

Dianguo Xu

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.

436
papers

6,881
citations

44
h-index

65
g-index

619
ext. papers

9,419
ext. citations

6
avg, IF

6.69
L-index

#	Paper	IF	Citations
436	Phase Current Reconstruction Error Suppression Method for Single DC-Link Shunt PMSM Drives at Low-Speed Region. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 7067-7081	7.2	1
435	Analysis and Design of a Modular Switched Capacitor Converter with Adjustable Output Voltage in DC Microgrid. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	
434	A Hybrid Modular Interline Current Flow Controller for Meshed HVDC Grids. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
433	Online Temperature Identification Strategy for Position Sensorless PMSM Drives With Position Error Adaptive Compensation. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
432	Monopolar Symmetrical DC/DC Converter for All DC Offshore Wind Farms. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4275-4287	7.2	1
431	Simultaneous Wireless Power and Data Transfer: A Comprehensive Review. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 3650-3667	7.2	6
430	A High-Power Step-Up DC/DC Converter Dedicated to DC Offshore Wind Farms. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 65-69	7.2	3
429	A 2.5m Long-Range IPT System Based on Domino Cylindrical Solenoid Coupler Compensated Respectively in Layers. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	2
428	Speed Detection Method at Low-Speed Operation 2022 , 67-87		
427	Initial Position Detection for PMSM Traction Drives 2022 , 39-66		
426	Nonlinear Active Disturbance Rejection Control Strategy for Permanent Magnet Synchronous Motor Drives. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	1
425	A Dual-Loop Position Servo System Based on Position and Speed Parallel Control Structure. <i>IEEE Access</i> , 2022 , 10, 45931-45942	3.5	
424	Analysis and Compensation of Position Estimation Error for Sensorless Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
423	Physical-Layer Secret Key Generation in Power Line Communication Networks. <i>IEEE Access</i> , 2022 , 10, 48539-48550	3.5	0
422	Research on Oscillation Suppression Methods in Shunt Active Power Filter System. <i>Energies</i> , 2022 , 15, 3125	3.1	0
421	Graphical Multiple-Error Feedback Matrix Design for Stability and Robustness Enhancement of Speed-Sensorless Induction Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	1
420	Torque Ripple Compensation with Anti-Overvoltage for Electrolytic Capacitor-less PMSM Compressor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	

4 ¹⁹	Robust Adaptive Resonant Controller for PMSM Speed Regulation Considering Uncertain Periodic and Aperiodic Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	
4 ¹⁸	EMI-Regulated SiC-Based Motor Drives with Markov Chain Pseudo-Random Frequency Space Vector Pulse Width Modulation Strategy. <i>IEEE Transactions on Energy Conversion</i> , 2022 , 1-1	5.4	1
4 ¹⁷	A Novel Optimal Power Allocation Control System with High Convergence Rate for DC Microgrids Cluster. <i>Energies</i> , 2022 , 15, 3994	3.1	0
4 ¹⁶	Convergence Trajectory Optimization of Super-Twisting Sliding-Mode Current Control for Induction Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
4 ¹⁵	Resonance Suppression Between Line Inductor and DC-Link Capacitor 2021 , 53-83		
4 ¹⁴	Impedance Model Based Stability Control 2021 , 85-101		
4 ¹³	Analysis and Suppression of Beat Phenomenon 2021 , 103-121		
4 ¹²	Flux-Weakening Control Method 2021 , 123-146		
4 ¹¹	Motor Loss Based Anti-Overvoltage Control 2021 , 147-187		
4 ¹⁰	Optimized Overmodulation Strategy 2021 , 189-211		
4 ⁰⁹	Trajectory Tracking and Vibration Control of Flexible Beams in Multi-Axis System. <i>IEEE Access</i> , 2021 , 9, 156717-156728	3.5	0
4 ⁰⁸	A Fully Integrated Common-Mode Choke Design Embedded with Differential-Mode Capacitances. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
4 ⁰⁷	An Inverter-Nonlinearity-Immune Offline Inductance Identification Method for PMSM Drives Based on Equivalent Impedance Model. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	1
4 ⁰⁶	Adaptive Iterative Learning Control Based Rotor Position Harmonic Error Suppression Method for Sensorless PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
4 ⁰⁵	A Multi-segment Compensation Method for Improving Power Density of Long-distance IPT System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
4 ⁰⁴	Position and Speed Detection Method Based on Adaptive Extended Moving-Window Linear Regression for Traction Machine Drives. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	0
4 ⁰³	MMC Admittance Model Simplification Based on Signal-Flow Graph. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	2
4 ⁰²	Enhanced ADRC with Quasi-Resonant Control for PMSM Speed Regulation Considering Aperiodic and Periodic Disturbances. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	4

