

Xiaoyong Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Torque Component Redistribution and Enhancement for Hybrid Permanent Magnet Motor With Permanent Magnet Offset Placement. IEEE Transactions on Transportation Electrification, 2023, 9, 631-641.	7.8	5
2	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.	7.8	5
3	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.	5.4	1
4	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.	5.4	6
5	Partitioned Stator Hybrid Excited Machine With DC-Biased Sinusoidal Current. IEEE Transactions on Industrial Electronics, 2022, 69, 236-248.	7.9	31
6	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.	2.1	1
7	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.	7.9	14
8	Torque Characteristics Investigation of a Flux-Controllable Permanent Magnet Motor Considering Different Flux-Leakage Operation Conditions. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	2
9	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.	7.9	27
10	Multi-Objective Optimization Design of a Multi-Permanent-Magnet Motor Considering Magnet Characteristic Variation Effects. IEEE Transactions on Industrial Electronics, 2022, 69, 3428-3438.	7.9	30
11	Low Harmonics Design for Modular Permanent Magnet Synchronous Machine Using Partitioned Winding. IEEE Transactions on Industrial Electronics, 2022, 69, 9268-9278.	7.9	9
12	Robust Optimization Design for Permanent Magnet Machine Considering Magnet Material Uncertainties. IEEE Transactions on Magnetics, 2022, 58, 1-7.	2.1	6
13	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.	7.8	10
14	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.	7.9	21
15	Different Active Disturbance Rejection Controllers Based on the Same Order GPI Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 10969-10983.	7.9	22
16	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.	5.2	23
17	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.	7.9	33
18	A Pole-Changing Doubly Salient Permanent Magnet Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 2479-2489.	7.8	12

#	ARTICLE	IF	CITATIONS
19	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.	2.1	0
20	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.	2.1	7
21	A Robust Optimization Design Approach for Hybrid PM Machine Considering Asymmetric Uncertainties of PMs. IEEE Transactions on Magnetics, 2022, 58, 1-7.	2.1	4
22	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.	2.1	1
23	Single-phase small capacitor motor drive system with high-efficiency buck active power decoupling converter. IET Power Electronics, 2022, 15, 738-752.	2.1	2
24	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.	3.5	4
25	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.	6.3	7
26	Pole-Slot Combination Design and Investigation of Spoke-Type In-Wheel Motor Considering Flux Modulation. , 2022, , .		1
27	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.	7.9	37
28	Multi-objective Optimization Design of Variable-Saliency-Ratio PM Motor Considering Driving Cycles. IEEE Transactions on Industrial Electronics, 2021, 68, 6516-6526.	7.9	69
29	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.	7.9	43
30	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.	7.9	24
31	Design and Analysis of a New Permeability-Modulated Interior Permanent-Magnet Synchronous Machine. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
32	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.	2.1	6
33	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.	2.1	12
34	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.	5.2	10
35	Torque Ripple Reduction of PMSM With Small Capacitor Drive Systems Based on Combined Control Method. IEEE Access, 2021, 9, 98874-98882.	4.2	2
36	Partitioned Stator Hybrid Excitation Doubly Salient Machine With Slot Halbach PM Arrays. IEEE Transactions on Vehicular Technology, 2021, 70, 3187-3196.	6.3	19

