Wei Hua

List of Publications by Year in Descending Order

298 papers
4,680 citations
34 h-index
58 g-index
336 ext. papers
6,031 ext. citations
4.1 avg, IF
6.27 L-index

#	Paper	IF	Citations
298	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth-Tips. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	0
297	Performance Entitlement by Using Novel High Strength Electrical Steels and Copper Alloys for High-Speed Laminated Rotor Induction Machines. *Electronics (Switzerland)*, **2022**, 11, 210	2.6	0
296	Robust Cascaded Deadbeat Predictive Control for Dual Three-Phase Variable-Flux PMSM Considering Intrinsic Delay in Speed Loop. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	2
295	A Forward Compensation Method to Eliminate DC Phase Error in SRF-PLL. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
294	A Hybrid Model-Based Diagnosis Approach for Open-Switch Faults in PMSM Drives. *IEEE Transactions on Power Electronics*, **2022**, 37, 3728-3732	7.2	3
293	Quantitative Analysis of Electromagnetic Forces by Decoupling Air-Gap Field Modulation and Force Modulation in Rotor-Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	
292	Multiple 3-phase PMA-SynRM with Delta Windings for Enhanced Fault Tolerance. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	
291	High Performance and Strong Fault Tolerant Triple 3-phase PMA-SynRM with Star-delta Windings. *IEEE Transactions on Energy Conversion*, **2022**, 1-1	5.4	
290	Magnetic Equivalent Circuit and Optimization Method of a Synchronous Reluctance Motor with Concentrated Windings. *Energies*, **2022**, 15, 1735	3.1	0
289	Parameter Sensitivity Analysis and Robust Design Approach for Flux-Switching Permanent Magnet Machines. *Energies*, **2022**, 15, 2194	3.1	
288	Design and Key Technology of Oil-Free Centrifugal Air Compressor for Hydrogen Fuel Cell. *CES Transactions on Electrical Machines and Systems*, **2022**, 6, 11-19	2.3	
287	A Voltage Distortion-Based Method for Robust Detection and Location of Inter-turn Fault in Permanent Magnet Synchronous Machine. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
286	Collaborative Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Drive Systems. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	1
285	Surrogate Models-based Multi-Objective Optimization of High-Speed PM Synchronous Machine: Construction and Comparison. *IEEE Transactions on Transportation Electrification*, **2022**, 1-1	7.6	
284	A Unified Inner Current Control Strategy Based on the 2-DOF Theory for a Multifunctional Cascade Converter in an Integrated Microgrid System. *Sustainability*, **2022**, 14, 5074	3.6	
283	Four-Vector Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Systems. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	
282	A Highly Reliable Three-Level Neutral-Point-Clamped Inverter with Anti-Shoot-Through Capability. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1

281	Torque Characteristics of SPM-FS Machines with Functional-Contour Salient Pole Rotors Considering Manufacturing Error. *IEEE Transactions on Energy Conversion*, **2022**, 1-1	5.4	
280	Torque Ripple Suppression of Flux-Switching Permanent Magnet Machine Based on General Air-gap Field Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
279	Analysis and Detection of Rotor Eccentricity in Permanent Magnet Synchronous Machines Based on Linear Hall Sensors. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	3
278	Investigation of a 3D-Magnetic Flux PMSM with High Torque Density for Electric Vehicles. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
277	Inductance Characteristics of Flux-Switching Permanent Magnet Machine Based on General Air-gap Filed Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
276	Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Traction Systems. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	5
275	Cooling Analysis of High-Speed Stator-Permanent Magnet Flux-Switching Machines for Fuel-cell Electric Vehicle Compressor. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	0
274	A Critical Review of Emerging Technologies for Electric and Hybrid Vehicles. *IEEE Open Journal of Vehicular Technology*, **2021**, 1-1	5.3	5
273	Concept and Implementation of Embedded Magnetic Encoder in Flux-Switching Permanent-Magnet Machines. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
272	Compulsory Islanding Transition Strategy Based on Fuzzy Logic Control for a Renewable Microgrid System. *Mathematical Problems in Engineering*, **2021**, 2021, 1-13	1.1	3
271	Comparison of Methods Using Different Sources for Computing PWM Effects on Permanent Magnet Machines Considering Eddy Current Reaction. *IEEE Transactions on Magnetics*, **2021**, 57, 1-4	2	2
270	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 2919-2930	8.9	11
269	An On-Board Two-Stage Integrated Fast Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1780-1790	8.9	7
268	Coupled Magnetic Field-Thermal Network Analysis of Modular-Spoke-Type Permanent-Magnet Machine for Electric Motorcycle. *IEEE Transactions on Energy Conversion*, **2021**, 36, 120-130	5.4	11
267	Coupled Fault-Tolerant Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. *IEEE Transactions on Power Electronics*, **2021**, 36, 3408-3421	7.2	5
266	Cost Function-Based Open-Phase Fault Diagnosis for PMSM Drive System With Model Predictive Current Control. *IEEE Transactions on Power Electronics*, **2021**, 36, 2574-2583	7.2	28
265	A Fault Diagnosis Method for Current Sensors of Primary Permanent-Magnet Linear Motor Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 2334-2345	7.2	17
264	. *IEEE Transactions on Energy Conversion*, **2021**, 36, 23-35	5.4	2