401	Analysis, Design and Optimization of the IPT System with LC Filter Rectifier Featuring High Efficiency. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
400	Crosstalk Suppression Method for GaN-Based Bridge Configuration Using Negative Voltage Self-Recovery Gate Drive. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	1
399	Typical Multi-MHz DCDC Converter. <i>CPSS Power Electronics Series</i> , 2021 , 55-72	0.1	
398	High Bandwidth and High Voltage Hybrid Power Amplifier Design for PHIL 2021 ,		1
397	A Capacitive Energy Transfer DC/DC Converter for HVDC Applications 2021 ,		1
396	Unified Complex Vector Field-Weakening Control for Induction Motor High-Speed Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7000-7011	7.2	5
395	A novel fully distributed fixed-time optimal dispatch of DC multi-microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 129, 106792	5.1	3
394	A Soft-Switching Transformer-Less Step-Down Converter Based on Resonant Current Balance Module. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8206-8218	7.2	2
393	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3693-3706	8.9	4
392	Modular High-Power DCDC Converter for MVDC Renewable Energy Collection Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5875-5886	8.9	3
391	A Monopolar Symmetrical Hybrid Cascaded DC/DC Converter for HVDC Interconnections. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 248-262	7.2	4
390	An Impedance Model-Based Multiparameter Identification Method of PMSM for Both Offline and Online Conditions. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 727-738	7.2	26
389	Torque Ripples Minimization of Sensorless SynRM Drives for Low-Speed Operation Using Bi-HFSI Scheme. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5559-5570	8.9	4
388	Analytical Derivation and Design of 20-MHz DCDC Soft-Switching Resonant Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 210-221	8.9	12
387	The Universality Analysis of Virtual Voltage Injection Method for Different Observers in Speed Sensorless IM Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 2818-2838	5.6	3
386	Analysis and Design of a Simultaneous Wireless Power and Data Transfer System Featuring High Data Rate and Signal-to-Noise Ratio. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10761-10771	8.9	4
385	DC/DC Converter for Bipolar LVdc System With Integrated Voltage Balance Capability. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 5415-5424	7.2	11
384	Adaptive Pseudorandom High-Frequency Square-Wave Voltage Injection Based Sensorless Control for SynRM Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3200-3210	7.2	12

