

# Zq Zhu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

802  
papers

23,110  
citations

75  
h-index

120  
g-index

879  
ext. papers

29,028  
ext. citations

3.7  
avg, IF

7.72  
L-index

#	Paper	IF	Citations
802	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. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
801	Optimization and Improvement of Advanced Nonoverlapping Induction Machines for EVs/HEVs. <i>IEEE Access</i> , <b>2022</b> , 10, 13329-13353	3.5	0
800	Permanent Magnet Machines for High-Speed Applications. <i>World Electric Vehicle Journal</i> , <b>2022</b> , 13, 18	2.5	2
799	A Novel Asymmetric Interior Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
798	Low Switching Frequency SPWM Strategies for Open-winding Machine with Low Current Harmonics. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	
797	Investigation on Symmetrical Characteristics of Consequent-Pole Flux Reversal Permanent Magnet Machines with Concentrated Windings. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	1
796	Investigation of Asymmetric Consequent-Pole Hybrid Excited Flux Reversal Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
795	Investigation of Stator/Rotor Pole Number Combinations and PM Numbers in Consequent-Pole Hybrid Excited Flux Reversal Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	0
794	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. <i>IEEE Transactions on Transportation Electrification</i> , <b>2022</b> , 1-1	7.6	2
793	Estimation of Two- and Three-dimensional Spatial Magnet Temperature Distributions for Interior PMSMs Based on Hybrid Analytical and Lumped-parameter Thermal Model. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
792	High frequency signal injection sensorless control of finite-control-set model predictive control with deadbeat solution. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
791	Tracking of Winding and Magnet Hotspots in SPMSMs Based on Synergized Lumped-parameter and Sub-domain Thermal Models. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
790	Improved sensorless control method and asymmetric phase resistances determination for permanent magnet synchronous machines. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
789	Effect of Pole Shaping on Torque Characteristics of Consequent Pole PM Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	2
788	Simplified 3-D Hybrid Analytical Modelling of Magnet Temperature Distribution for Surface-mounted PMSM with Segmented Magnets. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
787	Suppression of Torque Ripple for Consequent Pole PM Machine by Asymmetric Pole Shaping Method. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	2
786	Inverter Nonlinearity Compensation for Open-Winding Machine with Dual Switching Modes. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	0

785	Permanent Magnet Vernier Machines for Direct-Drive Offshore Wind Power: Benefits and Challenges. <i>IEEE Access</i> , <b>2022</b> , 10, 20652-20668	3.5	7
784	Flux-Adjustable Permanent Magnet Machines in Traction Applications. <i>World Electric Vehicle Journal</i> , <b>2022</b> , 13, 60	2.5	1
783	Comparison of Different Winding Configurations for Dual Three-Phase Interior PM Machines in Electric Vehicles. <i>World Electric Vehicle Journal</i> , <b>2022</b> , 13, 51	2.5	1
782	A Novel Space Vector PWM Technique with Duty Cycle Optimization through Zero Vectors for Dual Three-Phase PMSM. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	0
781	A Commutation Optimization Strategy for High Speed Brushless DC Drives with Voltage Source Inverter. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	
780	A Position Error Correction Method for Sensorless Control of Dual Three-Phase Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
779	AC Losses in Form-Wound Coils of Surface Mounted Permanent Magnet Vernier Machines. <i>IEEE Transactions on Magnetics</i> , <b>2022</b> , 1-1	2	
778	Effect of End-winding on Electromagnetic Performance of Fractional Slot and Vernier PM Machines with Different Slot/pole Number Combinations and Winding Configurations. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
777	Electromagnetic Performance Analysis of 6-Slot/2-Pole High-Speed Permanent Magnet Motors with Coil-pitch of Two Slot-pitches. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	3
776	Advances in Dual-Three-Phase Permanent Magnet Synchronous Machines and Control Techniques. <i>Energies</i> , <b>2021</b> , 14, 7508	3.1	4
775	Influence of Armature Reaction on Magnetic-field-shifting Effect in Asymmetric Interior Permanent Magnet Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	1
774	Effect of Airgap Length on Electromagnetic Performance of Permanent Magnet Vernier Machines with Different Power Ratings. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
773	Influence of Slot Number on Electromagnetic Performance of 2-pole High-Speed Permanent Magnet Motors With Toroidal Windings. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
772	Multiple Synchronous Reference Frame Current Harmonic Regulation of Dual Three Phase PMSM with Enhanced Dynamic Performance and System Stability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	3
771	Design and Analysis of Advanced Nonoverlapping Winding Induction Machines for EV/HEV Applications. <i>Energies</i> , <b>2021</b> , 14, 6849	3.1	1
770	Study on noise and disturbance issues of generalized predictive speed control for permanent magnet synchronous machines. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 63-78	1.8	5
769	Stator Optimization of Wind Power Generators With High-Temperature Superconducting Armature Windings and Permanent Magnet Rotor. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-10	1.8	4
768	Modelling and vector control of dual three-phase PMSM with one-phase open. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 847-860	1.8	5

767	Compensation of Selective Current Harmonics for Switching-Table-Based Direct Torque Control of Dual Three-Phase PMSM Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2505-2515	4.3	5
766	A Position Error Correction Method for Sensorless Control of Dual Three-Phase Permanent Magnet Synchronous Machines <b>2021</b> ,		2
765	A Low Switching Frequency SPWM Strategy for Open-winding Machine with Low Current Harmonics <b>2021</b> ,		2
764	Effect of Pole Shaping on Torque Characteristics of Consequent Pole PM Machines <b>2021</b> ,		1
763	Suppression of Torque Ripple for Consequent Pole PM Machine by Asymmetric Pole Shaping Method <b>2021</b> ,		2
762	A Commutation Error Compensation Strategy for High-Speed Brushless DC Drive Based on Adaline Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3728-3738	8.9	7
761	A Novel Sensorless Initial Position Estimation and Startup Method. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2964-2975	8.9	6
760	Influences of PM Number and Shape of Spoke Array PM Flux Reversal Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1131-1142	5.4	2
759	Influence of Coil Location and Current Angle in Permanent Magnet Wind Power Generators With High-Temperature Superconducting Armature Windings. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2021</b> , 31, 1-10	1.8	3
758	Six-Phase Pole-Changing Winding Induction Machines With Improved Performance. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 534-546	5.4	4
757	. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1169-1179	5.4	8
756	Spectral Analysis and Sideband Harmonic Cancellation of Six-Step Operation With Low Carrier Fundamental Frequency Ratio for High-Speed Brushless DC Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7778-7792	8.9	5
755	Improved Direct Torque Control Method for Dual-Three-Phase Permanent-Magnet Synchronous Machines With Back EMF Harmonics. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9319-9333	8.9	14
754	Two-Phase DC-Biased Vernier Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 57, 1-5	2	3
753	Analysis of Split-Tooth Stator Slot PM Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 10580-10591	8.9	21
752	Influence of Stator Slot and Rotor Pole Number Combination on Field Winding Induced Voltage Ripple in Hybrid Excitation Switched Flux Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1245-1261	5.4	6
751	Impact of Current Harmonic Injection on Performance of Multi-Phase Synchronous Reluctance Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1649-1659	5.4	3
750	A Simple Sensorless Position Error Correction Method for Dual Three-Phase Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 895-906	5.4	8

749	A Hybrid Lumped-Parameter and Two-Dimensional Analytical Thermal Model for Electrical Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 246-258	4.3	7
748	Principle Investigation and Performance Comparison of Consequent-Pole Switched Flux PM Machines. <i>IEEE Transactions on Transportation Electrification</i> , <b>2021</b> , 7, 766-778	7.6	4
747	Rotor Stress Analysis of High-Speed Permanent Magnet Machines With Segmented Magnets Retained by Carbon-Fibre Sleeve. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 971-983	5.4	12
746	Analysis of Excitation Winding Induced EMF in Non-Overlapped Stator Wound Field Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	
745	Generalized Predictive DC-Link Voltage Control for Grid-Connected Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	4
744	Investigation of Novel Fractional Slot Nonoverlapping Winding Hybrid Excited Machines With Different Rotor Topologies. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 468-480	4.3	10
743	Estimation of 3-D Magnet Temperature Distribution Based on Lumped-parameter and Analytical Hybrid Thermal Model for SPMSM. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	4
742	Suppression of Major Current Harmonics for Dual Three Phase PMSMs by Virtual Multi Three Phase Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	7
741	Influence of Rotor Eccentricity on Electromagnetic Performance of 2-pole/3-slot PM Motors. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	2
740	Reduction of On-load DC Winding Induced Voltage in Partitioned Stator Wound Field Switched Flux Machines by Dual Three-phase Armature Winding. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	3
739	Influence of Stator Gap on Electromagnetic Performance of 6-Slot/2-Pole Modular High Speed Permanent Magnet Motor With Toroidal Windings. <i>IEEE Access</i> , <b>2021</b> , 9, 94470-94494	3.5	2
738	A new simplified fundamental model-based sensorless control method for surface-mounted permanent magnet synchronous machines. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 159-170	1.8	
737	Two-Level Surrogate-Assisted Transient Parameters Design Optimization of a Wound-Field Synchronous Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	2
736	Comparative Study of Electromagnetic Performance of Stator Slot PM Machines. <i>IEEE Access</i> , <b>2021</b> , 9, 41876-41890	3.5	2
735	PWM Switching Delay Correction Method for High-Speed Brushless DC Drives. <i>IEEE Access</i> , <b>2021</b> , 9, 81717-81727	3.5	2
734	Novel Magnetic-field-shifting Techniques in Asymmetric Rotor Pole Interior PM Machines with Enhanced Torque Density. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	5
733	Analysis of Novel Consequent Pole Flux Reversal Permanent Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 382-396	4.3	9
732	A Novel Asymmetric-Magnetic-Pole Interior PM Machine with Magnet-Axis-Shifting Effect. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	3