263	Fault Operation Analysis of a Triple-Redundant Three-Phase PMA-SynRM for EV Application. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 183-192	7.6	5
262	General Principle of Symmetrical Flux Linkages in Stator-Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2021**, 57, 1-6	2	2
261	Improved Loss Minimization Control for IPMSM Using Equivalent Conversion Method. *IEEE Transactions on Power Electronics*, **2021**, 36, 1931-1940	7.2	14
260	Reference voltage vector based model predictive control for semicontrolled open-winding flux-switching permanent magnet generator system with a novel zero-sequence current suppression strategy. *IET Renewable Power Generation*, **2021**, 15, 477-490	2.9	0
259	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part II: Electromagnetic Torque Generation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	11
258	Phase-Shifting Fault-Tolerant Control of Permanent-Magnet Linear Motors with Single Phase Current Sensor. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
257	A New High-Speed Dual-Stator Flux Switching Permanent Magnet Machine with Distributed Winding. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	3
256	Resonance Network Structuring Method for Zero-Voltage-Transition Transformerless Inverters. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
255	Model Predictive Control with Constant Switching Frequency for Three-Level T-type Inverter Fed PMSM Drives. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
254	Mathematical Analysis Model of Double-Stator Field Modulation HTS Machine Based on General Airgap Field Modulation Theory. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	3
253	Analytical Prediction of Torque of Switched Reluctance Machines Considering Nonlinear Characteristics. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
252	. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
251	Analysis of Open-Circuit Performances in Flux-Reversal Permanent Magnet Machines by Superposition Methods. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	1
250	Improved Open-Circuit Airgap Field Model for FSCW-STPM Machines Considering PM-MMF Fluctuation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
249	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part I: Back-EMF Generation. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	14
248	Comparative Study of Winding Configuration on a Multi-tooth Flux Switching Permanent Magnet Machine. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	
247	Study on the PWM Ripple Current Based Turn Fault Detection for Interior PM Machine. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 1537-1547	7.6	1
246	An open-circuit fault diagnosis method for PMSM drives using symmetrical and DC components. *Chinese Journal of Electrical Engineering*, **2021**, 7, 124-135	4	3

