

Zq Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Arbitrary Current Harmonic Decomposition and Regulation for Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2023, 70, 4392-4404.	7.9	0
2	Analysis of Excitation Winding Induced EMF in Non-Overlapped Stator Wound Field Synchronous Machines. IEEE Transactions on Energy Conversion, 2022, 37, 685-695.	5.2	1
3	Generalized Predictive dc-Link Voltage Control for Grid-Connected Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1489-1506.	5.4	8
4	Estimation of 3-D Magnet Temperature Distribution Based on Lumped-Parameter and Analytical Hybrid Thermal Model for SPMSM. IEEE Transactions on Energy Conversion, 2022, 37, 515-525.	5.2	18
5	Suppression of Major Current Harmonics for Dual Three-Phase PMSMs by Virtual Multi Three-Phase Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 5478-5490.	7.9	25
6	Influence of Rotor Eccentricity On Electromagnetic Performance of 2-pole/3-slot PM Motors. IEEE Transactions on Energy Conversion, 2022, 37, 696-706.	5.2	15
7	Reduction of On-Load DC Winding-Induced Voltage in Partitioned Stator Wound Field Switched Flux Machines by Dual Three-Phase Armature Winding. IEEE Transactions on Industrial Electronics, 2022, 69, 5409-5420.	7.9	8
8	Two-Level Surrogate-Assisted Transient Parameters Design Optimization of a Wound-Field Synchronous Machine. IEEE Transactions on Energy Conversion, 2022, 37, 737-747.	5.2	6
9	Novel Magnetic-Field-Shifting Techniques in Asymmetric Rotor Pole Interior PM Machines With Enhanced Torque Density. IEEE Transactions on Magnetics, 2022, 58, 1-10.	2.1	25
10	Improved Cross-coupling Effect Compensation Method for Sensorless Control of IPMSM With High Frequency Voltage Injection. IEEE Transactions on Energy Conversion, 2022, 37, 347-358.	5.2	15
11	Analytical Modelling and Optimization of Output Voltage Harmonic Spectra of Full-Bridge Modular Multilevel Converters in Boost Mode. IEEE Transactions on Power Electronics, 2022, 37, 3403-3420.	7.9	7
12	Improved Low-Order Thermal Model for Critical Temperature Estimation of PMSM. IEEE Transactions on Energy Conversion, 2022, 37, 413-423.	5.2	15
13	Simultaneous Sensorless Rotor Position and Torque Estimation for IPMSM at Standstill and Low Speed Based on High-Frequency Square Wave Voltage Injection. IEEE Transactions on Industrial Electronics, 2022, 69, 8791-8802.	7.9	1
14	Multiple Synchronous Reference Frame Current Harmonic Regulation of Dual Three Phase PMSM With Enhanced Dynamic Performance and System Stability. IEEE Transactions on Industrial Electronics, 2022, 69, 8825-8838.	7.9	14
15	Electromagnetic Performance Analysis of 6-Slot/2-Pole High-Speed Permanent Magnet Motors With Coil-pitch of Two Slot-pitches. IEEE Transactions on Energy Conversion, 2022, 37, 1335-1345.	5.2	7
16	Comparative study of dual 3 ϕ phase permanent magnet machines with coil span of two slot ϕ pitches. IET Electric Power Applications, 2022, 16, 1426-1438.	1.8	2
17	Influence of Armature Reaction on Magnetic-Field-Shifting Effect in Asymmetric Interior Permanent Magnet Machines. IEEE Transactions on Energy Conversion, 2022, 37, 1475-1488.	5.2	3
18	Effect of Airgap Length on Electromagnetic Performance of Permanent Magnet Vernier Machines With Different Power Ratings. IEEE Transactions on Industry Applications, 2022, 58, 1920-1930.	4.9	4

#	ARTICLE	IF	CITATIONS
19	Low Switching Frequency SPWM Strategies for Open-Winding Machine With Low Current Harmonics. IEEE Transactions on Industry Applications, 2022, 58, 2042-2054.	4.9	5
20	Investigation on Symmetrical Characteristics of Consequent-Pole Flux Reversal Permanent Magnet Machines with Concentrated Windings. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	2
