

# Ming Cheng

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

414  
papers

9,487  
citations

49  
h-index

79  
g-index

507  
ext. papers

12,267  
ext. citations

4.9  
avg, IF

6.94  
L-index

#	Paper	IF	Citations
414	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
413	Robust Cascaded Deadbeat Predictive Control for Dual Three-Phase Variable-Flux PMSM Considering Intrinsic Delay in Speed Loop. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	2
412	RCEN: A Deep-Learning-Based Background Noise Suppression Method for DAS-VSP Records. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2022</b> , 19, 1-5	4.1	8
411	Principle and Performance of a New Brushless Doubly-Fed Reluctance Machine with Asymmetrical Composite Modulator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	1
410	An Improved Impedance Modeling Method of Grid-Tied Inverters With White-Box Property. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 3980-3989	7.2	2
409	Controlled release of drug molecules by pillararene-modified nanosystems.. <i>Chemical Communications</i> , <b>2022</b> , 58, 3255-3269	5.8	1
408	Multiple 3-phase PMA-SynRM with Delta Windings for Enhanced Fault Tolerance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	
407	High Performance and Strong Fault Tolerant Triple 3-phase PMA-SynRM with Star-delta Windings. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
406	A gradient-based algorithm for non-smooth constrained optimization problems governed by discrete-time nonlinear equations with application to long-term hydrothermal optimal scheduling control. <i>Journal of Computational and Applied Mathematics</i> , <b>2022</b> , 114335	2.4	0
405	Active damping strategy with differential feedback of grid-side inductor voltage for LCL-filtered grid-connected inverters. <i>Journal of Power Electronics</i> , <b>2022</b> , 22, 176-186	0.9	1
404	A Current Harmonic Suppression Method for PMSM Based on Harmonic Prediction Adaptive Notch Filter. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
403	Collaborative Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Drive Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	1
402	Investigation of Signal Injection Methods for Fault Detection of PMSM Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
401	Modeling and Suppression of Torque Ripple in PMSM based on the General Airgap Field Modulation Theory. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	1
400	A MRAS Observer based Speed Sensorless Control Method for Dual-Cage Rotor Brushless Doubly Fed Induction Generator. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	
399	Magnetic-inductance: Concept, Definition, and Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	0
398	Four-Vector Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	

397	A penalty function-based random search algorithm for optimal control of switched systems with stochastic constraints and its application in automobile test-driving with gear shifts. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2022</b> , 45, 101218	4.5	1
396	A Highly Reliable Three-Level Neutral-Point-Clamped Inverter with Anti-Shoot-Through Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	1
395	Torque Characteristics of SPM-FS Machines with Functional-Contour Salient Pole Rotors Considering Manufacturing Error. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
394	Torque Ripple Suppression of Flux-Switching Permanent Magnet Machine Based on General Air-gap Field Modulation Theory. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	4
393	Numerical algorithm for optimal control of switched systems and its application in cancer chemotherapy. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 115, 108090	7.5	1
392	Iron loss calculation for FSPM machine with the PWM inverter supply based on general airgap field modulation theory. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	1
391	Stability Assessment of A Radial Grid With Power Converters. <i>IEEE Open Journal of Power Electronics</i> , <b>2021</b> , 1-1	2.5	2
390	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
389	Inductance Characteristics of Flux-Switching Permanent Magnet Machine Based on General Air-gap Filed Modulation Theory. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
388	Phase Model Predictive Voltage Control for Half-Centralized Open-End Winding Permanent-Magnet Linear Motor Traction Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	5
387	Improved Model Predictive Current Control with Series Structure for PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
386	Engineering the Redox-Driven Channel for Precisely Regulating Nanoconfined Glutathione Identification and Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 49137-49145	9.5	1
385	Experimental Study on the Change of the Pore-Fracture Structure in Mining-Disturbed Coal-Series Strata: An Implication for CBM Development in Abandoned Mines. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 1208-1218	4.1	4
384	Modulation behaviours and interchangeability of modulators for electrical machines. <i>IET Electric Power Applications</i> , <b>2021</b> , 15, 542-554	1.8	2
383	A Funnel-Shaped Chloride Nanochannel Inspired By ClC Protein. <i>Nano Letters</i> , <b>2021</b> , 21, 4086-4091	11.5	12
382	Analysis on boundary conditions of soft switching for DC electric spring with parallel topology. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2167-2177	2.2	1
381	Chiral Nanochannels of Ordered Mesoporous Silica Constructed by a Pillar[5]arene-Based Host-Guest System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 27305-27312	9.5	5
380	Dynamic optimization of 1, 3-propanediol fermentation process: A switched dynamical system approach. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> ,	3.2	2