#	ARTICLE	IF	CITATIONS
37	Cogging Torque Reduction of Halbach Array Permanent Magnet Motor Based on Magnetic Field Energy Equivalence. , 2021, , .		1
38	Comparative Analysis of Variable Leakage Flux PM Motors with Different Flux Barriers. , 2021, , .		2
39	Elimination of DC-Link Voltage Ripple in PMSM Drives With a DC-Split-Capacitor Converter. IEEE Transactions on Power Electronics, 2021, 36, 8141-8154.	7.9	14
40	Improved Sensorless Control for Linear Flux Switching Permanent Magnet Motor with Unbalanced Inductance. , 2021, , .		0
41	Comparative Study of Stepwise Optimization and Global Optimization on a Nine-Phase Flux-Switching PM Generator. Energies, 2021, 14, 4754.	3.1	2
42	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.	1.7	2
43	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.	7.9	29
44	Comparative Analysis and Multi-Objective Optimization of Hybrid Permanent Magnet Motors Considering Different Saliency Characteristics. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	8
45	Research On Enhanced Harmonic Effect of a Dual-PM-Excited Flux-Modulated Motor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	4
46	Research on Main Working Harmonic Effect of Flux-Modulated Permanent Magnet Motor with Different Magnetic Source Topologies. , 2021, , .		0
47	Design and Analysis of Multi-Injection-Harmonic Surface-Inset Permanent Magnet Motor with Low Torque Ripple. , 2021, , .		0
48	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.	7.9	70
49	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.	7.9	40
50	ANALYSIS AND OPTIMIZATION OF DOUBLE-SIDE HYBRID EXCITATION FLUX-SWITCHING MOTOR. Progress in Electromagnetics Research C, 2020, 101, 219-232.	0.9	1
51	Dual Quasi-Resonant Controller Position Observer Based on High Frequency Pulse Voltage Injection Method. IEEE Access, 2020, 8, 213266-213276.	4.2	8
52	Two-axis Vector Control of Double Stator Linear and Rotary Permanent Magnet Machine Considering Orthogonally Coupling Effect. , 2020, , .		1
53	Design and Analysis of Double-Stator Flux Modulated Permanent Magnet Motor Based on Flux Modulation Theory. , 2020, , .		1
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.	1.8	18

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55	Robust-Oriented Optimization Design for Permanent Magnet Motors Considering Parameter Fluctuation. IEEE Transactions on Energy Conversion, 2020, 35, 2066-2075.	5.2	6
56	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.	1.7	18
57	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.	1.7	11
58	Low-Loss-Design of a Flux-Switching Motor Considering Air-Gap Harmonics. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	2
59	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.	1.7	7
60	Design and Analysis of a Multi-Flux-Modulated Permanent Magnet Motor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
61	Electromagnetic-Mechanical Coupling Optimization of an IPM Synchronous Machine with Multi Flux Barriers. Energies, 2020, 13, 1819.	3.1	4
62	Cogging Torque Reduction of A V-Shaped PM Vernier Motor from Perspective of Airgap Permeance. , 2020, , .		2
63	Design of a Split-slot Dual-Permanent-Magnet-Excited Machine Based on Torque-Loss-Ratio. , 2020, , .		2
64	Sensorless Capacity Evaluation of a New Five-phase Flux-Intensifying Fault-Tolerant Interior-Permanent-Magnet Motor. , 2020, , .		1
65	Research on Magnetic Source Topologies Effect for A High Power Factor Flux-Modulated PM Motor. , 2020, , .		1
66	Design and Analysis of a Dual-PM-Excited Motor Considering Harmonic Characteristics. , 2020, , .		1
67	Optimization and Comparison of Two Hybrid Permanent Magnet Synchronous Motors with Contrary Saliency Characteristic. , 2020, , .		3
68	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. IEEE Transactions on Industrial Electronics, 2019, 66, 1748-1759.	7.9	108
69	Comprehensive Sensitivity Analysis and Multiobjective Optimization Research of Permanent Magnet Flux-Intensifying Motors. IEEE Transactions on Industrial Electronics, 2019, 66, 2613-2627.	7.9	117
70	Principle and Analysis of Doubly Salient PM Motor With Î-Shaped Stator Iron Core Segments. IEEE Transactions on Industrial Electronics, 2019, 66, 1962-1972.	7.9	56
71	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.	10.1	58
72	Optimal flux-weakening control of a new five-phase FT-IPM motor based on DTC and SVPWM for electric vehicle applications. IET Electric Power Applications, 2019, 13, 73-80.	1.8	12

