances</i> , 2017 , 7, 056648	1.5	7
68	Optimal flux-weakening control of a new five-phase FT-IPM motor based on DTC and SVPWM for electric vehicle applications. <i>IET Electric Power Applications</i> , 2019 , 13, 73-80	1.8	7
67	Decoupling control of a dual-stator linear and rotary permanent magnet generator for offshore joint wind and wave energy conversion system. <i>IET Electric Power Applications</i> , 2020 , 14, 561-569	1.8	7
66	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	7
65	Equivalent Magnetic Circuit Analysis of Doubly Salient PM Machine With Ξ-Shaped Stator Iron Core Segments. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	6
64	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 3187-3196	6.8	6
63	Indirect Analytical Modeling and Analysis of V-Shaped Interior PM Synchronous Machine. <i>IEEE Access</i> , 2019 , 7, 173786-173795	3.5	6
62	Design and Analysis of Double-Air-Gap Flux-Modulated Permanent Magnet Motor Considering Leading Working Harmonics. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	5
61	Multi-objective optimisation of a permanent magnet flux-switching motor by combined parameter sensitivities analysis with non-linear varying-network magnetic circuit method. <i>IET Electric Power Applications</i> , 2019 , 13, 24-30	1.8	5
60	Electromagnetic Performance Evaluation of an Outer-Rotor Flux-Switching Permanent Magnet Motor Based on Electrical-Thermal Two-Way Coupling Method. <i>Energies</i> , 2017 , 10, 677	3.1	5
59	Design of a new magnetic-planetary-geared outer-rotor permanent-magnet brushless motor for electric vehicles 2014 ,		5
58	Different Active Disturbance Rejection Controllers Based on the Same Order GPI Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5

57	Performance Evaluation of a U-Shaped Less-Rare-Earth Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor 2016 ,		5
56	Investigation on Torque Characteristic and PM Operation Point of Flux-Intensifying PM Motor Considering Low-Speed Operation. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	5
55	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5
54	The performance of a hybrid excitation flux switching motor with ferrite magnets for EVs 2014 ,		4
53	Optimisation design of a flux memory motor based on a new non-linear MC-DRN model. <i>IET Electric Power Applications</i> , 2019 , 13, 2035-2043	1.8	4
52	Multi-Objective Optimization Design and Multi-Physics Analysis a Double-Stator Permanent-Magnet Doubly Salient Machine. <i>Energies</i> , 2018 , 11, 2130	3.1	4
51	Dynamic demagnetisation investigation for less-rare-earth flux switching permanent magnet motors considering three-phase short-circuit fault. <i>IET Electric Power Applications</i> , 2018 , 12, 1176-1182	1.8	4
50	Loss and Efficiency of a Flux-Switching Permanent-Magnet Double-Rotor Machine With High Torque Density. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	4
49	Robust-Oriented Optimization Design for Permanent Magnet Motors Considering Parameter Fluctuation. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 2066-2075	5.4	3
48	ElectromagneticMechanical Coupling Optimization of an IPM Synchronous Machine with Multi Flux Barriers. <i>Energies</i> , 2020 , 13, 1819	3.1	3
47	Design and analysis of a new flux-intensifying permanent magnet brushless motor with multilayer flux barriers. <i>AIP Advances</i> , 2017 , 7, 056628	1.5	3
46	Optimizing Design of Magnetic Planetary Gearbox for Reduction of Cogging Torque 2013 ,		3
45	Design and comparison of two non-rare-earth permanent magnet synchronous reluctance motors for EV applications 2017 ,		3
44	Thermal analysis of a "V"-shape sandwiched flux switching permanent magnet machine for electric vehicles 2015 ,		3
43	Flux-Leakage Design Principle and Multiple-Operating Conditions Modeling of Flux Leakage Controllable PM Machine Considering Driving Cycles. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
42	Dual Quasi-Resonant Controller Position Observer Based on High Frequency Pulse Voltage Injection Method. <i>IEEE Access</i> , 2020 , 8, 213266-213276	3.5	3
41	Reverse Saliency Optimization of Flux-Intensifying Hybrid Permanent Magnet Machine for Variable Speed Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	3
40	Phase-Shift Decoupled SVPWM Control Strategy for Open Winding Permanent Magnet Synchronous Motor with Common DC Bus 2018 ,		3