379	Dual Synchronous Rotating Frame Current Control of Brushless Doubly Fed Induction Generator Under Unbalanced Network. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 6712-6724	7.2	5
378	Enantioselective Antiport in Asymmetric Nanochannels. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
377	A Linear Position Measurement Scheme for Long-Distance and High-Speed Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4435-4447	8.9	8
376	An On-Board Two-Stage Integrated Fast Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 1780-1790	8.9	7
375	Nonlinear Analytical Solution of Magnetic Field and Performances of a Spoke Array Vernier Permanent Magnet Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 173-185	5.4	7
374	Coupled Fault-Tolerant Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3408-3421	7.2	5
373	Detection and Discrimination of Incipient Stator Faults for Inverter-Fed Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7505-7515	8.9	11
372	A Fault Diagnosis Method for Current Sensors of Primary Permanent-Magnet Linear Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 2334-2345	7.2	17
371	A Robustness-Improved Control Method Based on ST-SMC for Cascaded Brushless Doubly Fed Induction Generator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 7061-7071	8.9	3
370	Fault-Tolerant Control of Common Electrical Faults in Dual Three-Phase PMSM Drives Fed by T-Type Three-Level Inverters. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 481-491	4.3	10
369	Grid-Connected and Standalone Control for Dual-Stator Brushless Doubly Fed Induction Generator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9196-9206	8.9	2
368	A Novel Current Controller for Grid-Connected Voltage-Source-Inverters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 553-562	8.9	1
367	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part II: Electromagnetic Torque Generation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	11
366	Phase-Shifting Fault-Tolerant Control of Permanent-Magnet Linear Motors with Single Phase Current Sensor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	6
365	Resonance Network Structuring Method for Zero-Voltage-Transition Transformerless Inverters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
364	A layer-by-layer assembled D/L-arginine-calix[4]arene-Si-surface for macroscopic enantio-selective discrimination of (S)/(R)-ibuprofen. <i>Chemical Communications</i> , <b>2021</b> , 57, 5706-5709	5.8	1
363	Dynamic Equivalent Magnetic Network Analysis of an Axial PM Bearingless Flywheel Machine. <i>IEEE Access</i> , <b>2021</b> , 9, 32425-32435	3.5	4
362	An Adaptive Strategy Based on Repetitive Predictive Control for Improving Adaptability of LCL-type Grid-connected Inverters under Weak Grid. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	2

361	Mathematical Analysis Model of Double-Stator Field Modulation HTS Machine Based on General Airgap Field Modulation Theory. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	3
360	A Novel Axial Split Phase Bearingless Switched Reluctance Machine for On-Board Flywheel Battery. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	4
359	Principle of Flux-Switching PM Machine by Magnetic Field Modulation Theory Part I: Back-EMF Generation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	14
358	. <i>IEEE Access</i> , <b>2021</b> , 9, 129706-129717	3.5	
357	Capturing Methomyl Droplet by Calix[4]arene Modified Surface. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7247-7251	1.8	
356	Promoting the Spreading of Droplets on a Superhydrophobic Surface by Supramolecular Amphiphilic Complex-Based Host-Guest Chemistry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 9545-9550	5.7	2
355	Host-Guest Chemistry Triggered Differential HeLa Cell Behavior Based on Pillar[5]arene-Modified Graphene Oxide Surfaces.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 6954-6961	4.1	
354	A Novel Axial Split Phase Bearingless Flywheel Machine With Hybrid-Inner-Stator Permanent Magnet-Based Structure. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1873-1882	5.4	2
353	Spiral vector modeling of brushless doubly-fed induction machines with short-circuited rotor windings. <i>Chinese Journal of Electrical Engineering</i> , <b>2021</b> , 7, 29-41	4	1
352	Analysis and optimization of a five-phase hybrid excitation flux switching machine based on the consistency and complementarity principle. <i>Chinese Journal of Electrical Engineering</i> , <b>2021</b> , 7, 52-64	4	2
351	Analytical analysis and performance characterization of brushless doubly fed induction machines based on general air-gap field modulation theory. <i>Chinese Journal of Electrical Engineering</i> , <b>2021</b> , 7, 4-19	4	5
350	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24443-24449	16.4	3
349	Stray Load Loss Calculation for Induction Motor by Combination of General Airgap Field Modulation Theory and 2D FEA. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 2524-2533	5.4	3
348	Construction of A High-Flux Protein Transport Channel Inspired by the Nuclear Pore Complex. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 24648	3.6	
347	Interleaved Model Predictive Control for Three-Level Neutral-Point-Clamped Dual Three-Phase PMSM Drives With Low Switching Frequencies. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 11618-11630	7.2	12
346	Two-Stage Series Model Predictive Torque Control for PMSM Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 12910-12918	7.2	5
345	Dual-Vector Located Model Predictive Control With Single DC-Link Current Sensor for Permanent-Magnet Linear Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 14142-14154	7.2	8
344	An Improved Zero-Voltage-Transition H6-Type Transformerless Grid-Connected Inverter with Reactive Power Capability. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	2