383	DC Solid State Transformer Based on Three-Level Power Module for Interconnecting MV and LV DC Distribution Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1563-1577	7.2	17
382	Analysis and Design of High-Misalignment-Tolerant Compensation Topologies With Constant-Current or Constant-Voltage Output for IPT Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2685-2695	7.2	18
381	Current-Controller-Free Self-Commissioning Scheme for Deadbeat Predictive Control in Parametric Uncertain SPMSM. <i>IEEE Access</i> , 2021 , 9, 289-302	3.5	4
380	Current Reconstruction Considering Time-Sharing Sampling Errors for Single DC-Link Shunt Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 5760-5770	7.2	11
379	Fault Diagnosis of Bearing in Wind Turbine Gearbox Under Actual Operating Conditions Driven by Limited Data With Noise Labels. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	14
378	Modeling and Analysis of Bridge-Leg Crosstalk of GaN HEMT Considering Nonlinear Junction Capacitances. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4429-4439	7.2	5
377	Design and Optimization of an Electric Vehicle Wireless Charging System Using Interleaved Boost Converter and Flat Solenoid Coupler. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3894-3908	7.2	13
376	Topology Analysis and Power Sharing Control of a Two-Stage Three-Port Hybrid Energy Storage Converter for DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 647-665	5.6	2
375	High-Misalignment Tolerant IPT Systems with Solenoid and Double D pads. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
374	Minimum-Nonlinear-Voltage Method for Torque Ripple Suppression in Induction Motor Overmodulation and Field-Weakening Control. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5
373	Improved Winding and Compensation Methods for the Multi-layer Coil in IPT System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
372	Discrete-Time Repetitive Control-Based ADRC for Current Loop Disturbances Suppression of PMSM Drives. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	8
371	Design and Implementation of a High-Power DC/DC Converter for HVDC Interconnections with Wide DC Voltage Range and Fault-Blocking Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	3
370	A Novel Misalignment Tolerant Magnetic Coupler for Electric Vehicle Wireless Charging. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 1-1	2.6	3
369	Analysis and Optimal Design of Mid-Range WPT System Based on Multiple Repeaters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	3
368	Suppression of Beat Phenomenon for Electrolytic Capacitorless Motor Drives Accounting for Sampling Delay of DC Link Voltage. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
367	Reversed-Structure-Based PI-Lead Controller Anti-Windup Design and Self-Commissioning Strategy for Servo Drive Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
366	A DCM High Frequency High Step Up SEPIC-Based Converter with Extended ZVS Range. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	3

365	A Three-Stage-Five-Coil IPT System Based on Cylindrical Solenoid Coupler Applied to State Detection Equipment of HV Device. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	5
364	An Accurate VSI Nonlinearity Modeling and Compensation Method Accounting for DC-link Voltage Variation based on LUT. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5
363	A Modified Modular Multilevel Converter for Motor Drives Capable of High-Torque Operation at Zero/Low Motor Speeds. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 2493-2497	3.5	3
362	Current Vector Angle Adaptive Adjustment Based Rotor Position Offset Error Suppression Method for Sensorless PMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10536-10547	7.2	2
361	A Modified Bi-Quad Filter Tuning Strategy for Mechanical Resonance Suppression in Industrial Servo Drive Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10395-10408	7.2	2
360	Dual-Gap Dual-Pole Composite Machine for Mechanical Rotor Position Estimation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10481-10489	7.2	1
359	High-Efficiency High-Order CL-LLC DC/DC Converter With Wide Input Voltage Range. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10383-10394	7.2	1
358	Position and Speed Detection Method Based on Cross-Decoupling Network Filtering for Gearless Traction Motor Drives at Low-Speed Operation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11862-11874	7.2	2
357	Analysis and Design of a Nonisolated Bidirectional DC/DC Converter Based on CLC Network. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 2, 481-490	2.6	
356	. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 2, 399-408	2.6	
355	Voltage disturbance compensation based on impedance modeling of DFIG under weak grid. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 131, 107062	5.1	1
354	High-Order Terminal Sliding-Mode Observer for Chattering Suppression and Finite-Time Convergence in Sensorless SPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11910-11920	7.2	11
353	Integrated Modulation of Dual-Parallel Three-Level Inverters With Reduced Common Mode Voltage and Circulating Current. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13332-13344	7.2	6
352	Online Estimation Method of DC-Link Capacitors for Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 12196-12201	7.2	3
351	Analysis and Design of a High-Frequency Low-Profile Converter for Bendable Equipment. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 12834-12842	7.2	
350	An Offline Parameter Self-Learning Method Considering Inverter Nonlinearity With Zero-Axis Voltage. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 14098-14109	7.2	4
349	Impedance Analysis and Design of IPT System to Improve System Efficiency and Reduce Output Voltage or Current Fluctuations. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 14029-14038	7.2	5
348	A 10 MHz DC/DC Converter With Zero-Phase Difference Synchronous Driving Signal. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13878-13888	7.2	