245	Influence of rotor iron bridge position on DC-winding-induced voltage in wound field switched flux machine having partitioned stators. *Chinese Journal of Electrical Engineering*, **2021**, 7, 20-28	4	1
244	Current-Based Open-Circuit Fault Diagnosis for PMSM Drives With Model Predictive Control. *IEEE Transactions on Power Electronics*, **2021**, 36, 10695-10704	7.2	12
243	Enhancement of torque density in wound field switched flux machines with partitioned stators using assisted ferrites. *Chinese Journal of Electrical Engineering*, **2021**, 7, 42-51	4	2
242	Low-Complexity Multivector-Based Model Predictive Torque Control for PMSM With Voltage Preselection. *IEEE Transactions on Power Electronics*, **2021**, 36, 11726-11738	7.2	36
241	Integration of Interturn Fault Diagnosis and Torque Ripple Minimization Control for Direct-Torque-Controlled SPMSM Drive System. *IEEE Transactions on Power Electronics*, **2021**, 36, 11124-11134	7.2	13
240	Dead-Time Compensation Based on a Modified Multiple Complex Coefficient Filter for Permanent Magnet Synchronous Machine Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 12979-12989	7.2	9
239	A Low-Complexity Three-Vector-Based Model Predictive Torque Control for SPMSM. *IEEE Transactions on Power Electronics*, **2021**, 36, 13002-13012	7.2	28
238	Fast Current Control Without Computational Delay by Minimizing Update Latency. *IEEE Transactions on Power Electronics*, **2021**, 36, 12207-12212	7.2	2
237	Dual-Vector Located Model Predictive Control With Single DC-Link Current Sensor for Permanent-Magnet Linear Motor Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 14142-14154	7.2	8
236	The Mechanism Analysis on Open-Circuit Back EMF in Fractional-Slot Concentrated Winding Permanent Magnet Machines Using Air-Gap Field Modulation Theory. *IEEE Transactions on Transportation Electrification*, **2021**, 7, 2658-2670	7.6	1
235	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11719-11730	8.9	6
234	Research on Detent Force Characteristics of a Linear Flux-Switching Permanent-Magnet Motor. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
233	Analysis of DC Winding Induced Voltage in Wound-Field Flux-Switching Machine with Air-Gap Field Modulation Principle. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
232	A Hybrid Dual-Mode Control for Permanent-Magnet Synchronous Motor Drives. *IEEE Access*, **2020**, 8, 105864-105873	3.5	6
231	Dual-Level Located Feedforward Control for Five-Leg Two-Mover Permanent-Magnet Linear Motor Traction Systems. *IEEE Transactions on Power Electronics*, **2020**, 35, 13673-13686	7.2	8
230	Design and Analysis of a Hybridly Excited Asymmetric Stator Pole Doubly Salient Machine. *IEEE Transactions on Industry Applications*, **2020**, 56, 2600-2611	4.3	5
229	. *IEEE Transactions on Energy Conversion*, **2020**, 35, 1289-1300	5.4	7
228	Compensation of Current Measurement Offset Error for Permanent Magnet Synchronous Machines. *IEEE Transactions on Power Electronics*, **2020**, 35, 11119-11128	7.2	9

227	A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3793-3804	6.8	8
226	Multivector-Based Model Predictive Control With Geometric Solution of a Five-Phase Flux-Switching Permanent Magnet Motor. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10035-10045	8.9	21
225	Model Predictive Torque Control With SVM for Five-Phase PMSM Under Open-Circuit Fault Condition. *IEEE Transactions on Power Electronics*, **2020**, 35, 5531-5540	7.2	21
224	Torque Production Mechanism of Switched Reluctance Machines With Air-Gap Field Modulation Principle. *IEEE Transactions on Energy Conversion*, **2020**, 35, 1617-1627	5.4	10
223	Fast calculation of carrier harmonic iron losses caused by pulse width modulation in interior permanent magnet synchronous motors. *IET Electric Power Applications*, **2020**, 14, 1163-1176	1.8	3
222	Development of a generic framework for lumped parameter modeling. *Open Physics*, **2020**, 18, 365-373	1.3	
221	Reduction of Open-Circuit DC Winding Induced Voltage and Torque Pulsation in the Wound Field Switched Flux Machine by Stator Axial Pairing of Tooth-Tips **2020**,		2
220	Fast calculation of eddy current losses caused by pulse-width modulation in magnets of surface-mounted PM machines based on small-signal time-harmonic finite element analysis. *IET Electric Power Applications*, **2020**, 14, 2163-2170	1.8	2
219	Electromagnetic Performance Comparison Between 12-Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation. *IEEE Transactions on Industry Applications*, **2020**, 56, 1408-1422	4.3	13
218	Comparison of stator- and rotor-surface-mounted PM brushless machines. *IET Electric Power Applications*, **2020**, 14, 62-70	1.8	3
217	Interturn Fault Diagnosis for Model-Predictive-Controlled-PMSM Based on Cost Function and Wavelet Transform. *IEEE Transactions on Power Electronics*, **2020**, 35, 6405-6418	7.2	29
216	Enhanced Model Predictive Torque Control of Fault-Tolerant Five-Phase Permanent Magnet Synchronous Motor With Harmonic Restraint and Voltage Preselection. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 6259-6269	8.9	21
215	A Novel Stator Turn Fault Detection Technique by Using Equivalent High Frequency Impedance. *IEEE Access*, **2020**, 8, 130540-130550	3.5	3
214	A Co-Phase Traction Power Supply System Based on Asymmetric Three-Leg Hybrid Power Quality Conditioner. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 14645-14656	6.8	7
213	. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 1824-1835	8.9	12
212	Analysis of Stator Slots and Rotor Pole Pairs Combinations of Rotor-Permanent Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 906-918	8.9	11
211	Design and Optimization of a Flux-Modulated Permanent Magnet Motor Based on an Airgap-Harmonic-Orientated Design Methodology. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 5337-5348	8.9	39
210	. *IEEE Transactions on Power Electronics*, **2020**, 35, 1365-1376	7.2	16