21	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth Tips. IEEE Transactions on Industry Applications, 2022, 58, 1976-1990.	4.9	9
22	Optimization and Improvement of Advanced Nonoverlapping Induction Machines for EVs/HEVs. IEEE Access, 2022, 10, 13329-13353.	4.2	4
23	Permanent Magnet Machines for High-Speed Applications. World Electric Vehicle Journal, 2022, 13, 18.	3.0	25
24	A Novel Asymmetric Interior Permanent Magnet Synchronous Machine. IEEE Transactions on Industry Applications, 2022, 58, 3370-3382.	4.9	14
25	Investigation of Asymmetric Consequent-Pole Hybrid Excited Flux Reversal Machines. IEEE Transactions on Industry Applications, 2022, 58, 3434-3446.	4.9	5
26	Investigation of Stator/Rotor Pole Number Combinations and PM Numbers in Consequent-Pole Hybrid Excited Flux Reversal Machine. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	4
27	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 3512-3523.	7.8	11
28	Estimation of Two- and Three-dimensional Spatial Magnet Temperature Distributions for Interior PMSMs Based on Hybrid Analytical and Lumped-parameter Thermal Model. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	4
29	High Frequency Signal Injection Sensorless Control of Finite-Control-Set Model Predictive Control With Deadbeat Solution. IEEE Transactions on Industry Applications, 2022, 58, 3685-3695.	4.9	8
30	Tracking of Winding and Magnet Hotspots in SPMSMs Based on Synergized Lumped-parameter and Sub-domain Thermal Models. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	2
31	Improved Sensorless Control Method and Asymmetric Phase Resistances Determination for Permanent Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2022, 58, 3624-3636.	4.9	7
32	Effect of Pole Shaping on Torque Characteristics of Consequent Pole PM Machines. IEEE Transactions on Industry Applications, 2022, 58, 3511-3521.	4.9	17
33	Simplified 3-D Hybrid Analytical Modelling of Magnet Temperature Distribution for Surface-mounted PMSM With Segmented Magnets. IEEE Transactions on Industry Applications, 2022, 58, 4474-4487.	4.9	4
34	Suppression of Torque Ripple for Consequent Pole PM Machine by Asymmetric Pole Shaping Method. IEEE Transactions on Industry Applications, 2022, 58, 3545-3557.	4.9	8
35	Inverter Nonlinearity Compensation for Open-Winding Machine With Dual Switching Modes. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6180-6191.	5.4	3
36	Permanent Magnet Vernier Machines for Direct-Drive Offshore Wind Power: Benefits and Challenges. IEEE Access, 2022, 10, 20652-20668.	4.2	21

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37	Flux-Adjustable Permanent Magnet Machines in Traction Applications. World Electric Vehicle Journal, 2022, 13, 60.	3.0	3
38	Comparison of Different Winding Configurations for Dual Three-Phase Interior PM Machines in Electric Vehicles. World Electric Vehicle Journal, 2022, 13, 51.	3.0	9
39	A Novel Space Vector PWM Technique With Duty Cycle Optimization Through Zero Vectors for Dual Three-Phase PMSM. IEEE Transactions on Energy Conversion, 2022, 37, 2271-2284.	5.2	9
40	A Commutation Optimization Strategy for High-Speed Brushless DC Drives With Voltage Source Inverter. IEEE Transactions on Industry Applications, 2022, 58, 4722-4732.	4.9	4
41	A Position Error Correction Method for Sensorless Control of Dual Three-Phase Permanent Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2022, 58, 3589-3601.	4.9	3
42	AC Losses in Form-Wound Coils of Surface Mounted Permanent Magnet Vernier Machines. IEEE Transactions on Magnetics, 2022, 58, 1-15.	2.1	1
43	Effect of End-Winding on Electromagnetic Performance of Fractional Slot and Vernier PM Machines With Different Slot/Pole Number Combinations and Winding Configurations. IEEE Access, 2022, 10, 49934-49955.	4.2	7
44	Investigation of Variable Field Harmonic Principle in Hybrid-Excited Switched-Flux Machine. , 2022, , .		0