347	Overmodulation Index Optimization Method for Torque Quality Improvement in Induction Motor Field-Weakening Control. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11954-11967	8.9	6
346	PCC Voltage Perturbation Path Analysis and Compensation for Grid-Connected Voltage-Source Converter Under Weak Grid. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12331-12339	8.9	7
345	Enhanced Low-Frequency Ride-Through for Speed-Sensorless Induction Motor Drives With Adaptive Observable Margin. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11918-11930	8.9	3
344	Integrated Modulation of Dual-parallel NPC Inverters with Eliminated CMV. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	1
343	Analysis and Design of Cubic Magnetic Coupler for High Distance-to-Diameter Ratio IPT Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	10
342	Hybrid Pseudorandom Signal Injection for Position Sensorless SynRM Drives with Acoustic Noise Reduction. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	4
341	Current Sensor Fault-Tolerant Control Strategy for Encoderless PMSM Drives Based on Single Sliding Mode Observer. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 679-689	7.6	24
340	Low-Noise Initial Position Detection Method for Sensorless Permanent Magnet Synchronous Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13333-13344	7.2	10
339	A Novel Voltage Injection Based Offline Parameters Identification for Current Controller Auto Tuning in SPMSM Drives. <i>Energies</i> , 2020 , 13, 3010	3.1	3
338	Overmodulation Strategy for Electrolytic Capacitorless PMSM Drives: Voltage Distortion Analysis and Boundary Optimization. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9574-9585	7.2	12
337	A Five-Level Space Vector Modulation Scheme for Parallel Operated Three-Level Inverters With Reduced Line Current Distortion. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11235-11249	7.2	5
336	Analysis and Design of an IPT System Based on S/SP Compensation With Improved Output Voltage Regulation. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3256-3266	11.9	12
335	A Complete HSS-Based Impedance Model of MMC Considering Grid Impedance Coupling. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12929-12948	7.2	20
334	Review of very high frequency power converters and related technologies. <i>IET Power Electronics</i> , 2020 , 13, 1711-1721	2.2	6
333	Current and power quality multi-objective control of virtual synchronous generators under unbalanced grid conditions. <i>Journal of Power Electronics</i> , 2020 , 20, 580-589	0.9	2
332	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10444-10454	7.2	6
331	An Envelope-Prediction-Based Sensorless Rotor Position Observation Scheme for LCI-Fed EESM at Zero and Low Speed. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7356-7365	7.2	1
330	Distributed Global Economical Load Sharing for a Cluster of DC Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 3410-3420	7	14

329	Novel High Step-Up Soft-Switching DCDC Converter Based on Switched Capacitor and Coupled Inductor. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9471-9481	7.2	21
328	Analysis and Optimization of Current Dynamic Control in Induction Motor Field-Weakening Region. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8860-8866	7.2	5
327	Resonance Suppression and EMI Reduction of GaN-Based Motor Drive With Sine Wave Filter. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 2741-2751	4.3	11
326	Real-time online optimal control of current-fed dual active bridges based on machine learning. <i>Journal of Power Electronics</i> , 2020 , 20, 43-52	0.9	5
325	Implementation of Five-Level DPWM on Parallel Three-Level Inverters to Reduce Common-Mode Voltage and AC Current Ripples. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 4017-4027	4.3	7
324	An FDM-Based Simultaneous Wireless Power and Data Transfer System Functioning With High-Rate Full-Duplex Communication. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6370-6381	11.9	15
323	Decoupled Modulation Scheme for Modular Multilevel Converters in Medium-Voltage Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11430-11441	7.2	3
322	Stability and Dynamic Performance Improvement of Speed Adaptive Full-Order Observer for Sensorless Induction Motor Ultralow Speed Operation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12522-12532	7.2	8
321	Optimized Anti-Windup Coordinating Strategy for Torque-maximized High-Speed Flux-weakening Operation of Constrained Induction Motor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	3
320	Discrete Super-Twisting Sliding Mode Current Controller for Induction Motor Drives 2020 ,		1
319	A Particle Swarm Optimization (PSO)-based Tuning Method for LC/CL-compensated Capacitive Power Transfer Systems 2020 ,		1
318	An Optimization Control Method for Instantaneous Current Suppression of Dual Buck LED Driver 2020 ,		1
317	Pseudo-Random-Frequency Signal Injection for Acoustic Reduction 2020 , 81-121		
316	Practical Issues of Sensorless Control for PMSM Drives 2020 , 281-295		
315	Saliency-Tracking-Based Sensorless Control for PMSM Drives 2020 , 37-80		0
314	Enhanced FRT and Postfault Recovery Control for MMC-HVDC Connected Offshore Wind Farms. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1606-1617	7	17
313	Applying Directly Modified RDFT Method in Active Power Filter for the Power Quality Improvement of the Weak Power Grid. <i>Energies</i> , 2020 , 13, 4884	3.1	4
312	Analysis and Design of a Class E Type High Frequency DCDC Converter Based on Resonant Driving Circuit. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2020 , 1, 138-147	3.6	2