731	Improved Cross-coupling Effect Compensation Method for Sensorless Control of IPMSM with High Frequency Voltage Injection. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5-4	5
730	Analytical Modelling and Optimization of Output Voltage Harmonic Spectra of Full-Bridge Modular Multilevel Converters in Boost Mode. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7-2	2
729	Improved Low-order Thermal Model for Critical Temperature Estimation of PMSM. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5-4	4
728	Virtual Third Harmonic Back EMF-Based Sensorless Drive for High-Speed BLDC Motors Considering Machine Parameter Asymmetries. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 306-315	4-3	4
727	Analysis of Stator-Slot Circumferentially Magnetized PM Machines with Full-Pitched Windings. <i>World Electric Vehicle Journal</i> , <b>2021</b> , 12, 33	2-5	
726	Novel Single-Phase Short-Stroke Tubular Permanent Magnet Oscillating Machines with Partitioned Stator. <i>Energies</i> , <b>2021</b> , 14, 1863	3-1	0
725	A Generalized Decomposition Model of Dual Three-Phase Permanent Magnet Synchronous Machines Considering Asymmetric Impedances and Compensation Capability. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3763-3775	4-3	3
724	Analysis of DC-Biased Vernier Reluctance Machines Having Distributed Windings. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 57, 1-5	2	2
723	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 10645-10659	7-2	12
722	A Novel Method for Estimating the High Frequency Incremental DQ-Axis and Cross-Coupling Inductances in Interior Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4913-4923	4-3	1
721	Investigation of Novel Doubly Salient Hybrid Excited Machine With Non-Overlapped Field Winding. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2261-2275	5-4	3
720	Influence of rotor iron bridge position on DC-winding-induced voltage in wound field switched flux machine having partitioned stators. <i>Chinese Journal of Electrical Engineering</i> , <b>2021</b> , 7, 20-28	4	1
719	A Novel Spoke-Type Asymmetric Rotor Interior Permanent Magnet Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4840-4851	4-3	7
718	A Novel Asymmetric Interior Permanent Magnet Machine for Electric Vehicles. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2404-2415	5-4	8
717	A Rotor Initial Position Estimation Method for Surface-Mounted Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2012-2024	5-4	1
716	Voltage Pulsation Induced in DC Field Winding of Different Hybrid Excitation Switched Flux Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4815-4830	4-3	1
715	Enhancement of Disturbance Rejection Capability in Dual Three-Phase PMSM System by Using Virtual Impedance. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4901-4912	4-3	2
714	Enhancement of torque density in wound field switched flux machines with partitioned stators using assisted ferrites. <i>Chinese Journal of Electrical Engineering</i> , <b>2021</b> , 7, 42-51	4	2

713	Modulation Restraint Analysis of Space Vector PWM for Dual Three-Phase Machines Under Vector Space Decomposition. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 14491-14507	7.2	5
712	A Novel Asymmetric Rotor Interior Permanent Magnet Machine with Hybrid-layer Permanent Magnets. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
711	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 340-351	4.3	7
710	Modelling and Optimisation of Low-Capacitance Half-Bridge Modular Multilevel Converters Operated with Average Sub-Module Capacitor Voltage Control. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
709	Comparative Study of Dual PM Vernier Machines. <i>World Electric Vehicle Journal</i> , <b>2021</b> , 12, 12	2.5	0
708	Comparative Study of 6-slot/2-pole High-Speed Permanent Magnet Motors with Different Winding Configurations. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	3
707	Online Parameter Estimation for Permanent Magnet Synchronous Machines: An Overview. <i>IEEE Access</i> , <b>2021</b> , 9, 59059-59084	3.5	30
706	Simultaneous Sensorless Rotor Position and Torque Estimation for IPMSM at Standstill and Low Speed Based on High Frequency Square Wave Voltage Injection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	
705	An Online Position Error Correction Method for Sensorless Control of Permanent Magnet Synchronous Machine With Parameter Mismatch. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	
704	Investigation of DC Winding Induced Voltage in Hybrid-Excited Switched-Flux Permanent Magnet Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 3594-3603	4.3	13
703	Analysis and Suppression of Rotor Eccentricity Effects on Fundamental Model Based Sensorless Control of Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 4896-4905	4.3	9
702	Analysis of Spoke Array Permanent Magnet Flux Reversal Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1688-1696	5.4	8
701	Analytical Modeling of Dynamic Performance with Harmonic Current Injection for Doubly Salient Synchronous Reluctance Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	1
700	Feasible Stator/Rotor Pole Combinations of Variable Flux Reluctance Machines With Second Harmonic Current Injection Method. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 4785-4795	4.3	1
699	Comparative Study of Series and Parallel Hybrid Excited Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1705-1714	5.4	3
698	Scaling Effect on Electromagnetic Performance of Surface-Mounted Permanent-Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-15	2	9
697	A Novel Fractional Slot Non-Overlapping Winding Hybrid Excited Machine With Consequent-Pole PM Rotor. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1628-1637	5.4	19
696	Research on a hybrid excitation PM synchronous generator with stator third harmonic winding excitation. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 418-425	1.8	6

695	Theoretical Harmonic Spectra of PWM Waveforms Including DC Bus Voltage Ripple Application to a Low-Capacitance Modular Multilevel Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 9291-9305	7.3	8
694	Adaptive Voltage Feedback Controllers on Nonsalient Permanent Magnet Synchronous Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1529-1542	4.3	9
693	Investigation of Torque Characteristics of Switched Flux Hybrid Magnet Memory Machine by a Coupled Solution. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-5	2	1
692	Fuzzy Logic Speed Control of Permanent Magnet Synchronous Machine and Feedback Voltage Ripple Reduction in Flux-Weakening Operation Region. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1505-1517	4.3	26
691	Investigation of Asymmetric Consequent-Pole Hybrid Excited Flux Reversal Machines <b>2020</b> ,		3
690	A Novel Rotor Initial Position Detection Method Utilizing DC-Link Voltage Sensor. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6486-6495	4.3	1
689	Influence of Slot Number on Electromagnetic Performance of 2-pole High-Speed Permanent Magnet Motors with Toroidal Windings <b>2020</b> ,		2
688	Generic Slot and Pole Number Combinations for Novel Modular Permanent Magnet Dual 3-Phase Machines With Redundant Teeth. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1676-1687	5.4	5
687	A Novel Spoke-type Asymmetric Rotor Interior PM Machine <b>2020</b> ,		5
686	Voltage Pulsation Induced in DC Field Winding of Different Hybrid Excitation Switched Flux Machines <b>2020</b> ,		2
685	Enhancement of Disturbance Rejection Capability in Dual Three Phase PMSM System by Using Virtual Impedance <b>2020</b> ,		4
684	Improved Sensorless Control Method for Permanent Magnet Synchronous Machines Considering Resistance Asymmetry and Temperature Variation <b>2020</b> ,		1
683	A Novel Asymmetric Rotor Interior PM Machine with Hybrid-layer PMs <b>2020</b> ,		5
682	Investigation of a hybrid excited doubly salient machine with permanent magnets located on stator slot openings. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 1541-1549	1.8	1
681	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 <b>2020</b> ,		2
680	Investigation of scaling effect on power factor of permanent magnet Vernier machines for wind power application. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 2136-2145	1.8	4
679	A Novel V-shape Interior Permanent Magnet Synchronous Machine with Asymmetric Spoke-type Flux Barrier <b>2020</b> ,		5
678	A Novel Asymmetric Interior Permanent Magnet Synchronous Machine <b>2020</b> ,		5



677	Investigation of Unbalanced Magnetic Force in Fractional-Slot Permanent Magnet Machines Having an Odd Number of Stator Slots. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1954-1963	5.4	10
676	Analysis of coil pitch in induction machines for electric vehicle applications. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 2525-2536	1.8	3
675	Hybrid virtual impedance-based control strategy for DFIG in hybrid wind farm to disperse negative sequence current during network unbalance. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 2268-2277	2.9	1
674	Electromagnetic Performance Comparison Between 12-Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1408-1422	4.3	13
673	Current Harmonics Suppression Strategy for PMSM With Nonsinusoidal Back-EMF Based on Adaptive Linear Neuron Method. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9164-9173	8.9	30
672	Novel Current Profile of Switched Reluctance Machines for Torque Density Enhancement in Low-Speed Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9623-9634	8.9	6
671	System-Level Investigation of Multi-MW Direct-Drive Wind Power PM Vernier Generators. <i>IEEE Access</i> , <b>2020</b> , 8, 191433-191446	3.5	10
670	Safety Operation Area of Zero-Crossing Detection-Based Sensorless High-Speed BLDC Motor Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6456-6466	4.3	4
669	48 V Starter-Generator Induction Machine With Pole-Changing Windings. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6324-6337	4.3	2
668	A Review on Transverse Flux Permanent Magnet Machines for Wind Power Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 216543-216565	3.5	5
667	Effect of Airgap Length on Electromagnetic Performance of Surface Mounted Permanent Magnet Vernier Machine <b>2020</b> ,		2
666	Comparison of 6-slot/2-pole High-Speed Permanent Magnet Motors with Different Winding Configurations <b>2020</b> ,		1
665	Relationship Between Homopolar Inductor Machine and Wound-Field Synchronous Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 919-930	8.9	10
664	Design and Analysis of Novel Asymmetric-Stator-Pole Flux Reversal PM Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 101-114	8.9	26
663	Analysis and Reduction of On-Load DC Winding Induced Voltage in Wound Field Switched Flux Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2655-2666	8.9	19
662	Analysis of Consequent-Pole Flux Reversal Permanent Magnet Machine With Biased Flux Modulation Theory. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2107-2121	8.9	29
661	A Novel Hybrid-Magnetic-Circuit Variable Flux Memory Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5258-5268	8.9	34
660	Comparative Analysis of Flux Reversal Permanent Magnet Machines With Toroidal and Concentrated Windings. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5278-5290	8.9	9