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73	Design and Analysis of Double-Air-Gap Flux-Modulated Permanent Magnet Motor Considering Leading Working Harmonics. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	10
74	Multi-Objective optimisation of a permanent magnet flux-switching motor by combined parameter sensitivities analysis with non-linear varying network magnetic circuit method. IET Electric Power Applications, 2019, 13, 24-30.	1.8	10
75	Analysis of Thermal Performance in FSPM Motor Considering Multi-driving Mode. , 2019, , .		1
76	Electromagnetic Performance Prediction of a Double-Rotor Flux-Switching Motor Based on General Air-Gap Equivalent Algorithms Model. , 2019, , .		0
77	Design and Comparison of Two Hybrid Less-Rare-Earth Permanent Magnet Machines with Different Rotor Topologies. , 2019, , .		3
78	Indirect Analytical Modeling and Analysis of V-Shaped Interior PM Synchronous Machine. IEEE Access, 2019, 7, 173786-173795.	4.2	9
79	Reverse Saliency Optimization of Flux-Intensifying Hybrid Permanent Magnet Machine for Variable Speed Applications. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	8
80	Investigation of an Asymmetrical Rotor Hybrid Permanent Magnet Motor for Approaching Maximum Output Torque. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	26
81	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.	5.2	79
82	Multiobjective Optimization Design of a Double-Rotor Flux-Switching Permanent Magnet Machine Considering Multimode Operation. IEEE Transactions on Industrial Electronics, 2019, 66, 641-653.	7.9	80
83	Optimisation design of a flux memory motor based on a new non-linear MC-DRN model. IET Electric Power Applications, 2019, 13, 2035-2043.	1.8	4
84	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.	2.1	38
85	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.	7.9	166
86	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.	2.1	14
87	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.	7.9	65
88	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.	1.7	36
89	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.	1.7	16
90	Phase-Shift Decoupled SVPWM Control Strategy for Open Winding Permanent Magnet Synchronous Motor with Common DC Bus. , 2018, , .		5

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91	Optimal Design of an Asymmetrical-Rotor Hybrid Permanent Magnet Motor For Approaching Maximum Output Torque. , 2018, , .		0
92	Optimal Design and Analysis of Partitioned Stator Hybrid Excitation Doubly Salient Machine. IEEE Access, 2018, 6, 57700-57707.	4.2	10
93	Investigation of Reverse Saliency Characteristic in Flux-Intensifying Hybrid Permanent Magnet Motor Considering Various Operation Conditions. , 2018, , .		2
94	Design and Optimization of a Less-Rare Earth Permanent Magnet Brushless Motor Considering Cost Effective. , 2018, , .		3
95	Multi-Objective Optimization Design and Multi-Physics Analysis a Double-Stator Permanent-Magnet Doubly Salient Machine. Energies, 2018, 11, 2130.	3.1	8
96	Fault-Tolerant Control for Open Winding PMSM System with Common DC Bus Based on 120° Decoupled Modulation Strategy. , 2018, , .		7
97	Dynamic demagnetisation investigation for less-rare-earth flux switching permanent magnet motors considering three-phase short-circuit fault. IET Electric Power Applications, 2018, 12, 1176-1182.	1.8	7
98	Loss and Efficiency of a Flux-Switching Permanent-Magnet Double-Rotor Machine With High Torque Density. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	5
99	Rotor position estimation scheme with harmonic ripple attenuation for sensorless controlled permanent magnet synchronous motors. IET Electric Power Applications, 2018, 12, 1200-1206.	1.8	17
100	Comparative Design and Analysis of New Type of Flux-Intensifying Interior Permanent Magnet Motors With Different Q -Axis Rotor Flux Barriers. IEEE Transactions on Energy Conversion, 2018, 33, 2260-2269.	5.2	46
101	Comparative Investigation of Hybrid Excitation Flux Switching Machines. Energies, 2018, 11, 1428.	3.1	2
102	A V-Shaped PM Vernier Motor With Enhanced Flux-Modulated Effect and Low Torque Ripple. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	15
103	Characteristic analysis of a less-rare-earth hybrid PM-assisted synchronous reluctance motor for EVs application. AIP Advances, 2017, 7, .	1.3	10
104	Design and Analysis of a Spoke-Type Hybrid Permanent Magnet Motor for Electric Vehicles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	35
105	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.	2.1	20
106	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.	7.9	103
107	Demagnetization investigation of a partitioned rotor flux switching machine with hybrid permanent magnet. AIP Advances, 2017, 7, .	1.3	4
108	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.	7.9	114