39	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
38	Design and Analysis of a Multi-Flux-Modulated Permanent Magnet Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	2
37	Comparative Investigation of Hybrid Excitation Flux Switching Machines. <i>Energies</i> , 2018 , 11, 1428	3.1	2
36	Demagnetization investigation of a partitioned rotor flux switching machine with hybrid permanent magnet. <i>AIP Advances</i> , 2017 , 7, 056636	1.5	2
35	Design and evaluation of a new flux-intensifying permanent magnet brushless motor 2014 ,		2
34	Design of a sandwiched flux switching permanent magnet machine with outer-rotor configuration 2014 ,		2
33	Design of a wireless power transfer system for EV application based on finite element analysis and MATLAB simulation 2014 ,		2
32	Comparative Analysis and Design of Partitioned Stator Hybrid Excitation Axial Flux Switching PM Motors for In-Wheel Traction Applications. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	2
31	Elimination of DC-Link Voltage Ripple in PMSM Drives With a DC-Split-Capacitor Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8141-8154	7.2	2
30	Design and Analysis of a V-Shaped Permanent Magnet Vernier Motor for High Torque Density. <i>CES Transactions on Electrical Machines and Systems</i> , 2022 , 6, 20-28	2.3	2
29	Low-Loss-Design of a Flux-Switching Motor Considering Air-Gap Harmonics. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	1
28	Electromagnetic Performance Analysis of an Axial Flux Partitioned Stator Hybrid-Excited Less-Rare-Earth PM Synchronous Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2020 , 30, 1-5	1.8	1
27	Energy management control strategy for plug-in hybrid electric vehicle with brushless dual-rotor flux-switching permanent magnet motor 2015 ,		1
26	Equivalent variable permeance-networks analysis for out-rotor double-salient permanent-magnet in-wheel motors 2015 ,		1
25	Dual-mode operations of new stator-permanent-magnet double salient flux memory motor drive 2011 ,		1
24	An overview of double power flow motor used in hybrid electrical vehicles 2011 ,		1
23	H.264 video encoder implementation and optimization based on DM642 DSP 2008 ,		1
22	Anti-Demagnetization Capability Research of a Less-Rare-Earth Permanent-Magnet Synchronous Motor Based on the Modulation Principle. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-6	2	1

21	Power Oriented Design and Optimization of Dual Stator Linear-Rotary Generator with Halbach PM Array for Ocean Energy Conversion. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	1
20	Multi-Objective-Layered Optimization of a Magnetic Planetary Gear for Hybrid Powertrain. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	1
19	Torque Ripple Reduction of PMSM With Small Capacitor Drive Systems Based on Combined Control Method. <i>IEEE Access</i> , 2021 , 9, 98874-98882	3.5	1
18	Fault-Tolerant Control for Open Winding PMSM System with Common DC Bus Based on 120° Decoupled Modulation Strategy 2018 ,		1
17	Comparative Analysis and Multi-Objective Optimization of Hybrid Permanent Magnet Motors Considering Different Saliency Characteristics. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-5	1.8	1
16	Torque Characteristics Investigation of a Flux-Controllable Permanent Magnet Motor Considering Different Flux-leakage Operation Conditions. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
15	Low Harmonics Design for Modular PM Synchronous Machine Using Partitioned Winding. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
14	Robust Optimization Design for Permanent Magnet Machine Considering Magnet Material Uncertainties. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
13	Suppression of Torque Ripple of a Flux-Switching Permanent Magnet Motor in Perspective of Flux-Modulation Principle. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	1
12	A Robust Optimization Design Approach for Hybrid PM Machine Considering Asymmetric Uncertainties of PMs. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	1
11	A Pole-Changing Doubly Salient Permanent Magnet Motor. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	0
10	Comparative Study of Stepwise Optimization and Global Optimization on a Nine-Phase Flux-Switching PM Generator. <i>Energies</i> , 2021 , 14, 4754	3.1	0
9	Research on Power Factor Characteristic for a Flux-Modulated Permanent Magnet Motor From Perspective of Magnetic Source Topologies Effect. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-6	1.8	0
8	Research On Enhanced Harmonic Effect of a Dual-PM-Excited Flux-Modulated Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-6	1.8	0
7	Torque Ripple Suppression of a Permanent Magnet Vernier Motor from Perspective of Shifted Air-gap Permeance Distribution. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
6	Design and Optimization of Double-Stator Vernier Permanent Magnet Motor with Improved Torque Characteristics Based on Flux Modulation Theory. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	
5	ANALYSIS AND OPTIMIZATION OF DOUBLE-SIDE HYBRID EXCITATION FLUX-SWITCHING MOTOR. <i>Progress in Electromagnetics Research C</i> , 2020 , 101, 219-232	0.9	
4	Design and Analysis of a New Permeability-Modulated Interior Permanent-Magnet Synchronous Machine. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	

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| 3 | Investigation on Electromagnetic Torque of a Flux-Switching Permanent Magnet Motor from Perspective of Flux Density Harmonic Reduction Ratio. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1 | 2 |
| 2 | Broadening Design and Optimization of High Efficiency Region for a Dual-Mechanical-Port Flux-Switching Permanent Magnet Motor. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1 | 2 |
| 1 | Torque Component Redistribution and Enhancement for Hybrid Permanent Magnet Motor with Permanent Magnet Offset Placement. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1 | 7.6 |