659	Adaptive Threshold Correction Strategy for Sensorless High-Speed Brushless DC Drives Considering Zero-Crossing-Point Deviation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5246-5257	8.9	5
658	A Novel Rotor Initial Position Detection Method Utilizing DC-link Voltage Sensor <b>2019</b> ,		1
657	Simple Mechanical Rotor Position Estimation Method Based on Rotor Eccentricity <b>2019</b> ,		2
656	A Novel Variable Flux Dual-Layer Hybrid Magnet Memory Machine with Bypass Airspace Barriers <b>2019</b> ,		3
655	A Novel Stator Spoke-Type Hybrid Magnet Memory Machine <b>2019</b> ,		1
654	A Novel Parallel Hybrid Excited Machine With Enhanced Flux Regulation Capability. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1938-1949	5.4	12
653	A Novel Hybrid-Pole Interior PM Machine with Magnet-Axis-Shifting Effect <b>2019</b> ,		12
652	Stator/Rotor Pole Combinations of Variable Flux Reluctance Machines with 2nd Harmonic Current Injection Method <b>2019</b> ,		4
651	Analysis and Suppression of Induced Voltage Pulsation in DC Winding of Five-Phase Wound-Field Switched Flux Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1890-1905	5.4	11
650	Improved Duty-Ratio-Based Direct Torque Control for Dual Three-Phase Permanent Magnet Synchronous Machine Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5843-5853	4.3	11
649	<b>2019</b> ,		6
648	Reduction of Open-Circuit DC Winding Induced Voltage in Hybrid-Excited Switched -Flux Permanent Magnet Machine <b>2019</b> ,		2
647	Comparison of optimal slot/pole number combinations in fractional slot permanent magnet synchronous machines having similar slot and pole numbers. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4585-4589	8.7	4
646	Analysis of power factor in variable flux reluctance machines with MMF-permeance model. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 614-624	1.8	0
645	Novel Modular Fractional Slot Permanent Magnet Machines With Redundant Teeth. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-10	2	10
644	A Comparative Study on Nine- and Twelve-Phase Flux-Switching Permanent-Magnet Wind Power Generators. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3607-3616	4.3	11
643	On-Load Field Prediction of Surface-Mounted PM Machines Considering Nonlinearity Based on Hybrid Field Model. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-11	2	18
642	Investigation on Contribution of Inductance Harmonics to Torque Production in Multiphase Doubly Salient Synchronous Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-10	2	2

641	Comparative Study on Variable Flux Memory Machines With Parallel or Series Hybrid Magnets. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1408-1419	4-3	24
640	Comparison of End Effect in Series and Parallel Hybrid Permanent-Magnet Variable-Flux Memory Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 2529-2537	4-3	5
639	Influence of Design Parameters on On-Load Demagnetization Characteristics of Switched Flux Hybrid Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-5	2	3
638	Optimal split ratio in small high speed PM machines considering both stator and rotor loss limitations. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2019</b> , 3, 3-11	2-3	9
637	A Novel Modular Stator Hybrid-Excited Doubly Salient Synchronous Machine With Stator Slot Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-9	2	9
636	Comparative Study of Modular Dual 3-Phase Permanent Magnet Machines With Overlapping/Non-overlapping Windings. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3566-3576	4-3	9
635	Influence of Stator and Rotor Pole Number Combinations on the Electromagnetic Performance of Stator Slot-Opening PM Hybrid-Excited Machine. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-10	2	6
634	Comparative Study of Partitioned Stator Memory Machines With Series and Parallel Hybrid PM Configurations. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-8	2	9
633	Reduction of Open-Circuit DC-Winding-Induced Voltage in Wound Field Switched Flux Machines by Skewing. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1715-1726	8-9	25
632	Optimal Number of Magnet Pieces of Flux Reversal Permanent Magnet Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 889-898	5-4	10
631	Comparative Studies of Fractional/Integer-Slot Consequent Pole Permanent Magnet Machines <b>2019</b> ,		3
630	Investigation of stator slot/rotor pole combination of flux reversal permanent magnet machine with consequent-pole PM structure. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4267-4272	0-7	5
629	Optimal Number of Flux Modulation Pole in Vernier Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5747-5757	4-3	10
628	Torque Performance Improvement of Doubly Salient Synchronous Reluctance Machines by Current Harmonic Injection <b>2019</b> ,		1
627	Safety Operation Area of Zero-Crossing Detection based Sensorless High Speed BLDC Motor Drives <b>2019</b> ,		3
626	Novel partitioned stator hybrid excited machines with magnets on slot openings. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 3568-3572	0-7	4
625	Design and Simulation of a Brushless Self-Excited Air-Core Compensated Pulsed Alternator. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 2979-2986	1-3	2
624	Uncontrolled Generator Fault Protection of Novel Hybrid-Excited Doubly Salient Synchronous Machines With Field Excitation Current Control. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3598-3606	4-3	18

623	Utilisation of grain-oriented electrical steel in permanent magnet fractional-slot modular machines. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 3682-3686	0.7	3
622	Effect of tooth tips on the electromagnetic performance of PM fractional-slot modular machines using grain-oriented electrical steel. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4386-4390	0.7	
621	Influence of static and dynamic rotor/stator misalignments in axial flux magnetically geared machines. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 3991-3996	0.7	0
620	Influence of stator and rotor geometric parameters on rotor bar current waveform and performance of IMs. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 3649-3654	0.7	1
619	Comparison of Flux-Weakening Control Strategies of Novel Hybrid-Excited Doubly Salient Synchronous Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3589-3597	4.3	5
618	On-load demagnetization effect of high-coercive-force PMs in switched flux hybrid magnet memory machine. <i>AIP Advances</i> , <b>2019</b> , 9, 125152	1.5	1
617	Performance comparison between consequent-pole and inset modular permanent magnet machines. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 3951-3955	0.7	13
616	Losses in Different Doubly Salient Synchronous Reluctance Machines with Current Harmonic Injection <b>2019</b> ,		1
615	Compensation of Current Harmonics for Switching-Table-Based Direct Torque Control of Dual Three-Phase PMSM Drive <b>2019</b> ,		2
614	Hybrid excited permanent magnet machines for electric and hybrid electric vehicles. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2019</b> , 3, 233-247	2.3	28
613	Analysis of Novel Hybrid-Magnet-Circuit Variable Flux Memory Machines with Different Magnet Arrangements <b>2019</b> ,		1
612	Influence of Demagnetization on Selecting the Optimum Slot/Pole Number Combination for 3MW Surface Mounted Permanent Magnet Vernier Machine <b>2019</b> ,		4
611	Comparative Analysis of Novel Fractional Slot Non-overlapping Winding Hybrid Excited Machines Having Different Consequent Pole Rotor Topologies <b>2019</b> ,		2
610	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine <b>2019</b> ,		2
609	Interactions of Capacitor Voltage Ripple with the Closed Loop Controllers in Low-Capacitance Modular Multilevel Converters <b>2019</b> ,		1
608	An Advanced Harmonic Compensation Strategy for Dual Three-Phase Permanent Magnet Synchronous Machines Considering Different Angle Displacements <b>2019</b> ,		2
607	48V Starter-Generator Induction Machine with Pole Changing Windings <b>2019</b> ,		3
606	Analysis of Novel Consequent Pole Flux Reversal Permanent Magnet Machine <b>2019</b> ,		4

605	Combined Lumped-Parameter and Simplified 2-D Analytical Thermal Model of Totally Enclosed Water Cooled PM Machine <b>2019</b> ,		2
604	Influence of Critical Parameters in Lumped-Parameter Thermal Models for Electrical Machines <b>2019</b> ,		1
603	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4273-4285	8.9	13
602	Comparative Studies of Torque Performance Improvement for Different Doubly Salient Synchronous Reluctance Machines by Current Harmonic Injection. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1094-1104	5.4	17
601	Investigation of Torque Production and Torque Ripple Reduction for Six-Stator/Seven-Rotor-Pole Variable Flux Reluctance Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 2510-2518	4.3	10
600	Influence of Gear Ratio on the Performance of Fractional Slot Concentrated Winding Permanent Magnet Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7593-7602	8.9	13
599	Magnet Eddy Current Loss Reduction in Permanent Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1309-1320	4.3	7
598	Combined Multiphysics Model of Switched Flux PM Machines Under Fault Operations. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 6737-6745	8.9	15
597	Split ratio optimisation of high-speed permanent magnet brushless machines considering mechanical constraints. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 81-90	1.8	10
596	Coordinated Elimination Strategy of Low Order Output Current Distortion for LC-Filtered DFIG System Based on Hybrid Virtual Impedance Method. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 7502-7520	7.2	4
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594	Study of Operation Principle of a Novel Brushless Self-Excited Air-Core Compensated Pulsed Alternator. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 2362-2368	1.3	4
593	Influence of Adjacent Teeth Magnet Polarities on the Performance of Flux Reversal Permanent Magnet Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 354-365	4.3	18
592	. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1135-1145	5.4	11
591	Comparative Analysis of Variable Flux Reluctance Machines With Double- and Single-Layer Concentrated Armature Windings. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1505-1515	4.3	4
590	Analysis of Stator/Rotor Pole Combinations in Variable Flux Reluctance Machines Using Magnetic Gearing Effect. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1495-1504	4.3	4
589	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2129-2140	4.3	4
588	Novel Modular Switched Reluctance Machines for Performance Improvement. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 1255-1265	5.4	11

587	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 1302-1311	4.3	13
586	Modularity techniques in high performance permanent magnet machines and applications. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2018</b> , 2, 93-103	2.3	13
585	A New Iron Loss Model for Temperature Dependencies of Hysteresis and Eddy Current Losses in Electrical Machines. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-10	2	11
584	Flexible unbalance compensation strategy for doubly fed induction generator based on a novel indirect virtual impedance method. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 28-36	2.9	1
583	Torque Improvement in Five-Phase Unequal Tooth SPM Machine by Injecting Third Harmonic Current. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 206-215	6.8	24
582	Investigation on synchronous reluctance machines with different rotor topologies and winding configurations. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 45-53	1.8	16
581	Synthesis of Hybrid Magnet Memory Machines Having Separate Stators for Traction Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 183-195	6.8	15
580	Analysis of Air-Gap Field Modulation and Magnetic Gearing Effect in Fractional-Slot Concentrated-Winding Permanent-Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 3688-3698	8.9	91
579	Mitigation of Unbalanced Magnetic Force in a PM Machine With Asymmetric Winding by Inserting Auxiliary Slots. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4133-4146	4.3	12
578	Analysis of parasitic effects in carrier signal injection methods for sensorless control of PM synchronous machines. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 203-212	1.8	10
577	Comparative Study of Hybrid PM Memory Machines Having Single- and Dual-Stator Configurations. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 9168-9178	8.9	24
576	Influence of PM Coating on PM Magnetization State Estimation Methods Based on Magnetoresistive Effect. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2141-2150	4.3	6
575	Overview of novel magnetically geared machines with partitioned stators. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 595-604	1.8	34
574	A variable-mode stator consequent pole memory machine. <i>AIP Advances</i> , <b>2018</b> , 8, 056612	1.5	5
573	Influence of magnet eddy current on magnetization characteristics of variable flux memory machine. <i>AIP Advances</i> , <b>2018</b> , 8, 056602	1.5	2
572	Thrust Ripple Analysis on Toroidal-Winding Linear Permanent Magnet Vernier Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 9853-9862	8.9	22
571	Influence of Stator Topologies on Average Torque and Torque Ripple of Fractional-Slot SPM Machines With Fully Closed Slots. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2151-2164	4.3	12
570	Design and Analysis of a Five-Phase SPM Machine Considering Third Harmonic Current Injection. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 1108-1117	5.4	31