343	A Tutorial on General Air-gap Field Modulation Theory for Electric Machines. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	5
342	. <i>IEEE Access</i> , <b>2020</b> , 8, 116900-116913	3.5	25
341	Decoupled Power Control With Indepth Analysis of Single-Phase Electric Springs. <i>IEEE Access</i> , <b>2020</b> , 8, 21866-21874	3.5	2
340	A Novel Method Simulating Human Eye Recognition for Sector Judgement of SVPWM Algorithm. <i>IEEE Access</i> , <b>2020</b> , 8, 90216-90224	3.5	1
339	Modeling and Stability Analysis of a Smart Transformer-Fed Grid. <i>IEEE Access</i> , <b>2020</b> , 8, 91876-91885	3.5	0
338	A Hybrid Dual-Mode Control for Permanent-Magnet Synchronous Motor Drives. <i>IEEE Access</i> , <b>2020</b> , 8, 105864-105873	3.5	6
337	Dual-Level Located Feedforward Control for Five-Leg Two-Mover Permanent-Magnet Linear Motor Traction Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 13673-13686	7.2	8
336	Bidirectional Coupling Model of Electromagnetic Field and Thermal Field Applied to the Thermal Analysis of the FSPM Machine. <i>Energies</i> , <b>2020</b> , 13, 3079	3.1	3
335	Investigation of influence of winding structure on reliability of permanent magnet machines. <i>CES Transactions on Electrical Machines and Systems</i> , <b>2020</b> , 4, 87-95	2.3	6
334	A Parameter-Exempted, High-Performance Power Decoupling Control of Single-Phase Electric Springs. <i>IEEE Access</i> , <b>2020</b> , 8, 33370-33379	3.5	5
333	A Single-Phase On-Board Two-Stage Integrated Battery Charger for EVs Based on a Five-Phase Hybrid-Excitation Flux-Switching Machine. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 3793-3804	6.8	8
332	Predictive current control method for dual three-phase PMSM drives with reduced switching frequency and low-computation burden. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 668-677	1.8	12
331	Torque Production Mechanism of Switched Reluctance Machines With Air-Gap Field Modulation Principle. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1617-1627	5.4	10
330	Optimization of Rotor Salient Pole Reluctance for Typical Field Modulated Electric Machines. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 1-1	5.6	1
329	An Integrated Power Conversion System for Electric Traction and V2G Operation in Electric Vehicles With a Small Film Capacitor. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 5066-5077	7.2	17
328	Dynamic Modeling and Performance Analysis With Iron Saturation for Dual-Stator Brushless Doubly Fed Induction Generator. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 260-270	5.4	7
327	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
326	Effect and Inhibition Method of Armature-Reaction Field on Superconducting Coil in Field-Modulation Superconducting Electrical Machine. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 279-291	5.4	14