311	Fully Distributed Controller for Economic Load Sharing of DC Microgrid Clusters 2020 ,		1
310	A review of high frequency resonant DC-DC power converters: Topologies and planar magnetic technologies. <i>Science China Technological Sciences</i> , 2020 , 63, 1335-1347	3.5	1
309	A Novel AC/DC Converter Based on Stacked Boost Circuit and Dual-Mode LLC Circuit. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6576-6585	4.3	3
308	A Symmetrical Control Method for Grid-Connected Converters to Suppress the Frequency Coupling Under Weak Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13488-13499	7.2	11
307	Distributed Economic Dispatch for Islanded DC Microgrids Based on Finite-Time Consensus Protocol. <i>IEEE Access</i> , 2020 , 8, 192457-192468	3.5	2
306	A Fully Distributed Fixed-Time Secondary Controller for DC Microgrids. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 6586-6597	4.3	7
305	A Review of High Frequency Power Converters and Related Technologies. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2020 , 1, 247-260	3.6	10
304	Generalized Impedance Analysis and New Sight at Damping Controls for Wind Farm Connected MMC-HVdc. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 1-1	5.6	10
303	. <i>IEEE Access</i> , 2020 , 8, 213758-213771	3.5	3
302	Interface Algorithm Design for Power Hardware-in-the-loop Emulation of Modular Multilevel Converter Within High-Voltage Direct Current Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 1-1	8.9	1
301	Decoupled Stator Resistance Estimation for Speed-Sensorless Induction Motor Drives Considering Speed and Load Torque Variations. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1193-1207	5.6	7
300	Operating-Point Tracking Method for Sensorless Induction Motor Stability Enhancement in Low-Speed Regenerating Mode. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3386-3397	8.9	9
299	A 20 MHz Low-Profile DCDC Converter With Magnetic-Free Characteristics. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 1555-1567	8.9	11
298	A High Step Up SEPIC-Based Converter Based on Partly Interleaved Transformer. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 1455-1465	8.9	14
297	Current Sensor Fault-Tolerant Control for Encoderless IPMSM Drives Based on Current Space Vector Error Reconstruction. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3658-3668	5.6	14
296	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2642-2654	8.9	8
295	A Hybrid Modular DC/DC Converter for HVDC Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3377-3389	7.2	6
294	Motor Speed Signature Analysis for Local Bearing Fault Detection With Noise Cancellation Based on Improved Drive Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4172-4182	8.9	13