209	A DC-Flux-Injection Method for Fault Diagnosis of High-Resistance Connection in Direct-Torque-Controlled PMSM Drive System. *IEEE Transactions on Power Electronics*, **2020**, 35, 3029-3042	7.2	20
208	Digital Current Control of an Asymmetrical Dual Three-Phase Flux-Switching Permanent Magnet Machine. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4281-4291	8.9	9
207	A Novel Region-Refinement Pulse Width Modulation Method for Torque Ripple Reduction of Brushless DC Motors. *IEEE Access*, **2019**, 7, 5333-5342	3.5	10
206	Performance Improvement of Model Predictive Current Control of Fault-Tolerant Five-Phase Flux-Switching Permanent Magnet Motor Drive. *IEEE Transactions on Industry Applications*, **2019**, 55, 6001-6010	4.3	9
205	Comparative Study on Two Modular Spoke-Type PM Machines for In-Wheel Traction Applications. *IEEE Transactions on Energy Conversion*, **2019**, 34, 2137-2147	5.4	6
204	Analysis and Reduction of Cogging Torque for Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2019**, 55, 5854-5864	4.3	10
203	Analysis and Suppression of Induced Voltage Pulsation in DC Winding of Five-Phase Wound-Field Switched Flux Machines. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1890-1905	5.4	11
202	A Novel Inertia Identification Method and Its Application in PI Controllers of PMSM Drives. *IEEE Access*, **2019**, 7, 13445-13454	3.5	21
201	A Comparative Study on Nine- and Twelve-Phase Flux-Switching Permanent-Magnet Wind Power Generators. *IEEE Transactions on Industry Applications*, **2019**, 55, 3607-3616	4.3	11
200	Thermal Analysis of Modular-Spoke-Type Permanent-Magnet Machines Based on Thermal Network and FEA Method. *IEEE Transactions on Magnetics*, **2019**, 55, 1-5	2	19
199	Effective Turn Fault Mitigation by Creating Zero Sequence Current Path for a Triple Redundant 3 □ 3-Phase PMA SynRM. *IEEE Transactions on Power Electronics*, **2019**, 34, 11080-11089	7.2	10
198	Design and Analysis of a Novel Synthetic Slot Dual-PM Machine. *IEEE Access*, **2019**, 7, 29916-29923	3.5	2
197	Comparative Study Between a Novel Multi-Tooth and a V-Shaped Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-8	2	12
196	An Improved Brushless Doubly Fed Generator With Interior PM Rotor for Wind Power Applications. *IEEE Transactions on Magnetics*, **2019**, 55, 1-6	2	3
195	Fault-Tolerant Control of Primary Permanent-Magnet Linear Motors With Single Phase Current Sensor for Subway Applications. *IEEE Transactions on Power Electronics*, **2019**, 34, 10546-10556	7.2	20
194	Analysis of Back-EMF in Flux-Reversal Permanent Magnet Machines by Air Gap Field Modulation Theory. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 3344-3355	8.9	34
193	Model Predictive Thrust Force Control of a Linear Flux-Switching Permanent Magnet Machine With Voltage Vectors Selection and Synthesis. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 4956-4967	8.9	31
192	Influences of Stator Teeth Number on PM Coupling Levels of Co-Axial Dual-Mechanical-Port Flux-Switching PM Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-7	2	2