325	Optimized SVM and Remedial Control Strategy for Cascaded Current-Source-Converters-Based Dual Three-Phase PMSM Drives System. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 6153-6164	7.2	17
324	Optimization of Torque Tracking Performance for Direct-Torque-Controlled PMSM Drives With Composite Torque Regulator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 10095-10108	8.9	18
323	Analysis of Airgap Field Modulation Principle of Flux Guides. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 4758-4768	4.3	5
322	Compressibility of Different Pore and Fracture Structures and Its Relationship with Heterogeneity and Minerals in Low-Rank Coal Reservoirs: An Experimental Study Based on Nuclear Magnetic Resonance and Micro-CT. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 10894-10903	4.1	8
321	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5385-5395	4.3	4
320	Stability Assessment of Voltage Control Strategies for Smart Transformer-Fed Distribution Grid. <i>IEEE Access</i> , <b>2020</b> , 8, 185146-185157	3.5	1
319	Dual-Objective Control Using an SMC-Based CW Current Controller for Cascaded Brushless Doubly Fed Induction Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 7109-7120	4.3	2
318	Current Optimization-Based Fault-Tolerant Control of Standard Three-Phase PMSM Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 1-1	5.4	4
317	Effects of Magnet Shape on Torque Capability of Surface-Mounted Permanent Magnet Machine for Servo Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2977-2990	8.9	14
316	Topology Analysis, Design, and Comparison of High Temperature Superconducting Double Stator Machine With Stationary Seal. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2020</b> , 30, 1-10	1.8	8
315	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 1824-1835	8.9	12
314	Analysis of Stator Slots and Rotor Pole Pairs Combinations of Rotor-Permanent Magnet Flux-Switching Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 906-918	8.9	11
313	Decoupled Dual-PWM Control for Naturally Commutated Current-Fed Dual-Active-Bridge DC/DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 4246-4259	5.6	6
312	Design and Optimization of a Flux-Modulated Permanent Magnet Motor Based on an Airgap-Harmonic-Orientated Design Methodology. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 5337-5348	8.9	39
311	. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1365-1376	7.2	16
310	A Leakage-Inductor Parameter Compensation Method for Paralleled Current-Fed Isolated DC/DC System. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1160-1164	7.2	5
309	Adaptive Numerical Approach for Optimal Control of a Single Train. <i>Journal of Systems Science and Complexity</i> , <b>2019</b> , 32, 1053-1071	1	6
308	Distributed Cooperative Control for Multiple DC Electric Springs with Novel Topologies Applied in DC Microgrid <b>2019</b> ,		3

307	Regulation Performance of Multiple DC Electric Springs Controlled by Distributed Cooperative System. <i>Energies</i> , <b>2019</b> , 12, 3422	3.1	1
306	A New Zero-Sequence Current Suppression Control Strategy for Five-Phase Open-Winding Fault-Tolerant Fractional-Slot Concentrated Winding IPM Motor Driving System. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 2731-2740	4.3	6
305	Comparison Between Linear Induction Motor and Linear Flux-Switching Permanent-Magnet Motor for Railway Transportation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9394-9405	8.9	51
304	Sliding-mode observer based sensorless vector control of LFSPM motor for long-distance drive system. <i>IET Electric Power Applications</i> , <b>2019</b> , 13, 643-651	1.8	5
303	. <i>IEEE Access</i> , <b>2019</b> , 7, 51129-51139	3.5	14
302	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
301	Sensitivity analysis for an optimal control problem of chemical processes based on a smoothing cost penalty function approach. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 146, 221-238	5.5	4
300	Fuel-optimal control for soft lunar landing based on a quadratic regularization approach. <i>European Journal of Control</i> , <b>2019</b> , 49, 84-93	2.5	1
299	Fast Calculation of Carrier Harmonic Loss in Permanent Magnet of IPMSM Under PWM VSI Supply Over Entire Working Range. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 1581-1592	5.4	13
298	Fault-Tolerant Control of Primary Permanent-Magnet Linear Motors With Single Phase Current Sensor for Subway Applications. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10546-10556	7.2	20
297	Reliability Analysis and Evaluation for Flux-Switching Permanent Magnet Machine. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 1760-1769	8.9	18
296	Finite-Set Model Predictive Power Control of Brushless Doubly Fed Twin Stator Induction Generator. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 2300-2311	7.2	19
295	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 4711-4721	7.2	32
294	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 2628-2638	8.9	44
293	Systematic multi-level optimization design and dynamic control of less-rare-earth hybrid permanent magnet motor for all-climatic electric vehicles. <i>Applied Energy</i> , <b>2019</b> , 253, 113549	10.7	37
292	Analytical Analysis and Performance Characterization of Brushless Doubly Fed Machines With Multibarrier Rotors. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5758-5767	4.3	17
291	A topology of DC electric springs for DC household applications. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1241-1248	12	12
290	Hierarchical Control with Fast Primary Control for Multiple Single-Phase Electric Springs. <i>Energies</i> , <b>2019</b> , 12, 3511	3.1	1