293	An Antiovervoltage Control Scheme for Electrolytic Capacitorless IPMSM Drives Based on Stator Current Vector Orientation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3517-3527	8.9	6
292	Dual Antiovervoltage Control Scheme for Electrolytic Capacitorless IPMSM Drives With Coefficient Autoregulation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2895-2907	7.2	5
291	An Improved Active Crosstalk Suppression Method for High-Speed SiC MOSFETs. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7736-7744	4.3	14
290	Pseudorandom-Frequency Sinusoidal Injection for Position Sensorless IPMSM Drives Considering Sample and Hold Effect. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9929-9941	7.2	12
289	Pseudorandom-Frequency Sinusoidal Injection Based Sensorless IPMSM Drives With Tolerance for System Delays. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3623-3632	7.2	21
288	Impedance Based Stabilization Control Method for Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9879-9890	7.2	8
287	Cooperative path planning of multiple autonomous underwater vehicles operating in dynamic ocean environment. <i>ISA Transactions</i> , 2019 , 94, 174-186	5.5	25
286	Current Sensor Fault Diagnosis and Fault-Tolerant Control for Encoderless PMSM Drives Based on Dual Sliding-Mode Observers 2019 ,		6
285	Extended quasi-Y-source inverter with suppressed inrush and leakage effects. <i>IET Power Electronics</i> , 2019 , 12, 719-728	2.2	6
284	A High-Frequency High Voltage Gain Modified SEPIC With Integrated Inductors. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 7481-7490	4.3	7
283	Operating Point Selected Flux-Weakening Control of Induction Motor for Torque-Improved High-Speed Operation Under Multiple Working Conditions. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 12011-12023	7.2	6
282	A Disturbance Rejection Control Strategy for Droop-Controlled Inverter Based on Super-Twisting Algorithm. <i>IEEE Access</i> , 2019 , 7, 27037-27046	3.5	12
281	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 3747-3758	4.3	26
280	Soft-Switching Bidirectional DC/DC Converter With an LCLC Resonant Circuit. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 851-864	5.6	13
279	Hardware Decoupling and Autonomous Control of Series-Resonance-Based Three-Port Converters in DC Microgrids. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 3901-3914	4.3	10
278	Offline Parameter Self-Learning Method for General-Purpose PMSM Drives With Estimation Error Compensation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11103-11115	7.2	49
277	Stable Operation Method for Speed Sensorless Induction Motor Drives at Zero Synchronous Speed With Estimated Speed Error Compensation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11454-11466	7.2	8
276	A Novel Single Switch High-Frequency DC/DC Converter and Its Mathematical Model. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 3877-3888	4.3	4

275	A New Frequency Control Strategy in an Islanded Microgrid Using Virtual Inertia Control-Based Coefficient Diagram Method. <i>IEEE Access</i> , 2019 , 7, 16979-16990	3.5	47
274	Sensorless Control Scheme of IPMSMs Using HF Orthogonal Square-Wave Voltage Injection Into a Stationary Reference Frame. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2573-2584	7.2	43
273	Inductor Current Feedback Active Damping Method for Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4558-4568	7.2	10
272	A Single-Stage LED Driver Based on Half-Bridge $\text{\$CLCL\$}$ Resonant Converter and BuckBoost Circuit. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 196-208	5.6	15
271	A Single Switch Quadratic Boost High Step Up DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4387-4397	8.9	64
270	A High-Performance Impedance-Source Converter With Switched Inductor. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3384-3396	7.2	11
269	A Novel Unsymmetrical Coupling Structure Based on Concentrated Magnetic Flux for High-Misalignment IPT Applications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3110-3123	7.2	27
268	Novel Hybrid DC/DC Converter Topology for HVDC Interconnections. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5131-5146	7.2	18
267	High Step-Up Y-Source Inverter With Reduced DC-Link Voltage Spikes. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5487-5499	7.2	18
266	A Sensorless Rotor Position Estimation Method Based on the Field Current Harmonic for an LCI-Fed EESM. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2561-2569	8.9	0
265	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3422-3426	8.9	13
264	Capacitance Reduction of the Hybrid Modular Multilevel Converter by Decreasing Average Capacitor Voltage in Variable-Speed Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1580-1594	7.2	15
263	Adaptive Cooperative Non-Orthogonal Multiple Access-Based Power Line Communication. <i>IEEE Access</i> , 2019 , 7, 73856-73869	3.5	7
262	A New Droop Coefficient Design Method for Accurate Power-Sharing in VSC-MTDC Systems. <i>IEEE Access</i> , 2019 , 7, 47605-47614	3.5	16
261	High Frequency Torque Ripple Suppression for High Frequency Signal Injection Based Sensorless Control of SynRMs 2019 ,		2
260	Voltage Redistribution-Based Anti-Windup Scheme for Induction Motor Current Controller in the Field-Weakening Region 2019 ,		2
259	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5445-5454	4.3	5
258	Improved Grid-Side Current Control of LCL-Filtered Grid-Tied Inverters Under Weak Grid Conditions 2019 ,		1