569	A Sliding-Mode Direct Power Control Strategy for DFIG Under Both Balanced and Unbalanced Grid Conditions Using Extended Active Power. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 1313-1322	7.2	56
568	Cascaded Direct Torque Control of Unbalanced PMSM With Low Torque and Flux Ripples. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 1740-1749	7.2	15
567	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 556-568	11.9	60
566	A High-Power Factor Vernier Machine With Coil Pitch of Two Slot Pitches. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	26
565	Analysis of Flux-Reversal Permanent-Magnet Machines With Different Consequent-Pole PM Topologies. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	15
564	Thermal-Loss Coupling Analysis of an Electrical Machine Using the Improved Temperature-Dependent Iron Loss Model. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	2
563	A Novel Dual-Sided PM Variable Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	4
562	Quantitative Analysis of Contribution of Air-Gap Field Harmonics to Torque Production in Three-Phase 12-Slot/8-Pole Doubly Salient Synchronous Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-11	2	5
561	Flexible Compensation Strategy for Voltage Source Converter Under Unbalanced and Harmonic Condition Based on a Hybrid Virtual Impedance Method. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 7656-7673	7.2	20
560	Rotor Shaping Method for Torque Ripple Mitigation in Variable Flux Reluctance Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 1579-1589	5.4	8
559	A Hybrid Field Model for Open-Circuit Field Prediction in Surface-Mounted PM Machines Considering Saturation. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-12	2	27
558	A Novel Axial Flux Magnetically Geared Machine for Power Split Application. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5954-5966	4.3	5
557	Influence of Magnetic Saturation and Rotor Eccentricity on Back EMF of Novel Hybrid-Excited Stator Slot Opening Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	7
556	Novel Dual-Stator Machines With Biased Permanent Magnet Excitation. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 2070-2080	5.4	11
555	Recent developments and comparative study of magnetically geared machines. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2018</b> , 2, 13-22	2.3	11
554	Comparative Study of Air-Gap Field Modulation in Flux Reversal and Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-6	2	22
553	Investigation of Optimal Split Ratio for High-Speed Permanent-Magnet Brushless Machines. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	8
552	Influence of DC Winding Configuration on Its Induced Voltage in Wound Field Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 1825-1836	5.4	11

551	Comparison of Frequency and Time Domain Based Current Profiling Techniques for Acoustic Noise Reduction in Switched Reluctance Machine <b>2018</b> ,		1
550	Uncontrolled Generator Fault Protection of Novel Hybrid-excited Permanent Magnet Machines Utilizing Field Excitation Current Control <b>2018</b> ,		4
549	Electromagnetic Performance Comparison between 12- Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation <b>2018</b> ,		3
548	Optimal Flux Modulation Pole Number in Vernier Permanent Magnet Synchronous Machines <b>2018</b> ,		3
547	A Novel Dual-Layer PM Variable Flux Hybrid Memory Machine <b>2018</b> ,		8
546	Hybrid Excited Stator Slot PM Machines with Overlapping Windings <b>2018</b> ,		3
545	Adaptive Voltage Feedback Controllers on the Non-Salient Permanent Magnet Synchronous Machine <b>2018</b> ,		4
544	Using inverter-based renewable generators to improve the grid power quality A review. <i>Chinese Journal of Electrical Engineering</i> , <b>2018</b> , 4, 16-25	4	5
543	Comparison of Torque Production and Design of Switched Reluctance and Variable Flux Reluctance Machines <b>2018</b> ,		1
542	Comparison of Modular Dual 3-phase PM Machines with Overlapping/Non-overlapping Windings <b>2018</b> ,		1
541	Duty-Ratio-Based Direct Torque Control for Dual Three-Phase Permanent Magnet Synchronous Machine Drives <b>2018</b> ,		1
540	Recent advances in variable flux memory machines for traction applications: A review. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2018</b> , 2, 34-50	2.3	31
539	Comparative analysis of variable flux reluctance machines with double- and single-layer concentrated armature windings <b>2018</b> ,		1
538	Fast design method of variable flux reluctance machines. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2018</b> , 2, 152-159	2.3	4
537	Direct Stator Current Vector Control Strategy of DFIG Without Phase-Locked Loop During Network Unbalance. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 284-297	7.2	33
536	A Novel Series Power Quality Controller With Reduced Passive Power Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 773-784	8.9	28
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532	Improved Pulsating Signal Injection Using Zero-Sequence Carrier Voltage for Sensorless Control of Dual Three-Phase PMSM. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 436-446	5.4	41
531	Novel Partitioned Stator Hybrid Excited Switched Flux Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 495-504	5.4	46
530	Influence of Rotor-Pole Number on Electromagnetic Performance in 12-Phase Redundant Switched Flux Permanent Magnet Machines for Wind Power Generation. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 3305-3316	4.3	13
529	Optimum Injected Harmonics Into Magnet Shape in Multiphase Surface-Mounted PM Machine for Maximum Output Torque. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4434-4443	8.9	40
528	An Improved Method of DC Bus Voltage Pulsation Suppression for Asymmetric Wind Power PMSG Systems With a Compensation Unit in Parallel. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 1231-1239	5.4	9
527	Analysis of On-Load Magnetization Characteristics in a Novel Partitioned Stator Hybrid Magnet Memory Machine. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	8
526	Investigation on Phase Shift Between Multiple Multiphase Windings in Flux-Switching Permanent Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 1958-1970	4.3	11
525	Investigation of irreversible demagnetisation in switched flux permanent magnet machines under short-circuit conditions. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 595-602	1.8	9
524	Improved position offset based parameter determination of permanent magnet synchronous machines under different load conditions. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 603-612	1.8	8
523	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4483-4492	4.3	79
522	Iron Loss Model for Electrical Machine Fed by Low Switching Frequency Inverter. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	19
521	Analysis of Torque Production in Variable Flux Reluctance Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 1297-1308	5.4	40
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518	Flexible PCC Voltage Unbalance Compensation Strategy for Autonomous Operation of Parallel DFIGs. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4807-4820	4.3	15
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516	Design Synthesis of Switched Flux Hybrid-Permanent Magnet Memory Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 65-79	5.4	32

515	Influence of Pole Number and Stator Outer Diameter on Volume, Weight, and Cost of Superconducting Generators With Iron-Cored Rotor Topology for Wind Turbines. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-9	1.8	10
514	A novel axial flux magnetically geared machine for power split application <b>2017</b> ,		5
513	Analysis and Reduction of Unipolar Leakage Flux in Series Hybrid Permanent-Magnet Variable Flux Memory Machines. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	35
512	Torque Capability Enhancement of Dual Three-Phase PMSM Drive With Fifth and Seventh Current Harmonics Injection. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4526-4535	4.3	45
511	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4396-4405	4.3	41
510	Optimal design of a novel axial flux magnetically geared PM machine <b>2017</b> ,		2
509	Analysis and Suppression of Zero Sequence Circulating Current in Open Winding PMSM Drives With Common DC Bus. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 3609-3620	4.3	55
508	Power Electronic Transformer-Based Railway Traction Systems: Challenges and Opportunities. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2017</b> , 5, 1237-1253	5.6	93
507	Integrated Field and Armature Current Control for Dual Three-Phase Variable Flux Reluctance Machine Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 447-457	5.4	34
506	Contribution of Current Harmonics to Average Torque and Torque Ripple in Switched Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-9	2	36
505	Influence of stator slot and pole number combination on rotor bar current waveform and performance of induction machines <b>2017</b> ,		8
504	Novel reluctance axis shifted machines with hybrid rotors <b>2017</b> ,		10
503	Magnet eddy current loss reduction in a 3-slot 2-pole permanent magnet machine <b>2017</b> ,		5
502	. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2017</b> , 1, 154-163	2.3	3
501	Influence of stator/rotor-pole combination on electromagnetic performance in all/alternate poles wound partitioned stator doubly salient permanent magnet machines. <i>Journal of Engineering</i> , <b>2017</b> , 2017, 237-245	0.7	0
500	Rotor position estimation for single- and dual-three-phase permanent magnet synchronous machines based on third harmonic back-EMF under imbalanced situation. <i>Chinese Journal of Electrical Engineering</i> , <b>2017</b> , 3, 63-72	4	6
499	Quantitative comparison of electromagnetic performance of electrical machines for HEVs/EVs. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2017</b> , 1, 37-47	2.3	48
498	Unbalanced magnetic force prediction in permanent magnet machines with rotor eccentricity by improved superposition method. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 1095-1104	1.8	21