289	Fault Diagnosis of Sensors for T-type Three-Level Inverter-fed Dual Three-Phase Permanent Magnet Synchronous Motor Drives. <i>Power Electronics and Drives</i> , <b>2019</b> , 4, 167-178	0.5	
288	Zero-Voltage-Switching Current-Source-Inverter Motor Drives Based on Silicon Carbide Devices <b>2019</b> ,		2
287	Simplified Model Predictive Current Control of Primary Permanent-Magnet Linear Motor Traction Systems for Subway Applications. <i>Energies</i> , <b>2019</b> , 12, 4144	3.1	5
286	Model predictive virtual power control of brushless doubly-fed induction generator for fast and smooth grid synchronisation. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 3080-3087	2.9	2
285	Synthesis of Airgap Magnetic Field Modulation Phenomena in Electric Machines <b>2019</b> ,		1
284	Analysis of Operation Modes and Grid-Connected Control for the Dual-Stator Brushless Doubly Fed Induction Generator <b>2019</b> ,		1
283	A Robust Grid Synchronization Method for Cascaded Brushless Doubly Fed Induction Generator <b>2019</b> ,		1
282	Optimal impulsive control for advertising strategy problems based on a gradient-based PSO algorithm. <i>Transactions of the Institute of Measurement and Control</i> , <b>2019</b> , 41, 2280-2292	1.8	2
281	A New Double-Sided Linear Flux-Switching Permanent Magnet Motor With Yokeless Mover for Electromagnetic Launch System. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 680-690	5.4	24
280	Analysis and Dynamic Control of a Dual-Stator BDFIG-DC System Supplying DC Grid With Minimized Torque Ripple Through Harmonic Current Injection. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 5388-5399	7.2	9
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275	Design and Analysis of Current Control Methods for Brushless Doubly Fed Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 717-727	8.9	12
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250	SC Parameters Extraction of SiC-MOSFETs and Application in Advanced Gate Drivers <b>2018</b> ,		1
249	Analysis of Airgap Field Modulation Principle of Flux Guides <b>2018</b> ,		1
248	Electromagnetic Performance Comparison between 12- Phase Switched Flux and Surface-Mounted PM Machines for Direct-Drive Wind Power Generation <b>2018</b> ,		3
247	The State of the Art of the Control Strategies for Single-Phase Electric Springs. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2019	2.6	3
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244	Soft-Switching Techniques for Transformerless Photovoltaic Grid-Connected Inverters <b>2018</b> ,		1
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220	Torque/Power Density Optimization of a Dual-Stator Brushless Doubly-Fed Induction Generator for Wind Power Application. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 9864-9875	8.9	23
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208	Novel topology of three-phase electric spring and its control <b>2017</b> ,		1
207	Non-symmetrical permanent-magnet linear motor traction systems for subway applications <b>2017</b> ,		3
206	Capacitor monitoring for modular multilevel converters <b>2017</b> ,		8
205	Control strategy for harmonic elimination in stand-alone dual-stator brushless doubly fed induction generators with nonlinear loads <b>2017</b> ,		1
204	Comparison of modular linear flux-switching permanent magnet motors with different mover and stator pole pitch <b>2017</b> ,		4
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170	Design and analysis of a new five-phase brushless hybrid-excitation fault-tolerant motor for electric vehicles <b>2016</b> ,		2
169	Fault Tolerant Operation of T-NPC Three-Level Asymmetric Six-Phase PMSM Drives Based on Direct Torque Control <b>2016</b> ,		3
168	An interleaved current-fed bidirectional full-bridge DC/DC converter for on-board charger <b>2016</b> ,		4
167	Input-Parallel Output-Series DC/AC Converter for On-Board EV Charger <b>2016</b> ,		2
166	Vector space decomposition based control of neutral-point-clamping (NPC) three-level inverters fed dual three-phase PMSM drives <b>2016</b> ,		7
165	Control of three-phase electric springs used in microgrids under ideal and non-ideal conditions <b>2016</b> ,		5
164	A modular and fault-tolerant linear flux-switching permanent magnet machine with thin yoke <b>2016</b> ,		1