257	A Family of Low-Spike High-Efficiency Y-Source Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9288-9300	8.9	8
256	A Moderate Online Servo Controller Parameter Self-Tuning Method via Variable-Period Inertia Identification. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 12165-12180	7.2	15
255	Current Sharing Behavior of Parallel Connected Silicon Carbide MOSFETs Influenced by Parasitic Inductance 2019 ,		4
254	A Networking Method for Power Line Communication Based on Stereo Mesh Network 2019 ,		1
253	Analysis, design and evaluation of a zero-voltage-switching non-resonant converter for IPT applications. <i>IET Power Electronics</i> , 2019 , 12, 2599-2607	2.2	
252	Design of a Constant-voltage Output Wireless Power Transfer Device 2019 ,		2
251	A Rotor Position Detection Method at High Speed for Electrically Excited Synchronous Motor 2019 ,		1
250	Position Error Fluctuation Elimination for Model-Based Self-Sensing IPMSM Drives Incorporating ROGI Decoupling Network 2019 ,		1
249	Design of a Wireless Power Transfer System Based on Dual-Class E Self-Resonant Synchronous Rectifier 2019 ,		1
248	A Transformerless Hybrid Modular Step-up DC/DC Converter for Bipolar and Symmetrical Monopolar HVDC Interconnection 2019 ,		4
247	Performance Improvement for PMSM Drives with Internal Model Based State Feedback Control Strategy 2019 ,		1
246	Design of Full-order Observer for PMSM Based on Current Prediction Model 2019 ,		1
245	Efficiency-based design optimisation of a double-sided LCL compensated wireless power transfer system. <i>IET Power Electronics</i> , 2019 , 12, 2436-2446	2.2	4
244	A Comparison Study between Flat Solenoid Coupler and Planar Square Coupler for WPT Systems 2019 ,		2
243	Passivity Based Damping Design for Grid-Connected Converter With Improved Stability. <i>IEEE Access</i> , 2019 , 7, 185168-185178	3.5	7
242	A Five-Level Discontinuous SVPWM for Parallel Three-Level Inverters to Reduce Common Mode Voltage and Output Current Ripples 2019 ,		1
241	Impedance Modeling and SSR Analysis of DFIG Using Complex Vector Theory. <i>IEEE Access</i> , 2019 , 7, 155860-155870	3.5	7
240	Optimized Flux-Weakening Control with Virtue Voltage Buffer for Saturated High-Speed Induction Motor Drives 2019 ,		2