497	Iron Loss Model Under DC Bias Flux Density Considering Temperature Influence. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	23
496	Comparison of Electromagnetic Performance of 10-MW Superconducting Generators With Different Topologies for Offshore Direct-Drive Wind Turbines. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2017</b> , 27, 1-11	1.8	13
495	Effect of magnet thickness on electromagnetic performance of high speed permanent magnet machines <b>2017</b> ,		4
494	Design guidelines for fractional slot multi-phase modular permanent magnet machines. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 1023-1031	1.8	14
493	Carrier signal injection-based sensorless control for permanent magnet synchronous machine drives with tolerance of signal processing delays. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 1140-1149	1.8	14
492	Compensation of unbalanced impedance of asymmetric wind power PMSG compensated by external circuits in series. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2017</b> , 1, 180-188	2.3	4
491	Nonparametric Sensorless Drive Method for Open-Winding PMSM Based on Zero-Sequence Back EMF With Circulating Current Suppression. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 3808-3817	7.2	26
490	Comparative Study of Fault-Tolerant Switched-Flux Permanent-Magnet Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 1939-1948	8.9	17
489	Fast Determination of Moment of Inertia of Permanent Magnet Synchronous Machine Drives for Design of Speed Loop Regulator. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1816-1824	4.8	33
488	Optimal Step-Skew Methods for Cogging Torque Reduction Accounting for Three-Dimensional Effect of Interior Permanent Magnet Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 222-232	5.4	45
487	Novel Dual-Phase-Shift Control With Bidirectional Inner Phase Shifts for a Dual-Active-Bridge Converter Having Low Surge Current and Stable Power Control. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 4095-4106	7.2	63
486	Influence of PM- and Armature Winding-Stator Positions on Electromagnetic Performance of Novel Partitioned Stator Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-12	2	8
485	A Novel Flux-Switching Permanent Magnet Machine With Overlapping Windings. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 172-183	5.4	32
484	Evaluation of iron loss models in electrical machines <b>2017</b> ,		4
483	Comparative study of magnetic gearing effect in integral slot, fractional slot winding and vernier PM machines <b>2017</b> ,		4
482	Analysis of stator/rotor pole combinations in variable flux reluctance machines using magnetic gearing effect <b>2017</b> ,		7
481	Influence of rotor slot number on rotor bar current waveform and performance in induction machines <b>2017</b> ,		8
480	Influence of magnet arrangement on performance of flux reversal permanent magnet machine <b>2017</b> ,		7

479	Influence of gear ratio on electromagnetic performance and geometries of vernier permanent magnet synchronous machines <b>2017</b> ,		2
478	<b>2017</b> ,		3
477	Comparative study of variable flux memory machines with parallel and series hybrid magnets <b>2017</b> ,		11
476	Modified PWM-Based Deadbeat Direct Torque Control for Dual Three-Phase Permanent Magnet Synchronous Machine Drive <b>2017</b> ,		1
475	A novel flux-reversal hybrid magnet memory machine <b>2017</b> ,		4
474	Comparative study of double-sided toroidal-winding linear PM vernier machines with different secondary configurations <b>2017</b> ,		3
473	Experimental investigation of a partitioned stator flux reversal permanent magnet linear machine <b>2017</b> ,		2
472	Comparative study of two permanent magnet linear machines <b>2017</b> ,		2
471	Electromagnetic performance comparison of 18-slot/26-pole and 18-slot/10-pole fractional slot permanent magnet surface-mounted machines <b>2017</b> ,		2
470	Magnetic gearing effect in vernier permanent magnet synchronous machines <b>2017</b> ,		10
469	Design considerations for high-power converters interfacing 10 MW superconducting wind power generators. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1461-1467	2.2	3
468	Comparative Study of Partitioned Stator Machines With Different PM Excitation Stators. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 199-208	4.3	32
467	Cogging Torque Mitigation of Modular Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	21
466	Comparative Study of Novel Tubular Partitioned Stator Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-7	2	13
465	Improved Sensorless Control of Switched-Flux Permanent-Magnet Synchronous Machines Based on Different Winding Configurations. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 123-132	8.9	18
464	Coordinated Direct Power Control of DFIG System Without Phase-Locked Loop Under Unbalanced Grid Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 2905-2918	7.2	71
463	Comparative study of biased flux permanent magnet machines with doubly salient permanent magnet machines considering with influence of flux focusing. <i>Electric Power Systems Research</i> , <b>2016</b> , 141, 281-289	3.5	4
462	Investigation of non-sinusoidal rotor bar current phenomenon in induction machines [Influence of slip and electric loading <b>2016</b> ,		8

461	Influence of slot opening and flux gaps on the voltage distortion in SPM machines <b>2016</b> ,		2
460	Novel Square-Wave Signal Injection Method Using Zero-Sequence Voltage for Sensorless Control of PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7444-7454	8.9	50
459	Influence of magnetic saturation on rotor bar current waveform and performance in induction machines <b>2016</b> ,		9
458	On-load performance of fractional slot SPM machines considering tooth-tip local magnetic saturation <b>2016</b> ,		1
457	Influence of rotor-pole number on electromagnetic performance in twelve-phase redundant SFPM machines for wind power generation <b>2016</b> ,		1
456	Influence of Conduction Angles on Single-Layer Switched Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-11	2	6
455	Torque capability enhancement of dual three-phase PMSM drive with fifth and seventh current harmonics injection <b>2016</b> ,		4
454	Comparison of two-individual current control and vector space decomposition control for dual three-phase PMSM <b>2016</b> ,		5
453	Influence of local magnetic saturation on iron losses in interior permanent magnet machines <b>2016</b> ,		1
452	Flux-Concentrated External-Rotor Switched Flux Memory Machines for Direct-Drive Applications. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2016</b> , 26, 1-6	1.8	6
451	Flux adjustable permanent magnet machines: A technology status review. <i>Chinese Journal of Electrical Engineering</i> , <b>2016</b> , 2, 14-30	4	25
450	A novel stator-consequent-pole memory machine <b>2016</b> ,		3
449	Torque investigation of fractional-slot permanent magnet machines with different winding topology and stator structures <b>2016</b> ,		1
448	Effectiveness of Terminal Voltage Distortion Minimization Methods in Fractional Slot Surface-Mounted Permanent Magnet Machines Considering Local Magnetic Saturation. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 1090-1099	5.4	3
447	Comparative study of voltage distortion in fractional-slot PM machines having different winding and stator configurations <b>2016</b> ,		1
446	Carrier Signal Injection-Based Sensorless Control of Permanent Magnet Synchronous Machines Without the Need of Magnetic Polarity Identification. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3916-3926	4.3	7
445	Comparison between induction machine and interior permanent magnet machine for electric vehicle application. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 572-585	0.7	5
444	Comparative study of synchronous machines having permanent magnets in stator. <i>Electric Power Systems Research</i> , <b>2016</b> , 133, 304-312	3.5	5

443	A Novel Partitioned Stator Flux Reversal Permanent Magnet Linear Machine. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-6	2	39
442	Analytical sub-domain model for predicting open-circuit field of permanent magnet vernier machine accounting for tooth tips. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 624-640	0.7	7
441	Flux-Weakening Control Performance of Partitioned Stator-Switched Flux PM Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2350-2359	4.3	17
440	Comparative Study of Torque Production in Conventional and Mutually Coupled SRMs Using Frozen Permeability. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-9	2	17
439	Analytical On-Load Subdomain Field Model of Permanent-Magnet Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 4105-4117	8.9	83
438	Electromagnetic performance of switched flux PM machines with two separate stators. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 376-395	0.7	3
437	Sub-domain analytical model for armature reaction field of permanent magnet vernier machine. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 821-831	0.7	
436	A Variable-Flux Hybrid-PM Switched-Flux Memory Machine for EV/HEV Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2203-2214	4.3	44
435	Hybrid-Excited Stator Slot Permanent Magnet Machines Influence of Stator and Rotor Pole Combinations. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	16
434	Comparative Analysis of End Effect in Partitioned Stator Flux Reversal Machines Having Surface-Mounted and Consequent Pole Permanent Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	27
433	Novel Hybrid-Excited Switched-Flux Machine Having Separate Field Winding Stator. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	24
432	Performance Improvement of Partitioned Stator Switched Flux Memory Machines With Triple-Magnet Configuration. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	6
431	Electromagnetic Performance of Stator Slot Permanent Magnet Machines With/Without Stator Tooth-Tips and Having Single/Double Layer Windings. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	13
430	Superposition Method for Cogging Torque Prediction in Permanent Magnet Machines With Rotor Eccentricity. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	18
429	Influence of end-effect on torque-speed characteristics of various switched flux permanent magnet machine topologies. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 525-539	0.7	2
428	Novel switched flux machine with radial and circumferential permanent magnets. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 473-492	0.7	1
427	Design of external rotor switched flux memory machine with hybrid magnets. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 507-524	0.7	1
426	Influence of back-EMF and current harmonics on sensorless control performance of single and dual three-phase permanent magnet synchronous machines. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2016</b> , 35, 744-763	0.7	3

425	. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 283-292	5.4	30
424	Voltage Imbalance Compensation for Doubly Fed Induction Generator Using Direct Resonant Feedback Regulator. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 614-626	5.4	20
423	Carrier Signal Injection-Based Sensorless Control for Permanent-Magnet Synchronous Machine Drives Considering Machine Parameter Asymmetry. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 2813-2824	8.9	31
422	Comparison of Partitioned Stator Switched Flux Permanent Magnet Machines Having Single- or Double-Layer Windings. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-10	2	16
421	Hybrid-Excited Switched-Flux Hybrid Magnet Memory Machines. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-15	2	24
420	A Novel Variable Reactor and Its Application to Shunt Power Quality Controller. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 4148-4158	7.2	8
419	Influence of Rotor Pole Number on Electromagnetic Performance of Double-Stator Switched Flux PM Machines <b>2016</b> ,		3
418	A Dual-Consequent-Pole Vernier Memory Machine. <i>Energies</i> , <b>2016</b> , 9, 134	3.1	17
417	High-performance partitioned-stator switched flux memory machines with hybrid magnets on external stator for traction applications <b>2016</b> ,		3
416	Operating-envelop-expandable control strategy for switched flux hybrid magnet memory machine <b>2016</b> ,		1
415	Novel High-Performance Switched Flux Hybrid Magnet Memory Machines With Reduced Rare-Earth Magnets. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3901-3915	4.3	22
414	A Novel Zero-Sequence Model-Based Sensorless Method for Open-Winding PMSM With Common DC Bus. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6777-6789	8.9	38
413	Nonintrusive online rotor permanent magnet temperature tracking for permanent magnet synchronous machine based on third harmonic voltage <b>2016</b> ,		1
412	Torque Improvement Utilizing Third Harmonic Current in Five-Phase PM Machines with Unequal Tooth <b>2016</b> ,		2
411	A novel variable flux memory machine with series hybrid magnets <b>2016</b> ,		9
410	A Spoke-Type IPM Machine With Novel Alternate Airspace Barriers and Reduction of Unipolar Leakage Flux by Step-Staggered Rotor. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4789-4797	4.3	54
409	Analysis and suppression of zero sequence circulating current in open winding PMSM drives with common DC bus <b>2016</b> ,		4
408	Influence of manufacturing tolerances on cogging torque in interior permanent magnet machines with eccentric and sinusoidal rotor contours <b>2016</b> ,		4