191	Design Process of a Triple Redundant Fault Tolerant PMA SynRM. *IEEE Access*, **2019**, 7, 76241-76249	3.5	4
190	Dynamic magnetic-coupling effect of two-degrees-of-freedom direct drive induction motor. *IEEJ Transactions on Electrical and Electronic Engineering*, **2019**, 14, 1872-1878	1	
189	Simplified Model Predictive Current Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. *Energies*, **2019**, 12, 4144	3.1	5
188	Stator-Slot/Rotor-Pole Pair Combinations of Flux-Reversal Permanent Magnet Machine. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 6799-6810	8.9	15
187	Analysis of coupling between two sub-machines in co-axis dual-mechanical-port flux-switching PM machine for fuel-based extended range electric vehicles. *IET Electric Power Applications*, **2019**, 13, 48-56	1.8	5
186	Comparative Study of Wound-Field Flux-Switching Machines and Switched Reluctance Machines. *IEEE Transactions on Industry Applications*, **2019**, 55, 2581-2591	4.3	7
185	The Influence of Winding Location in Flux-Switching Permanent-Magnet Machines. *IEEE Transactions on Magnetics*, **2019**, 55, 1-5	2	4
184	Comprehensive Comparison of Rotor Permanent Magnet and Stator Permanent Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 5862-5871	8.9	22
183	Modular Spoke-Type Permanent-Magnet Machine for In-Wheel Traction Applications. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 7648-7659	8.9	21
182	Quantitative Evaluation of the Topologies and Electromagnetic Performances of Dual-Three-Phase Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 9157-9167	8.9	15
181	Cogging torque suppression in flux-reversal permanent magnet machines. *IET Electric Power Applications*, **2018**, 12, 135-143	1.8	16
180	Influence of Coil Pitch and Stator-Slot/Rotor-Pole Combination on Back EMF Harmonics in Flux-Reversal Permanent Magnet Machines. *IEEE Transactions on Energy Conversion*, **2018**, 33, 1330-1341	5.4	22
179	Cogging torque minimisation in FSPM machines by right-angle-based tooth chamfering technique. *IET Electric Power Applications*, **2018**, 12, 627-634	1.8	13
178	Design and Optimization of an External Rotor Ironless BLDCM Used in a Flywheel Energy Storage System. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	5
177	Analysis of magnetic-coupling effect on the performances of 2DoF direct-drive induction motors. *IET Electric Power Applications*, **2018**, 12, 946-952	1.8	0
176	Model Predictive Current Control of Open-Circuit Fault-Tolerant Five-Phase Flux-Switching Permanent Magnet Motor Drives. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2018**, 6, 1840-1849	5.6	30
175	Design and Analysis of Halbach Ironless Flywheel BLDC Motor/Generators. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	16
174	Analysis of the Operation Principle for Rotor-Permanent-Magnet Flux-Switching Machines. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 1062-1073	8.9	36

173	Analytical Approach for Cogging Torque Reduction in Flux-Switching Permanent Magnet Machines Based on Magnetomotive Force-Permeance Model. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 1965-1979	8.9	46
172	SC Parameters Extraction of SiC-MOSFETs and Application in Advanced Gate Drivers **2018**,		1
171	Electromagnetic Performance Comparison between 12- Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation **2018**,		3
170	Cogging Torque Suppression in Flux-Switching Permanent Magnet Machines by Superposition of Single Rotor Tooth **2018**,		2
169	A Current Sensor-Less Controller for Grid-Connected Inverters **2018**,		1
168	A Novel Detent Force Reduction Method for Primary Permanent Magnet Linear Motor Traction System in Subway Applications **2018**,		1
167	Design of Hybrid Excited Asymmetric-Stator-Pole Doubly Salient Machine **2018**,		4
166	Design Considerations of Novel Modular-Spoke-Type Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2018**, 54, 4236-4245	4.3	16
165	The Influence of Magnetization on Modular Spoke-Type Permanent-Magnet Machine for In-Wheel Traction Applications. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	2
164	An Improved Configuration for Cogging Torque Reduction in Flux-Reversal Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	25
163	A model predictive current control of flux-switching permanent magnet machines for torque ripple minimization. *AIP Advances*, **2017**, 7, 056609	1.5	2
162	Back-EMF waveform optimization of flux-reversal permanent magnet machines. *AIP Advances*, **2017** , 7, 056613	1.5	7
161	The Influence of Dummy Slots on Stator Surface-Mounted Permanent Magnet Machines. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5	2	10
160	Analysis of Back-EMF Waveform of a Novel Outer-Rotor-Permanent-Magnet Flux-Switching Machine. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	14
159	Influence of Rotor-Pole Number on Electromagnetic Performance in 12-Phase Redundant Switched Flux Permanent Magnet Machines for Wind Power Generation. *IEEE Transactions on Industry Applications*, **2017**, 53, 3305-3316	4.3	13
158	Performance comparison between rotor flux-switching and stator flux-switching machines considering local demagnetization. *AIP Advances*, **2017**, 7, 056641	1.5	0
157	Investigation on Phase Shift Between Multiple Multiphase Windings in Flux-Switching Permanent Magnet Machines. *IEEE Transactions on Industry Applications*, **2017**, 53, 1958-1970	4.3	11
156	Coupled Magnetic-Thermal Fields Analysis of Water Cooling Flux-Switching Permanent Magnet Motors by an Axially Segmented Model. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	25