45	A Commutation Error Compensation Strategy for High-Speed Brushless DC Drive Based on Adaline Filter. IEEE Transactions on Industrial Electronics, 2021, 68, 3728-3738.	7.9	24
46	A Novel Sensorless Initial Position Estimation and Startup Method. IEEE Transactions on Industrial Electronics, 2021, 68, 2964-2975.	7.9	14
47	Influences of PM Number and Shape of Spoke Array PM Flux Reversal Machines. IEEE Transactions on Energy Conversion, 2021, 36, 1131-1142.	5.2	9
48	Influence of Coil Location and Current Angle in Permanent Magnet Wind Power Generators With High-Temperature Superconducting Armature Windings. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-10.	1.7	5
49	Six-Phase Pole-Changing Winding Induction Machines With Improved Performance. IEEE Transactions on Energy Conversion, 2021, 36, 534-546.	5.2	18
50	Performance Investigation of Consequent-Pole PM Machines With E-core and C-core Modular Stators. IEEE Transactions on Energy Conversion, 2021, 36, 1169-1179.	5.2	16
51	Spectral Analysis and Sideband Harmonic Cancellation of Six-Step Operation With Low Carrier-Fundamental Frequency Ratio for High-Speed Brushless DC Drives. IEEE Transactions on Industrial Electronics, 2021, 68, 7778-7792.	7.9	10
52	Improved Direct Torque Control Method for Dual-Three-Phase Permanent-Magnet Synchronous Machines With Back EMF Harmonics. IEEE Transactions on Industrial Electronics, 2021, 68, 9319-9333.	7.9	25
53	Two-Phase DC-Biased Vernier Reluctance Machines. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
54	Analysis of Split-Tooth Stator Slot PM Machine. IEEE Transactions on Industrial Electronics, 2021, 68, 10580-10591.	7.9	13

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55	Influence of Stator Slot and Rotor Pole Number Combination on Field Winding Induced Voltage Ripple in Hybrid Excitation Switched Flux Machine. IEEE Transactions on Energy Conversion, 2021, 36, 1245-1261.	5.2	11
56	Impact of Current Harmonic Injection on Performance of Multi-Phase Synchronous Reluctance Machines. IEEE Transactions on Energy Conversion, 2021, 36, 1649-1659.	5.2	4
57	A Simple Sensorless Position Error Correction Method for Dual Three-Phase Permanent Magnet Synchronous Machines. IEEE Transactions on Energy Conversion, 2021, 36, 895-906.	5.2	17
58	A Hybrid Lumped-Parameter and Two-Dimensional Analytical Thermal Model for Electrical Machines. IEEE Transactions on Industry Applications, 2021, 57, 246-258.	4.9	24
59	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 766-778.	7.8	20
60	Rotor Stress Analysis of High-Speed Permanent Magnet Machines With Segmented Magnets Retained by Carbon-Fibre Sleeve. IEEE Transactions on Energy Conversion, 2021, 36, 971-983.	5.2	24
61	Investigation of Novel Fractional Slot Nonoverlapping Winding Hybrid Excited Machines With Different Rotor Topologies. IEEE Transactions on Industry Applications, 2021, 57, 468-480.	4.9	18
62	Influence of Stator Gap on Electromagnetic Performance of 6-Slot/2-Pole Modular High Speed Permanent Magnet Motor With Toroidal Windings. IEEE Access, 2021, 9, 94470-94494.	4.2	8
63	A new simplified fundamental model-based sensorless control method for surface-mounted permanent magnet synchronous machines. IET Electric Power Applications, 2021, 15, 159-170.	1.8	0
64	Comparative Study of Electromagnetic Performance of Stator Slot PM Machines. IEEE Access, 2021, 9, 41876-41890.	4.2	4
65	PWM Switching Delay Correction Method for High-Speed Brushless DC Drives. IEEE Access, 2021, 9, 81717-81727.	4.2	10
66	Analysis of Novel Consequent Pole Flux Reversal Permanent Magnet Machines. IEEE Transactions on Industry Applications, 2021, 57, 382-396.	4.9	23