407	Sensitivity of manufacturing tolerances on cogging torque in interior permanent magnet machines with different slot/pole number <b>2016</b> ,		3
406	Determination of Electrical Parameters of PMSM Drive System at Standstill <b>2016</b> ,		4
405	Influence of Magnet Height on Unbalanced Magnetic Force of Surface-Mounted Permanent Magnet Machines <b>2016</b> ,		1
404	Comparative Study of High Performance Double-Stator Switched Flux Permanent Magnet Machines <b>2016</b> ,		4
403	Comparative Study of Vernier and Interior PM Machines for Automotive Application <b>2016</b> ,		7
402	Iron Loss in Surface-Mounted PM Machines Considering Tooth-Tip Local Magnetic Saturation <b>2016</b> ,		3
401	On-Load Performance in IPM Machines Having Different Slot/Pole Number Combinations Considering Local Magnetic Saturation <b>2016</b> ,		2
400	Reduction of On-Load Terminal Voltage Distortion in Fractional Slot Interior Permanent Magnet Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 1161-1169	5-4	8
399	Performance Comparison of Doubly Salient Reluctance Machine Topologies Supplied by Sinewave Currents. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 4086-4096	8.9	29
398	Experimental validation of an enhanced permeance network model for embedded magnet synchronous machines. <i>Electric Power Systems Research</i> , <b>2016</b> , 140, 836-845	3-5	7
397	Permanent-Magnet Magnetization State Estimation Using High-Frequency Signal Injection. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2930-2940	4-3	20
396	Novel Parallel Hybrid Excited Machines With Separate Stators. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 1212-1220	5-4	41
395	Novel Consequent-Pole Hybrid Excited Machine With Separated Excitation Stator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 1-1	8.9	71
394	Iron loss calculation considering temperature influence in non-oriented steel laminations. <i>IET Science, Measurement and Technology</i> , <b>2016</b> , 10, 846-854	1.5	20
393	Analysis of Magnetic Gearing Effect in Partitioned Stator Switched Flux PM Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2016</b> , 31, 1239-1249	5-4	35
392	Novel Electrical Machines Having Separate PM Excitation Stator. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-9	2	11
391	A Winding-Switching Concept for Flux Weakening in Consequent Magnet Pole Switched Flux Memory Machine. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	6
390	Comparative Study of Novel Variable-Flux Memory Machines Having Stator Permanent Magnet Topologies. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	17



389	Sensorless Operation Capability of Surface-Mounted Permanent-Magnet Machine Based on High-Frequency Signal Injection Methods. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 2161-2174	4.3	42
388	PMSM Magnetization State Estimation Based on Stator-Reflected PM Resistance Using High-Frequency Signal Injection. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 3800-3810	4.3	38
387	Comparative study of short-pitched and fully-pitched SRMs supplied by sine wave currents <b>2015</b> ,		4
386	. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-9	2	59
385	Design Tradeoff Between Cogging Torque and Torque Ripple in Fractional Slot Surface-Mounted Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	25
384	Comparative study of the electromagnetic performance of switched flux permanent magnet machines. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 297-306	1.8	18
383	On-Load Voltage Distortion in Fractional Slot Surface-Mounted Permanent Magnet Machines Considering Local Magnetic Saturation. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-10	2	17
382	Independent Operation of DFIG-Based WECS Using Resonant Feedback Compensators Under Unbalanced Grid Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 3650-3661	7.2	42
381	Position-Offset-Based Parameter Estimation Using the Adaline NN for Condition Monitoring of Permanent-Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 2372-2383	8.9	54
380	Reduction of Both Harmonic Current and Torque Ripple for Dual Three-Phase Permanent-Magnet Synchronous Machine Using Modified Switching-Table-Based Direct Torque Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6671-6683	8.9	133
379	Direct power control of doubly fed induction generator without phase-locked loop in synchronous reference frame during frequency variations. <i>IET Renewable Power Generation</i> , <b>2015</b> , 9, 576-586	2.9	16
378	A novel partitioned stator flux reversal permanent magnet linear machine <b>2015</b> ,		5
377	Comparative study of alternative modular switched flux permanent magnet machines <b>2015</b> ,		2
376	Torque Improvement of Dual Three-Phase Permanent-Magnet Machine With Third-Harmonic Current Injection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6833-6844	8.9	44
375	Analytical Modeling of Modular and Unequal Tooth Width Surface-Mounted Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-9	2	14
374	Electromagnetic Performance of Nonoverlapping Stator Wound Field Synchronous Machine With Salient Pole Rotor. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	5
373	Analytical Synthesis of Air-Gap Field Distribution in Permanent Magnet Machines With Rotor Eccentricity by Superposition Method. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	16
372	On-Load Voltage Distortion in Fractional-Slot Interior Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-9	2	17

371	Investigation of Nonoverlapping Stator Wound-Field Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2015</b> , 30, 1420-1427	5-4	26
370	. <i>IEEE Transactions on Energy Conversion</i> , <b>2015</b> , 30, 772-783	5-4	49
369	Analysis of Windings in Variable Reluctance Resolver. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-10	2	42
368	A Novel Integrated Power Quality Controller for Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 2848-2858	8.9	22
367	Position Offset-Based Parameter Estimation for Permanent Magnet Synchronous Machines Under Variable Speed Control. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 3438-3446	7.2	43
366	Flux-weakening control performance of partitioned stator switched flux PM machines <b>2015</b> ,		1
365	On-load voltage distortion compensation method using disturbance observer for SPM machines with closed slot. <i>Chinese Journal of Electrical Engineering</i> , <b>2015</b> , 1, 58-69	4	1
364	Comparative analysis of parasitic losses in partitioned stator switched flux PM machines with double- and single-layer windings <b>2015</b> ,		1
363	Novel Doubly Salient Permanent Magnet Machines With Partitioned Stator and Iron Pieces Rotor. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-12	2	39
362	Investigation on Operational Envelops and Efficiency Maps of Electrically Excited Machines for Electrical Vehicle Applications. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-10	2	50
361	Improved Rotor Position Estimation in Sensorless-Controlled Permanent-Magnet Synchronous Machines Having Asymmetric-EMF With Harmonic Compensation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6131-6139	8.9	15
360	Modeling and Investigation of Thermal Characteristics of a Water-Cooled Permanent-Magnet Linear Motor. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 2086-2096	4.3	57
359	Comparison of partitioned stator machines with different PM excitation stator topologies <b>2015</b> ,		2
358	Influence of machine design parameters on flux-weakening performance of induction machine for electrical vehicle application. <i>IET Electrical Systems in Transportation</i> , <b>2015</b> , 5, 43-52	2.1	9
357	Novel Stator Electrically Field Excited Synchronous Machines Without Rare-Earth Magnet. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-9	2	23
356	Integrated Field and Armature Current Control Strategy for Variable Flux Reluctance Machine Using Open Winding. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 1-1	4.3	11
355	Influence of on-load voltage distortion on torque-speed characteristic of interior permanent magnet machines <b>2015</b> ,		6
354	. <i>IEEE Transactions on Energy Conversion</i> , <b>2015</b> , 30, 1472-1482	5.4	71

353	Control strategy for hybrid-excited switched-flux permanent magnet machines. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 612-619	1.8	19
352	Comparison of carrier signal injection methods for sensorless control of PMSM drives <b>2015</b> ,		8
351	Novel Carrier Signal Injection Method Using Zero-Sequence Voltage for Sensorless Control of PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 1-1	8.9	43
350	Performance comparison of partitioned stator machines with NdFeB and ferrite magnets <b>2015</b> ,		2
349	Analytical determination of 3rd order harmonic current into five phase PM machine for maximum torque <b>2015</b> ,		6
348	Comparison of electromagnetic performance of switched flux permanent magnet machines with mechanical flux adjusters. <i>IET Electrical Systems in Transportation</i> , <b>2015</b> , 5, 175-184	2.1	8
347	Performance investigation of hybrid excited switched flux permanent magnet machines using frozen permeability method. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 586-594	1.8	18
346	Rotor position estimation for dual-three-phase permanent magnet synchronous machine based on third harmonic back-EMF <b>2015</b> ,		9
345	Mechanical Parameter Estimation of Permanent-Magnet Synchronous Machines With Aiding From Estimation of Rotor PM Flux Linkage. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 3115-3125	4.3	43
344	Modified switching-table strategy for reduction of current harmonics in direct torque controlled dual-three-phase permanent magnet synchronous machine drives. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 10-19	1.8	57
343	Analysis of Air-Gap Field Modulation and Magnetic Gearing Effects in Switched Flux Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-12	2	162
342	Analysis of Novel Multi-Tooth Variable Flux Reluctance Machines With Different Stator and Rotor Pole Combinations. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-11	2	9
341	. <i>IEEE Transactions on Energy Conversion</i> , <b>2015</b> , 30, 806-815	5.4	38
340	Quantum Genetic Algorithm-Based Parameter Estimation of PMSM Under Variable Speed Control Accounting for System Identifiability and VSI Nonlinearity. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 2363-2371	8.9	37
339	Novel Partitioned Stator Switched Flux Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-14	2	96
338	Average Torque Improvement of Interior Permanent-Magnet Machine Using Third Harmonic in Rotor Shape. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5047-5057	8.9	63
337	Direct Torque Control of Permanent-Magnet Synchronous Machine Drives With a Simple Duty Ratio Regulator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5249-5258	8.9	112
336	Electromagnetic Performance of Novel Synchronous Machines With Permanent Magnets in Stator Yoke. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-9	2	45