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109	Comprehensive multi-objective scalarisation optimisation of a permanent magnet machine with correlation parameters stratified method. IET Electric Power Applications, 2017, 11, 72-79.	1.8	13
110	Design and comparison of two non-rare-earth permanent magnet synchronous reluctance motors for EV applications. , 2017, , .		6
111	Detent Force Reduction of a C-Core Linear Flux-Switching Permanent Magnet Machine with Multiple Additional Teeth. Energies, 2017, 10, 318.	3.1	17
112	Design and analysis of a new flux-intensifying permanent magnet brushless motor with multilayer flux barriers. AIP Advances, 2017, 7, 056628.	1.3	6
113	Electromagnetic Performance Evaluation of an Outer-Rotor Flux-Switching Permanent Magnet Motor Based on Electrical-Thermal Two-Way Coupling Method. Energies, 2017, 10, 677.	3.1	7
114	Electromagnetic Performance Analysis of a Partitioned Rotor Hybrid-Excited Flux-Switching Permanent Magnet Machine. , 2016, , .		1
115	Performance Evaluation of a U-Shaped Less-Rare-Earth Hybrid Permanent Magnet Assisted Synchronous Reluctance Motor. , 2016, , .		6
116	A Full-Pitched Flux-Switching Permanent-Magnet Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	16
117	Analysis of Variable Voltage Gain Power Converter for Switched Reluctance Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	11
118	Electromagnetic Performance Analysis of Less Rare-Earth Double-Stator Permanent Magnet Machine. , 2016, , .		0
119	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.	7.9	146
120	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.	2.1	53
121	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.	2.1	35
122	Performance Analysis of a Double-Salient Permanent-Magnet Double-Rotor Motor Using Electromagnetic-Thermal Coupling Method. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	21
123	Electromagnetic Performance Analysis of a New Stator-Partitioned Flux Memory Machine Capable of Online Flux Control. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	13
124	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.	1.7	23
125	Comparison of Flux-Switching PM Motors With Different Winding Configurations Using Magnetic Gearing Principle. IEEE Transactions on Magnetics, 2016, 52, 1-8.	2.1	68
126	Comparative study of constant power speed range of three permanent magnet brushless machines with different d-axis inductance for electric vehicles. , 2015, , .		1

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127	Energy management control strategy for plug-in hybrid electric vehicle with brushless dual-rotor flux-switching permanent magnet motor. , 2015, , .		2
128	Thermal analysis of a "V"-shape sandwiched flux switching permanent magnet machine for electric vehicles. , 2015, , .		5
129	Equivalent variable permeance-networks analysis for out-rotor double-salient permanent-magnet in-wheel motors. , 2015, , .		1
130	Design and Optimization of Permanent Magnet Brushless Machines for Electric Vehicle Applications. Energies, 2015, 8, 13996-14008.	3.1	30
131	A Non-Rare-Earth Doubly Salient Flux Controllable Motor Capable of Fault-Tolerant Control. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	19
132	A Brushless Double Mechanical Port Permanent Magnet Motor for Plug-In HEVs. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	21
133	Design and evaluation of a new flux-intensifying permanent magnet brushless motor. , 2014, , .		2
134	Electromagnetic performances analysis of flux-intensifying permanent magnet synchronous machine with modular fractional slot concentrated windings. , 2014, , .		0
135	Design of a sandwiched flux switching permanent magnet machine with outer-rotor configuration. , 2014, , .		5
136	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.	2.1	45
137	The performance of a hybrid excitation flux switching motor with ferrite magnets for EVs. , 2014, , .		5
138	Design of a wireless power transfer system for EV application based on finite element analysis and MATLAB simulation. , 2014, , .		9
139	Design of a new magnetic-planetary-g geared outer-rotor permanent-magnet brushless motor for electric vehicles. , 2014, , .		5
140	Comparison and Analysis of Flux-Switching Permanent-Magnet Double-Rotor Machine With 4QT Used for HEV. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	30
141	Quantitative Comparison for Fractional-Slot Concentrated-Winding Configurations of Permanent-Magnet Vernier Machines. IEEE Transactions on Magnetics, 2013, 49, 3826-3829.	2.1	84
142	Design of Five-Phase Modular Flux-Switching Permanent-Magnet Machines for High Reliability Applications. IEEE Transactions on Magnetics, 2013, 49, 3941-3944.	2.1	66
143	Minimization of Cogging Force in a Novel Linear Permanent-Magnet Motor for Artificial Hearts. IEEE Transactions on Magnetics, 2013, 49, 3901-3904.	2.1	59
144	Investigation on the Dynamic Performances of a Doubly Salient Flux Memory Motor under On-Line Flux Regulation for Electric Vehicles. , 2013, , .		0