67	A Novel Asymmetric-Magnetic-Pole Interior PM Machine With Magnet-Axis-Shifting Effect. IEEE Transactions on Industry Applications, 2021, 57, 5927-5938.	4.9	11
68	Virtual Third Harmonic Back EMF-Based Sensorless Drive for High-Speed BLDC Motors Considering Machine Parameter Asymmetries. IEEE Transactions on Industry Applications, 2021, 57, 306-315.	4.9	23
69	Analysis of Stator-Slot Circumferentially Magnetized PM Machines with Full-Pitched Windings. World Electric Vehicle Journal, 2021, 12, 33.	3.0	0
70	Novel Single-Phase Short-Stroke Tubular Permanent Magnet Oscillating Machines with Partitioned Stator. Energies, 2021, 14, 1863.	3.1	3
71	Stator Optimization of Wind Power Generators With High-Temperature Superconducting Armature Windings and Permanent Magnet Rotor. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-10.	1.7	6
72	Modelling and vector control of dual three-phase PMSM with one-phase open. IET Electric Power Applications, 2021, 15, 847-860.	1.8	11

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73	Recent Developments of High Speed Electrical Machine Drive Systems. , 2021, , .		2
74	Novel Dual-PM Spoke-Type Flux-Reversal Machines. , 2021, , .		5
75	Compensation of Selective Current Harmonics for Switching-Table-Based Direct Torque Control of Dual Three-Phase PMSM Drives. IEEE Transactions on Industry Applications, 2021, 57, 2505-2515.	4.9	11
76	A Position Error Correction Method for Sensorless Control of Dual Three-Phase Permanent Magnet Synchronous Machines. , 2021, , .		3
77	Analysis of Novel Dual-PM Vernier Machines. , 2021, , .		1
78	A Low Switching Frequency SPWM Strategy for Open-winding Machine with Low Current Harmonics. , 2021, , .		2
79	Effect of Pole Shaping on Torque Characteristics of Consequent Pole PM Machines. , 2021, , .		3
80	Six-phase Pole Changing Winding Induction Machine with 3rd Harmonic Injection. , 2021, , .		1
81	Suppression of Torque Ripple for Consequent Pole PM Machine by Asymmetric Pole Shaping Method. , 2021, , .		6
82	A Generalized Decomposition Model of Dual Three-Phase Permanent Magnet Synchronous Machines Considering Asymmetric Impedances and Compensation Capability. IEEE Transactions on Industry Applications, 2021, 57, 3763-3775.	4.9	11
83	Analysis of DC-Biased Vernier Reluctance Machines Having Distributed Windings. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
84	Switching-Table-Based Direct Torque Control of Dual Three-Phase PMSMs With Closed-Loop Current Harmonics Compensation. IEEE Transactions on Power Electronics, 2021, 36, 10645-10659.	7.9	21
85	A Novel Method for Estimating the High Frequency Incremental DQ-Axis and Cross-Coupling Inductances in Interior Permanent Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2021, 57, 4913-4923.	4.9	8
86	Investigation of Novel Doubly Salient Hybrid Excited Machine With Non-Overlapped Field Winding. IEEE Transactions on Energy Conversion, 2021, 36, 2261-2275.	5.2	10
87	Influence of rotor iron bridge position on DC-winding-induced voltage in wound field switched flux machine having partitioned stators. Chinese Journal of Electrical Engineering, 2021, 7, 20-28.	3.4	3
88	A Novel Spoke-Type Asymmetric Rotor Interior Permanent Magnet Machine. IEEE Transactions on Industry Applications, 2021, 57, 4840-4851.	4.9	24
89	A Novel Asymmetric Interior Permanent Magnet Machine for Electric Vehicles. IEEE Transactions on Energy Conversion, 2021, 36, 2404-2415.	5.2	24
90	A Rotor Initial Position Estimation Method for Surface-Mounted Permanent Magnet Synchronous Machine. IEEE Transactions on Energy Conversion, 2021, 36, 2012-2024.	5.2	7

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91	Voltage Pulsation Induced in DC Field Winding of Different Hybrid Excitation Switched Flux Machines. IEEE Transactions on Industry Applications, 2021, 57, 4815-4830.	4.9	6