335	Current Control for Dual Three-Phase Permanent Magnet Synchronous Motors Accounting for Current Unbalance and Harmonics. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2014</b> , 2, 272-284	5.6	134
334	Influence of Pole and Slot Number Combinations on Cogging Torque in Permanent-Magnet Machines With Static and Rotating Eccentricities. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3265-3277	4.3	46
333	Improved Sensorless Control of Permanent-Magnet Synchronous Machine Based on Third-Harmonic Back EMF. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 1861-1870	4.3	57
332	Torque Improvement of Five-Phase Surface-Mounted Permanent Magnet Machine Using Third-Order Harmonic. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 735-747	5.4	58
331	Improved torque regulator to reduce steady-state error of torque response for direct torque control of permanent magnet synchronous machine drives. <i>IET Electric Power Applications</i> , <b>2014</b> , 8, 108-116	1.8	16
330	Influence of Flux Gaps on Electromagnetic Performance of Novel Modular PM Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 716-726	5.4	40
329	Synthesis of High Performance Fractional-Slot Permanent-Magnet Machines With Coil-Pitch of Two Slot-Pitches. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 758-770	5.4	38
328	Analytical Modeling of Surface-Mounted PM Machines Accounting for Magnet Shaping and Varied Magnet Property Distribution. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-11	2	30
327	Comparative Studies of Modular and Unequal Tooth PM Machines Either With or Without Tooth Tips. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-10	2	28
326	Torque Enhancement of Surface-Mounted Permanent Magnet Machine Using Third-Order Harmonic. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 104-113	2	69
325	Excitation Winding Short-Circuits in Hybrid Excitation Permanent Magnet Motor. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 567-575	5.4	14
324	Comparison of variable flux reluctance, switched flux and fractional slot PM12-stator slots machines having 10- and 14-rotor poles <b>2014</b> ,		2
323	Comparative study of novel synchronous machines having permanent magnets in stator poles <b>2014</b> ,		9
322	Influence of Stator and Rotor Pole Arcs on Electromagnetic Torque of Variable Flux Reluctance Machines. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	30
321	Comparison between induction machine and interior permanent magnet machine for electric vehicle application <b>2014</b> ,		11
320	Comparison of electrically excited and interior permanent magnet machines for hybrid electric vehicle application <b>2014</b> ,		8
319	Comparison of torque densities in alternate wound-field switched flux machines <b>2014</b> ,		2
318	Analytical modeling of multi-segment and multilayer interior permanent magnet machines <b>2014</b> ,		2

317	Permanent Magnet Machines for Traction Applications <b>2014</b> , 1-20		6
316	Overview of recent advances in innovative electrical machines [With particular reference to magnetically geared switched flux machines <b>2014</b> ,		23
315	Design of synchronous reluctance and permanent magnet synchronous reluctance machines for electric vehicle application <b>2014</b> ,		11
314	Parameter estimation of PMSM for aiding PI regulator design of field oriented control <b>2014</b> ,		8
313	Improved permeance network model for embedded magnet synchronous machines <b>2014</b> ,		4
312	Reduction of Unbalanced Magnetic Force in 2-pole 3-slot Permanent Magnet Machine <b>2014</b> ,		3
311	Novel Sensorless Control Strategy With Injection of High-Frequency Pulsating Carrier Signal Into Stationary Reference Frame. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2574-2583	4-3	98
310	Novel switched-flux hybrid permanent magnet memory machines for EV/HEV applications <b>2014</b> ,		10
309	Calculation of torque-speed characteristic of induction machine for electrical vehicle application using analytical method <b>2014</b> ,		9
308	Flux-Regulatable Characteristics Analysis of a Novel Switched-Flux Surface-Mounted PM Memory Machine. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	18
307	Comparison of Low-Cost Single-Phase Wound-Field Switched-Flux Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3335-3345	4-3	22
306	Efficiency Improvement of Switched Flux PM Memory Machine Over Interior PM Machine for EV/HEV Applications. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	27
305	Stator/Rotor Pole Combinations and Winding Configurations of Variable Flux Reluctance Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3675-3684	4-3	79
304	PMSM magnetization state estimation based on stator-reflected PM resistance using high frequency signal injection <b>2014</b> ,		4
303	Analysis of carrier signal injection based sensorless control of PMSM drives under limited inverter switching frequency condition <b>2014</b> ,		3
302	<b>2014</b> ,		10
301	Rotor position error compensation based on third harmonic back-EMF in flux observer sensorless control <b>2014</b> ,		4
300	Thermal modelling of switched flux permanent magnet machines <b>2014</b> ,		5

299	Novel switched flux machine with radial and circumferential permanent magnets <b>2014,</b>		1
298	Cross Coupling Effect in Hybrid Magnet Memory Motor <b>2014,</b>		24
297	A new control strategy for hybrid-excited switched-flux permanent magnet machines without the requirement of machine parameters <b>2014,</b>		7
296	Novel Flux-Regulatable Dual-Magnet Vernier Memory Machines for Electric Vehicle Propulsion. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2014</b> , 24, 1-5	1.8	3
295	Electromagnetic Performance of an 18-Slot/10-Pole Fractional-Slot Surface-Mounted Permanent-Magnet Machine. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3685-3696	4.3	25
294	Comparison of Wound-Field Switched-Flux Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3314-3324	4.3	47
293	Performance Analysis of Synchronous Reluctance Machines Having Nonoverlapping Concentrated Winding and Sinusoidal Bipolar With DC Bias Excitation. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3346-3356	4.3	13
292	Simplified Analytical Model and Investigation of Open-Circuit AC Winding Loss of Permanent-Magnet Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 4990-4999	8.9	28
291	Mechanical parameter estimation of permanent magnet synchronous machines with aiding from estimation of rotor PM flux linkage <b>2014,</b>		6
290	Performance analysis of switched-flux machines with hybrid NdFeB and ferrite magnets <b>2014,</b>		7
289	Comparative study of novel biased flux permanent magnet machine with doubly salient permanent magnet machine <b>2014,</b>		19
288	Iron Loss Calculation in Permanent Magnet Machines Under Unconventional Operations. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
287	Torque ripple and magnetic forces on teeth in IPM machines. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2014</b> , 33, 1487-1501	0.7	0
286	Online Estimation of the Rotor Flux Linkage and Voltage-Source Inverter Nonlinearity in Permanent Magnet Synchronous Machine Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 418-427	7.2	136
285	Analysis of Eccentricity in Permanent-Magnet Tubular Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 2208-2216	8.9	19
284	Determination of Maximum Electromagnetic Torque in PM Brushless Machines Having Two-Segment Halbach Array. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 718-729	8.9	39
283	Investigation of Saliency in a Switched-Flux Permanent-Magnet Machine Using High-Frequency Signal Injection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5094-5104	8.9	16
282	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 5000-5011	8.9	47

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280	Optimal slot/pole and flux-barrier layer number combinations for synchronous reluctance machines <b>2013</b> ,		34
279	Investigation of electromagnetic performance of salient-pole synchronous reluctance machines having different concentrated winding connections <b>2013</b> ,		9
278	Direct torque control of permanent magnet brushless AC drive with single-phase open-circuit fault accounting for influence of inverter voltage drop. <i>IET Electric Power Applications</i> , <b>2013</b> , 7, 369-380	1.8	26
277	Comparative Study of Novel Variable Flux Reluctance Machines With Doubly Fed Doubly Salient Machines. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3838-3841	2	66
276	Robust Initial Rotor Position Estimation of Permanent-Magnet Brushless AC Machines With Carrier-Signal-Injection-Based Sensorless Control. <i>IEEE Transactions on Industry Applications</i> , <b>2013</b> , 49, 2602-2609	4.3	44
275	Analysis of Electromagnetic Performance of Halbach PM Brushless Machines Having Mixed Grade and Unequal Height of Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1461-1469	2	30
274	Cogging Torque Optimization of Flux-Switching Transverse Flux Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2169-2172	2	43
273	Reduction of On-Load Torque Ripples in Permanent Magnet Synchronous Machines by Improved Skewing. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3822-3825	2	23
272	Torque Density and Magnet Usage Efficiency Enhancement of Sandwiched Switched Flux Permanent Magnet Machines Using V-Shaped Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3834-3837	2	48
271	Analytical Modeling of Claw-Pole Stator SPM Brushless Machine Having SMC Stator Core. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3830-3833	2	13
270	Improved sensorless control of permanent magnet synchronous machine based on third-harmonic back-EMF <b>2013</b> ,		4
269	Comparison of low-cost single-phase wound-field switched-flux machines <b>2013</b> ,		7
268	Comparison of low-cost wound-field switched-flux machines <b>2013</b> ,		6
267	Electromagnetic performance of interior permanent magnet machines with eccentricity <b>2013</b> ,		3
266	Investigation of Torque Ripples in Permanent Magnet Synchronous Machines With Skewing. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1211-1220	2	81
265	Investigation of Forces in Linear Induction Motor Under Different Slip Frequency for Low-Speed Maglev Application. <i>IEEE Transactions on Energy Conversion</i> , <b>2013</b> , 28, 145-153	5.4	45
264	Influence of Slot and Pole Number Combinations on Unbalanced Magnetic Force in PM Machines With Diametrically Asymmetric Windings. <i>IEEE Transactions on Industry Applications</i> , <b>2013</b> , 49, 19-30	4.3	69

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262	Average Torque Separation in Permanent Magnet Synchronous Machines Using Frozen Permeability. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1202-1210	2	110
261	Parameter Estimation for Condition Monitoring of PMSM Stator Winding and Rotor Permanent Magnets. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 5902-5913	8.9	113
260	Improved sliding mode model reference adaptive system speed observer for fuzzy control of direct-drive permanent magnet synchronous generator wind power generation system. <i>IET Renewable Power Generation</i> , <b>2013</b> , 7, 28-35	2.9	42
259	On-Load Cogging Torque Calculation in Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2982-2989	2	28
258	Electromagnetic Performance of Novel Variable Flux Reluctance Machines With DC-Field Coil in Stator. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3020-3028	2	92
257	Electromagnetic performance analysis of synchronous reluctance machines having non-overlapping concentrated winding and AC sinusoidal bipolar with DC bias excitation <b>2013</b> ,		2
256	Comparison of Cogging Torque Reduction in Permanent Magnet Brushless Machines by Conventional and Herringbone Skewing Techniques. <i>IEEE Transactions on Energy Conversion</i> , <b>2013</b> , 28, 664-674	5.4	61
255	Design and experimental verification of an 18-slot/10-pole fractional-slot surface-mounted permanent-magnet machine <b>2013</b> ,		6
254	Analytical optimisation of external rotor permanent magnet machines. <i>IET Electrical Systems in Transportation</i> , <b>2013</b> , 3, 41-49	2.1	20
253	A new sensorless control strategy by high-frequency pulsating signal injection into stationary reference frame <b>2013</b> ,		5
252	Influence of pole and slot number combinations on cogging torque in permanent magnet machines with static and rotating eccentricities <b>2013</b> ,		7
251	Improved Voltage-Vector Sequences on Dead-Beat Predictive Direct Power Control of Reversible Three-Phase Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 254-267	7.2	142
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249	Comparison of Linear Switched Flux Permanent Magnet Machines. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 416-417, 121-126	0.3	
248	General analytical model for calculating electromagnetic performance of permanent magnet brushless machines having segmented Halbach array. <i>IET Electrical Systems in Transportation</i> , <b>2013</b> , 3, 57-66	2.1	33
247	Sensorless control based on third harmonic back-EMF and PLL for permanent magnet synchronous machine <b>2013</b> ,		3
246	Unbalanced magnetic force in permanent magnet machines having asymmetric windings and static/rotating eccentricities <b>2013</b> ,		5