155	General Power Equation of Switched Reluctance Machines and Power Density Comparison. *IEEE Transactions on Industry Applications*, **2017**, 53, 4298-4307	4.3	8
154	A novel flux-switching permanent magnet machine with v-shaped magnets. *AIP Advances*, **2017**, 7, 056655	1.5	5
153	Mixed mode fracture analysis of CCBD specimens based on the extended maximum tangential strain criterion. *Fatigue and Fracture of Engineering Materials and Structures*, **2017**, 40, 2118-2127	3	22
152	Improved model-predictive-flux-control strategy for three-phase four-switch inverter-fed flux-reversal permanent magnet machine drives. *IET Electric Power Applications*, **2017**, 11, 717-728	1.8	18
151	Power distribution of a co-axial dual-mechanical-port flux-switching permanent magnet machine for fuel-based extended range electric vehicles. *AIP Advances*, **2017**, 7, 056638	1.5	6
150	General Airgap Field Modulation Theory for Electrical Machines. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 6063-6074	8.9	204
149	A novel reduced-order load torque observer based discrete-time sliding mode control for PMSM speed servo system **2017**,		2
148	Evaluation of parameter sensitivities for flux-switching permanent magnet machines based on simplified equivalent magnetic circuit. *AIP Advances*, **2017**, 7, 056615	1.5	1
147	An inductance Fourier decomposition-based current-hysteresis control strategy for switched reluctance motors. *AIP Advances*, **2017**, 7, 056661	1.5	
146	Investigation of a Five-Phase E-Core Hybrid-Excitation Flux-Switching Machine for EV and HEV Applications. *IEEE Transactions on Industry Applications*, **2017**, 53, 124-133	4.3	47
145	A Novel Flux-Switching Permanent Magnet Machine With Overlapping Windings. *IEEE Transactions on Energy Conversion*, **2017**, 32, 172-183	5.4	32
144	An outer-rotor flux-switching permanent-magnet-machine with wedge-shaped magnets for in-wheel light traction. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 69-80	8.9	63
143	Non-symmetrical permanent-magnet linear motor traction systems for subway applications **2017**,		3
142	Analysis and optimization of key dimensions of co-axial dual-mechanical-port flux-switching permanent magnet machines for fuel-based extended range electric vehicles. *CES Transactions on Electrical Machines and Systems*, **2017**, 1, 292-299	2.3	3
141	Analysis and evaluation of novel rotor permanent magnet flux-switching machine for EV and HEV applications. *IET Electric Power Applications*, **2017**, 11, 1610-1618	1.8	18
140	Model predictive power control of a brushless doubly fed twin stator induction generator **2017**,		4
139	Design of novel modular-spoke-type permanent magnet machines **2017**,		1
138	Mathematical Modeling of a 12-Phase Flux-Switching Permanent-Magnet Machine for Wind Power Generation. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 504-516	8.9	46

137	. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 481-493	8.9	61
136	Accurate model of switched reluctance motor based on indirect measurement method and least square support vector machine. *IET Electric Power Applications*, **2016**, 10, 916-922	1.8	21
135	Back-EMF waveform optimization of flux-switching permanent magnet machines **2016**,		2
134	Influence of rotor-pole number on electromagnetic performance in twelve-phase redundant SFPM machines for wind power generation **2016**,		1
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