92	Enhancement of Disturbance Rejection Capability in Dual Three-Phase PMSM System by Using Virtual Impedance. IEEE Transactions on Industry Applications, 2021, 57, 4901-4912.	4.9	6
93	Enhancement of torque density in wound field switched flux machines with partitioned stators using assisted ferrites. Chinese Journal of Electrical Engineering, 2021, 7, 42-51.	3.4	3
94	Modulation Restraint Analysis of Space Vector PWM for Dual Three-Phase Machines Under Vector Space Decomposition. IEEE Transactions on Power Electronics, 2021, 36, 14491-14507.	7.9	11
95	A Novel Asymmetric Rotor Interior Permanent Magnet Machine With Hybrid-Layer Permanent Magnets. IEEE Transactions on Industry Applications, 2021, 57, 5993-6006.	4.9	10
96	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. IEEE Transactions on Industry Applications, 2021, 57, 340-351.	4.9	23
97	Modeling and Optimization of Low-Capacitance Half-Bridge Modular Multilevel Converters Operated With Average Submodule Capacitor Voltage Control. IEEE Transactions on Industry Applications, 2021, 57, 6131-6144.	4.9	2
98	Comparative Study of Dual PM Vernier Machines. World Electric Vehicle Journal, 2021, 12, 12.	3.0	2
99	Comparative Study of 6-Slot/2-Pole High-Speed Permanent Magnet Motors With Different Winding Configurations. IEEE Transactions on Industry Applications, 2021, 57, 5864-5875.	4.9	11
100	Online Parameter Estimation for Permanent Magnet Synchronous Machines: An Overview. IEEE Access, 2021, 9, 59059-59084.	4.2	80
101	An Online Position Error Correction Method for Sensorless Control of Permanent Magnet Synchronous Machine With Parameter Mismatch. IEEE Access, 2021, 9, 135708-135722.	4.2	3
102	Study on noise and disturbance issues of generalized predictive speed control for permanent magnet synchronous machines. IET Electric Power Applications, 2021, 15, 63-78.	1.8	13
103	Influence of Slot Number on Electromagnetic Performance of 2-pole High-Speed Permanent Magnet Motors With Toroidal Windings. IEEE Transactions on Industry Applications, 2021, 57, 6023-6033.	4.9	11
104	Design and Analysis of Advanced Nonoverlapping Winding Induction Machines for EV/HEV Applications. Energies, 2021, 14, 6849.	3.1	6
105	Comparative Study of Transverse Flux Permanent Magnet Machines for Wind Power Applications. , 2021, , .		0
106	Simplified 3-D Hybrid Analytical Modelling of Magnet Temperature Distribution for Surfacemounted PMSM with Segmented Magnets. , 2021, , .		1
107	Analysis of Rotor Eccentricity Effects on Saliency Tracking Based Sensorless Control of Permanent Magnet Synchronous Machine. , 2021, , .		0
108	Advances in Dual-Three-Phase Permanent Magnet Synchronous Machines and Control Techniques. Energies, 2021, 14, 7508.	3.1	24

#	ARTICLE	IF	CITATIONS
109	Relationship Between Homopolar Inductor Machine and Wound-Field Synchronous Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 919-930.	7.9	29
110	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 101-114.	7.9	48
111	Analysis and Reduction of On-Load DC Winding Induced Voltage in Wound Field Switched Flux Machines. IEEE Transactions on Industrial Electronics, 2020, 67, 2655-2666.	7.9	26
112	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. IEEE Transactions on Industrial Electronics, 2020, 67, 2107-2121.	7.9	61
113	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 5258-5268.	7.9	63
114	Comparative Analysis of Flux Reversal Permanent Magnet Machines With Toroidal and Concentrated Windings. IEEE Transactions on Industrial Electronics, 2020, 67, 5278-5290.	7.9	26
115	Adaptive Threshold Correction Strategy for Sensorless High-Speed Brushless DC Drives Considering Zero-Crossing-Point Deviation. IEEE Transactions on Industrial Electronics, 2020, 67, 5246-5257.	7.9	15