245	Space-vector PWM based direct torque control of PM brushless machine drives having non-ideal characteristics <b>2013</b> ,		2
244	Comparative study of electromagnetic performance of switched reluctance machines under different excitation techniques <b>2013</b> ,		4
243	Analytical Modeling and Analysis of Open-Circuit Magnet Loss in Surface-Mounted Permanent-Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1234-1247	2	37
242	Analytical Model for Predicting Magnet Loss of Surface-Mounted Permanent Magnet Machines Accounting for Slotting Effect and Load. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 107-117	2	56
241	Influence of Additional Air Gaps Between Stator Segments on Cogging Torque of Permanent-Magnet Machines Having Modular Stators. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2049-2055	2	68
240	Analytical Model of Eddy Current Loss in Windings of Permanent-Magnet Machines Accounting for Load. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2138-2151	2	58
239	Investigation of Torque-Speed Characteristics and Cogging Torque of Fractional-Slot IPM Brushless AC Machines Having Alternate Slot Openings. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 903-912	4.3	29
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237	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 2414-2425	8.9	111
236	Influence of Nonideal Voltage Measurement on Parameter Estimation in Permanent-Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 2438-2447	8.9	72
235	Simple and accurate analytical estimation of slotting effect on magnet loss in fractional-slot surface-mounted PM machines <b>2012</b> ,		10
234	Static Characteristics Analysis and Experimental Study of a Novel Axial Field Flux-Switching Permanent Magnet Generator. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4212-4215	2	25
233	Analytical investigation of open-circuit eddy current loss in windings of PM machines <b>2012</b> ,		12
232	Analysis of electromagnetic torque in sinusoidal excited switched reluctance machines having DC bias in excitation <b>2012</b> ,		30
231	Comparison of flux weakening capability in alternative switched flux permanent magnet machines by mechanical adjusters <b>2012</b> ,		5
230	Flux-Weakening Control of Nonsalient Pole PMSM Having Large Winding Inductance, Accounting for Resistive Voltage Drop and Inverter Nonlinearities. <i>IEEE Transactions on Power Electronics</i> , <b>2012</b> , 27, 942-952	7.2	92
229	Novel Modular-Rotor Switched-Flux Permanent Magnet Machines. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 2249-2258	4.3	22
228	Investigation of PWMs on vibration and noise in SRM with sinusoidal bipolar excitation <b>2012</b> ,		18

227	Analytical modeling of eddy current loss in retaining sleeve of surface-mounted PM machines accounting for influence of slot opening <b>2012</b> ,		9
226	Investigation of Permanent Magnet Brushless Machines Having Unequal-Magnet Height Pole. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4815-4830	2	35
225	Electrical machines and power-electronic systems for high-power wind energy generation applications. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2012</b> , 32, 34-71	0.7	19
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223	Comparison of alternate mechanically adjusted variable flux switched flux permanent magnet machines <b>2012</b> ,		6
222	Vibration and noise in novel variable flux reluctance machine with DC-field coil in stator <b>2012</b> ,		32
221	Influence of Electric Loading and Magnetic Saturation on Cogging Torque, Back-EMF and Torque Ripple of PM Machines. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2650-2658	2	108
220	Influence of rotor pole number on electromagnetic performance of novel variable flux reluctance machine with DC-field coil in stator <b>2012</b> ,		19
219	Saliency investigation of switched-flux PM brushless AC machine for saliency-tracking-based sensorless control <b>2012</b> ,		1
218	Robust initial rotor position estimation of permanent magnet brushless AC machines with carrier signal injection-based sensorless control <b>2012</b> ,		2
217	Analytical optimization and comparison of torque densities between permanent magnet and electrically excited machines <b>2012</b> ,		4
216	Influence and Compensation of Inverter Voltage Drop in Direct Torque-Controlled Four-Switch Three-Phase PM Brushless AC Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 2343-2357	7.2	50
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214	Review of variable-flux permanent magnet machines <b>2011</b> ,		38
213	Switched flux permanent magnet machines Innovation continues <b>2011</b> ,		72
212	Mechanically adjusted variable-flux concept for switched-flux permanent-magnet machines <b>2011</b> ,		12
211	Optimal torque matching of a magnetic gear within a permanent magnet machine <b>2011</b> ,		14
210	A Novel Method for Compensating Inverter Nonlinearity Effects in Carrier Signal Injection-Based Sensorless Control From Positive-Sequence Carrier Current Distortion. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1283-1292	4.3	47

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207	Analytical determination of optimal split ratio for overlapping and non-overlapping winding external rotor PM brushless machines <b>2011</b> ,		3
206	Analytical cogging torque prediction for surface-mounted PM machines accounting for different slot sizes and uneven positions <b>2011</b> ,		9
205	Individual and global optimization of switched flux permanent magnet motors <b>2011</b> ,		20
204	Analytical modeling and investigation of transient response of PM machines with 3-phase short-circuit fault <b>2011</b> ,		11
203	Comparison of flux switching and surface mounted permanent magnet generators for high-speed applications. <i>IET Electrical Systems in Transportation</i> , <b>2011</b> , 1, 111	2.1	54
202	Investigation of Effectiveness of Sensorless Operation in Carrier-Signal-Injection-Based Sensorless-Control Methods. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 3431-3439	8.9	128
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200	An Improved Subdomain Model for Predicting Magnetic Field of Surface-Mounted Permanent Magnet Machines Accounting for Tooth-Tips. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1693-1704	2	135
199	Analytical Determination of Optimal Split Ratio of E-Core Permanent Magnet Linear Oscillating Actuators. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 25-33	4.3	28
198	. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1681-1691	4.3	86
197	Analytical prediction of electromagnetic performance of surface-mounted PM machines based on subdomain model accounting for tooth-tips. <i>IET Electric Power Applications</i> , <b>2011</b> , 5, 597	1.8	57
196	A Novel Hybrid-Excited Switched-Flux Brushless AC Machine for EV/HEV Applications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 1365-1373	6.8	123
195	Rotor Eddy Current Loss Calculation and Thermal Analysis of Permanent Magnet Motor and Generator. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4199-4202	2	58
194	Analytical Magnetic Field Analysis and Prediction of Cogging Force and Torque of a Linear and Rotary Permanent Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3004-3007	2	39
193	A Novel Axial Field Flux-Switching Permanent Magnet Wind Power Generator. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4457-4460	2	98
192	Online Multiparameter Estimation of Nonsalient-Pole PM Synchronous Machines With Temperature Variation Tracking. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 1776-1788	8.9	143

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190	Analytical Model for Predicting Maximum Reduction Levels of Vibration and Noise in Switched Reluctance Machine by Active Vibration Cancellation. <i>IEEE Transactions on Energy Conversion</i> , <b>2011</b> , 26, 36-45	5.4	98
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188	Influence of alternate slot openings on torque-speed characteristics and cogging torque of fractional slot IPM brushless AC machines <b>2011</b> ,		1
187	Control of stator torsional vibration in PM brushless AC drives due to non-sinusoidal back-EMF and cogging torque by improved direct torque control <b>2011</b> ,		5
186	Analysis and mitigation of torsional vibration of PM brushless DC drives with direct torque controller <b>2011</b> ,		4
185	Improved rotating carrier signal injection method for sensorless control of PM brushless AC motors, accounting for cross-saturation effect <b>2011</b> ,		8
184	Dc-link capacitance requirement and noise and vibration reduction in 6/4 switched reluctance machine with sinusoidal bipolar excitation <b>2011</b> ,		17
183	Thermal analysis and comparison of permanent magnet motor and generator <b>2011</b> ,		7
182	Performance comparison between unipolar and bipolar excitations in switched reluctance machine with sinusoidal and rectangular waveforms <b>2011</b> ,		29
181	Investigation of rotor eddy current losses in fractional slot PM machines with solid rotor back-iron <b>2011</b> ,		1
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176	Comparison of radial vibration forces in 10-pole/12-slot fractional slot surface-mounted and interior PM brushless AC machines <b>2010</b> ,		21
175	A novel E-core flux-switching PM brushless AC machine <b>2010</b> ,		39
174	Optimization of linear flux switching permanent magnet motor <b>2010</b> ,		12

173	Comparison of losses and efficiency in alternate flux-switching permanent magnet machines <b>2010</b> ,		39
172	A novel hybrid excited flux-switching brushless AC Machines for EV/HEV applications <b>2010</b> ,		4
171	Low cost flux-switching brushless AC machines <b>2010</b> ,		60
170	Analysis of rotor eddy current loss in fractional slot permanent magnet machine with solid rotor back-iron <b>2010</b> ,		14
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160	Comparison of analytical models for predicting electromagnetic performance in surface-mounted permanent magnet machines <b>2010</b> ,		5
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156	Hybrid-Excited Flux-Switching Permanent-Magnet Machines With Iron Flux Bridges. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1726-1729	2	144

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123	Winding Inductances of Fractional Slot Surface-Mounted Permanent Magnet Brushless Machines <b>2008</b> ,		61
122	Influence of PWM on the Proximity Loss in Permanent Magnet Brushless AC Machines <b>2008</b> ,		8
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