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145	Optimizing Design of Magnetic Planetary Gearbox for Reduction of Cogging Torque. , 2013, , .		7
146	Electromagnetic performances analysis of a new magnetic-planetary-g geared permanent magnet brushless machine for hybrid electric vehicles. , 2012, , .		2
147	A New Magnetic-Planetary-G geared Permanent Magnet Brushless Machine for Hybrid Electric Vehicle. IEEE Transactions on Magnetics, 2012, 48, 4642-4645.	2.1	53
148	An overview of double power flow motor used in hybrid electrical vehicles. , 2011, , .		1
149	Dual-mode operations of new stator-permanent-magnet double salient flux memory motor drive. , 2011, , .		1
150	Development of a new two-rotor doubly salient permanent magnet motor for hybrid electric vehicles. , 2011, , .		3
151	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.	2.1	59
152	Design and Analysis of a New Flux Memory Doubly Salient Motor Capable of Online Flux Control. IEEE Transactions on Magnetics, 2011, 47, 3220-3223.	2.1	63
153	A integrated starter-generator based on flux memory machines for hybrid electric vehicles. , 2011, , .		1
154	Design and analysis of a new fractional-slot-windings axial-flux permanent-magnet machine. , 2011, , .		2
155	Electromagnetic performance analysis and vector control of a flux-controllable stator-permanent-magnet brushless motor with skewed rotor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 62-71.	0.9	13
156	Design of a new two-rotor doubly salient permanent magnet motor control system based on TMS320F28335. , 2011, , .		0
157	Modeling and simulation of a new two-rotor doubly salient permanent magnet machine. , 2011, , .		1
158	A novel magnetic-g geared doubly salient permanent magnet machine for low-speed high-torque applications. , 2011, , .		1
159	Design, analysis and control of hybrid excited doubly salient stator-permanent-magnet motor. Science China Technological Sciences, 2010, 53, 188-199.	4.0	51
160	Electromagnetic performance analysis of a new stator-permanent-magnet doubly salient flux memory motor using a piecewise-linear hysteresis model. , 2010, , .		0
161	Remedial Brushless AC Operation of Fault-Tolerant Doubly Salient Permanent-Magnet Motor Drives. IEEE Transactions on Industrial Electronics, 2010, 57, 2134-2141.	7.9	85
162	The flux controllable permanent magnet brushless machines: Concepts, developments and applications. , 2009, , .		1

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163	Torque ripple minimization of flux-controllable stator-permanent-magnet brushless motors using harmonic current injection. Journal of Applied Physics, 2009, 105, 07F102.	2.5	27
164	Fault-tolerant operation of brushless machines having magnets in the stator. , 2009, , .		0
165	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.	7.9	90
166	H.264 video encoder implementation and optimization based on DM642 DSP. , 2008, , .		1
167	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.	2.1	94