116	Electromagnetic Performance Comparison Between 12-Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation. IEEE Transactions on Industry Applications, 2020, 56, 1408-1422.	4.9	24
117	Current Harmonics Suppression Strategy for PMSM With Nonsinusoidal Back-EMF Based on Adaptive Linear Neuron Method. IEEE Transactions on Industrial Electronics, 2020, 67, 9164-9173.	7.9	70
118	Novel Current Profile of Switched Reluctance Machines for Torque Density Enhancement in Low-Speed Applications. IEEE Transactions on Industrial Electronics, 2020, 67, 9623-9634.	7.9	15
119	System-Level Investigation of Multi-MW Direct-Drive Wind Power PM Vernier Generators. IEEE Access, 2020, 8, 191433-191446.	4.2	21
120	Safety Operation Area of Zero-Crossing Detection-Based Sensorless High-Speed BLDC Motor Drives. IEEE Transactions on Industry Applications, 2020, 56, 6456-6466.	4.9	14
121	48%V Starter-Generator Induction Machine With Pole-Changing Windings. IEEE Transactions on Industry Applications, 2020, 56, 6324-6337.	4.9	11
122	A Review on Transverse Flux Permanent Magnet Machines for Wind Power Applications. IEEE Access, 2020, 8, 216543-216565.	4.2	22
123	Effect of Airgap Length on Electromagnetic Performance of Surface Mounted Permanent Magnet Vernier Machine. , 2020, , .		3
124	Comparison of 6-slot/2-pole High-Speed Permanent Magnet Motors with Different Winding Configurations. , 2020, , .		2
125	Investigation of DC Winding Induced Voltage in Hybrid-Excited Switched-Flux Permanent Magnet Machine. IEEE Transactions on Industry Applications, 2020, 56, 3594-3603.	4.9	24
126	Analysis and Suppression of Rotor Eccentricity Effects on Fundamental Model Based Sensorless Control of Permanent Magnet Synchronous Machine. IEEE Transactions on Industry Applications, 2020, 56, 4896-4905.	4.9	20

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127	Analysis of Spoke Array Permanent Magnet Flux Reversal Machines. IEEE Transactions on Energy Conversion, 2020, 35, 1688-1696.	5.2	19
128	Analytical Modelling of Dynamic Performance with Harmonic Current Injection for Doubly Salient SynRMs. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	3
129	Feasible Stator/Rotor Pole Combinations of Variable Flux Reluctance Machines With Second Harmonic Current Injection Method. IEEE Transactions on Industry Applications, 2020, 56, 4785-4795.	4.9	2
130	Comparative Study of Series and Parallel Hybrid Excited Machines. IEEE Transactions on Energy Conversion, 2020, 35, 1705-1714.	5.2	14
131	Scaling Effect on Electromagnetic Performance of Surface-Mounted Permanent-Magnet Vernier Machine. IEEE Transactions on Magnetics, 2020, 56, 1-15.	2.1	17
132	A Novel Fractional Slot Non-Overlapping Winding Hybrid Excited Machine With Consequent-Pole PM Rotor. IEEE Transactions on Energy Conversion, 2020, 35, 1628-1637.	5.2	29
133	Research on a hybrid excitation PM synchronous generator with stator third harmonic winding excitation. IET Electric Power Applications, 2020, 14, 418-425.	1.8	7
134	Theoretical Harmonic Spectra of PWM Waveforms Including DC Bus Voltage Ripple Application to a Low-Capacitance Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2020, 35, 9291-9305.	7.9	16
135	Adaptive Voltage Feedback Controllers on Nonsalient Permanent Magnet Synchronous Machine. IEEE Transactions on Industry Applications, 2020, 56, 1529-1542.	4.9	16
136	Investigation of Torque Characteristics of Switched Flux Hybrid Magnet Memory Machine by a Coupled Solution. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	3
137	Fuzzy Logic Speed Control of Permanent Magnet Synchronous Machine and Feedback Voltage Ripple Reduction in Flux-Weakening Operation Region. IEEE Transactions on Industry Applications, 2020, 56, 1505-1517.	4.9	58
138	Analysis of coil pitch in induction machines for electric vehicle applications. IET Electric Power Applications, 2020, 14, 2525-2536.	1.8	7