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139	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 289-298	8.9	25
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137	Thermal analysis and cooling system design of flux switching permanent magnet machine <b>2015</b> ,		2
136	Design and manufacturing considerations of flux-switching permanent magnet motors for mass productions used in EVs and HEVs <b>2015</b> ,		2
135	Control and Performance Evaluation of Multiphase FSPM Motor in Low-Speed Region for Hybrid Electric Vehicles. <i>Energies</i> , <b>2015</b> , 8, 10335-10353	3.1	7
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127	Resonance damping in a smart transformer-based microgrid <b>2015</b> ,		7
126	Investigation on phase shift between multiple-winding sets in multiphase flux-switching permanent magnet machines <b>2015</b> ,		5
125	Modeling and Performance Analysis of a Dual-Stator Brushless Doubly Fed Induction Machine Based on Spiral Vector Theory. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 1-1	4.3	2
124	A novel topology and its control of single-phase electric springs <b>2015</b> ,		7
123	Modeling and control of neutral-point-clamping (NPC) three-level inverters fed dual-three phase PMSM drives <b>2015</b> ,		9
122	Mathematical Model of Radial Suspending Force for a New Stator-Permanent Magnet Bearingless Machine. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	12
121	Detection and Discrimination of Open-Phase Fault in Permanent Magnet Synchronous Motor Drive System. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 1-1	7.2	49
120	Sensorless vector control of complementary and modular linear flux-switching permanent magnet motor based on MRAS and SVPWM <b>2015</b> ,		2
119	Speed Control of Complementary and Modular Linear Flux-Switching Permanent-Magnet Motor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 4056-4064	8.9	51
118	Steady-State Analysis of Electric Springs With a Novel $\pi$ Control. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 7159-7169	7.2	79
117	Performance Analysis of a Flux-Concentrating Field-Modulated Permanent-Magnet Machine for Direct-Drive Applications. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-11	2	7
116	Modeling, Analysis, and Design of Multifunction Grid-Interfaced Inverters With Output LCL Filter. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 3830-3839	7.2	87
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96	Fault tolerant control of double-stator-winding PMSM for open phase operation based on asymmetric current injection <b>2014</b> ,		4
95	A new modular and complementary double-sided linear flux-switching permanent magnet motor with yokeless secondary <b>2014</b> ,		6
94	Investigation of an improved hybrid-excitation flux switching brushless machine for HEV/EV applications <b>2014</b> ,		6
93	Magnetic Equivalent Circuit Modeling of Yokeless Axial Flux Permanent Magnet Machine With Segmented Armature. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	27
92	Analysis of Fault Tolerant Control for a Nine-Phase Flux-Switching Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	40

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90	A dual-stator brushless doubly-fed induction motor for EV/HEV applications <b>2014</b> ,		4
89	Rotor Faults Diagnosis in Rotor Field Oriented Controlled Induction Motors Based on Torque Current <b>2014</b> ,		2
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31	PWM modulated three-level single-phase grid-connected PV inverter <b>2011</b> ,		2
30	Optimal control for pitch regulated variable-speed wind turbines with multiple objectives <b>2011</b> ,		1
29	A novel 6k $\pm$ 1 order harmonic repetitive control scheme for CVCF three-phase PWM inverters <b>2011</b> ,		1
28	A hybrid energy source based double-stator permanent magnet brushless motor drive for hybrid electric vehicles <b>2011</b> ,		2
27	An improved coaxial magnetic gear using flux focusing <b>2011</b> ,		11
26	Remedial Brushless AC Operation of Fault-Tolerant Doubly Salient Permanent-Magnet Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2010</b> , 57, 2134-2141	8.9	62
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4	Nonlinear varying-network magnetic circuit analysis for doubly salient permanent-magnet motors. <i>IEEE Transactions on Magnetics</i> , <b>2000</b> , 36, 339-348	2	120
3	Relation between fundamental frequency equivalent impedance and resonant point for thyristor controlled series compensation		2
2	Static characteristics of a new doubly salient permanent magnet motor		1



- 1 Design and analysis of genetic algorithm and BP neural network based PID control for boost converter applied in renewable power generations. *IET Renewable Power Generation*, 2.9 2