139	Hybrid virtual impedance-based control strategy for DFIG in hybrid wind farm to disperse negative sequence current during network unbalance. IET Renewable Power Generation, 2020, 14, 2268-2277.	3.1	3
140	Investigation of a hybrid excited doubly salient machine with permanent magnets located on stator slot openings. IET Electric Power Applications, 2020, 14, 1541-1549.	1.8	3
141	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth-Tips. , 2020, , .		3
142	Investigation of scaling effect on power factor of permanent magnet Vernier machines for wind power application. IET Electric Power Applications, 2020, 14, 2136-2145.	1.8	8
143	A Novel V-shape Interior Permanent Magnet Synchronous Machine with Asymmetric Spoke-type Flux Barrier. , 2020, , .		8
144	A Novel Asymmetric Interior Permanent Magnet Synchronous Machine. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
145	Investigation of Unbalanced Magnetic Force in Fractional-Slot Permanent Magnet Machines Having an Odd Number of Stator Slots. IEEE Transactions on Energy Conversion, 2020, 35, 1954-1963.	5.2	18
146	Influence of Slot Number on Electromagnetic Performance of 2-pole High-Speed Permanent Magnet Motors with Toroidal Windings. , 2020, , .		4
147	Generic Slot and Pole Number Combinations for Novel Modular Permanent Magnet Dual 3-Phase Machines With Redundant Teeth. IEEE Transactions on Energy Conversion, 2020, 35, 1676-1687.	5.2	9
148	A Novel Spoke-type Asymmetric Rotor Interior PM Machine. , 2020, , .		10
149	Vibrations and Acoustic Noise Analyses of Modular SPM Machines. , 2020, , .		2
150	Voltage Pulsation Induced in DC Field Winding of Different Hybrid Excitation Switched Flux Machines. , 2020, , .		3
151	Enhancement of Disturbance Rejection Capability in Dual Three Phase PMSM System by Using Virtual Impedance. , 2020, , .		4
152	Improved Sensorless Control Method for Permanent Magnet Synchronous Machines Considering Resistance Asymmetry and Temperature Variation. , 2020, , .		4
153	A Novel Asymmetric Rotor Interior PM Machine with Hybrid-layer PMs. , 2020, , .		6
154	Investigation of Asymmetric Consequent-Pole Hybrid Excited Flux Reversal Machines. , 2020, , .		4
155	A Novel Rotor Initial Position Detection Method Utilizing DC-Link Voltage Sensor. IEEE Transactions on Industry Applications, 2020, 56, 6486-6495.	4.9	6
156	Reduction of Open-Circuit DC-Winding-Induced Voltage in Wound Field Switched Flux Machines by Skewing. IEEE Transactions on Industrial Electronics, 2019, 66, 1715-1726.	7.9	37
157	Optimal Number of Magnet Pieces of Flux Reversal Permanent Magnet Machines. IEEE Transactions on Energy Conversion, 2019, 34, 889-898.	5.2	18
158	Comparative Studies of Fractional/Integer-Slot Consequent Pole Permanent Magnet Machines. , 2019, , .		5
159	Investigation of Integer/Fractional Slot Consequent Pole PM Machines with Different Rotor Structures. , 2019, , .		3
160	Investigation of stator slot/rotor pole combination of flux reversal permanent magnet machine with consequentâ€pole PM structure. Journal of Engineering, 2019, 2019, 4267-4272.	1.1	7
161	Optimal Number of Flux Modulation Pole in Vernier Permanent Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2019, 55, 5747-5757.	4.9	22
162	Torque Performance Improvement of Doubly Salient Synchronous Reluctance Machines by Current Harmonic Injection. , 2019, , .		1

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163	Safety Operation Area of Zero-Crossing Detection based Sensorless High Speed BLDC Motor Drives. , 2019, , .		3
164	Novel partitioned stator hybrid excited machines with magnets on slot openings. Journal of Engineering, 2019, 2019, 3568-3572.	1.1	4
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