239	A Modified Full-Band Adjustable Bi-Quad Filter for Mechanical Resonance Suppression in Industrial Servo Drive Systems 2019 ,		2
238	An Integral Sliding Mode Back-EMF Observer for Position-Sensorless Permanent Magnet Synchronous Motor Drives 2019 ,		1
237	A Distributed Fixed-Time Secondary Controller for DC Microgrids 2019 ,		2
236	A Unified Modeling Method of Photovoltaic Generation Systems Under Balanced and Unbalanced Voltage Dips. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1764-1774	8.2	14
235	A High-Performance Isolated High-Frequency Converter With Optimal Switch Impedance. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5165-5176	8.9	7
234	Analysis, Design, and Implementation of a Wireless Power and Data Transmission System Using Capacitive Coupling and Double-Sided LCC Compensation Topology. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 541-551	4.3	28
233	Beat Phenomenon Suppression for Reduced DC-Link Capacitance IPMSM Drives With Fluctuated Load Torque. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8334-8344	8.9	10
232	Saliency-Based Sensorless Control for SynRM Drives With Suppression of Position Estimation Error. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5839-5849	8.9	21
231	Modified SEPIC Converter With High Voltage Gain and ZVS Characteristics. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1860-1864	3.5	2
230	Maximum Torque Analysis and Extension in Six-Step Mode-Combined Field-Weakening Control for Induction Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9129-9138	8.9	17
229	Enhanced Flux-Weakening Control Method for Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7788-7799	7.2	16
228	Observability Analysis for Speed Sensorless Induction Motor Drives With and Without Virtual Voltage Injection. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9236-9246	7.2	13
227	A Single-Stage LED Driver Based on Flyback and Modified Class-E Resonant Converters With Low-Voltage Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8463-8473	8.9	21
226	A DDS-Based Wait-Free Phase-Continuous Carrier Frequency Modulation Strategy for EMI Reduction in FPGA-Based Motor Drive. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9619-9631	7.2	10
225	Generalized Single-Phase Harmonic State Space Modeling of the Modular Multilevel Converter With Zero-Sequence Voltage Compensation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6416-6426	8.9	22
224	Particle Swarm Optimization-Based Parameter Design Method for S/CLC-Compensated IPT Systems Featuring High Tolerance to Misalignment and Load Variation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5268-5282	7.2	30
223	A Family of Y-Source DC/DC Converter Based on Switched Inductor. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 1587-1597	4.3	14
222	Seamless Transfer Scheme With Unified Control Core for Paralleled Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6286-6298	7.2	5

221	Enhanced Linear ADRC Strategy for HF Pulse Voltage Signal Injection-Based Sensorless IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 514-525	7.2	90
220	Analysis of Oscillation Frequency Deviation in Elastic Coupling Digital Drive System and Robust Notch Filter Strategy. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 90-101	8.9	25
219	Rotor Position Estimation of PMSM in Low-Speed Region and Standstill Using Zero-Voltage Vector Injection. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7948-7958	7.2	52
218	Single-Stage Bridgeless LED Driver Based on a CLCL Resonant Converter. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 1832-1841	4.3	23
217	Analysis and Design of a 1-MHz Single-Switch DCDC Converter With Small Winding Resistance. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7805-7817	8.9	7
216	Fault-Tolerant Control of Medium-Voltage Modular Multilevel Converters With Minimum Performance Degradation Under Submodule Failures. <i>IEEE Access</i> , 2018 , 6, 11772-11781	3.5	32
215	A Temperature-Dependent SiC MOSFET Modeling Method Based on MATLAB/Simulink. <i>IEEE Access</i> , 2018 , 6, 4497-4505	3.5	15
214	High-Frequency Voltage-Injection Methods and Observer Design for Initial Position Detection of Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7971-7979	7.2	23
213	Analysis of Frequency Characteristics of the Half-Bridge CLCL Converter and Derivative Topologies. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7741-7752	8.9	8
212	Research on the Parameter Optimization of Electronic Ballast for UV-Lamps Considering Its Lifetime and UVC Irradiance. <i>IEEE Access</i> , 2018 , 6, 11931-11939	3.5	4
211	Analysis and Suppression of Circulating Current Caused by Carrier Phase Difference in Parallel Voltage Source Inverters With SVPWM. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 11007-11020	7.2	29
210	Gear Fault Diagnosis Based on Dual Parameter Optimized Resonance-Based Sparse Signal Decomposition of Motor Current. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3782-3792	4.3	23
209	A Two-Stage Quasi-Resonant Dual-Buck LED Driver With Digital Control Method. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 787-795	4.3	14
208	Active Disturbance Rejection Control Strategy for Signal Injection-Based Sensorless IPMSM Drives. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 330-339	7.6	47
207	A series-resonance-based three-port converter with unified autonomous control method in DC microgrids 2018 ,		4
206	Frequency Division Based Coordinated Control of Three-Port Converter Interfaced Hybrid Energy Storage Systems in Autonomous DC Microgrids. <i>IEEE Access</i> , 2018 , 6, 25389-25398	3.5	10
205	Decoupled modeling and control of the modular multilevel converter 2018 ,		3
204	A Family of High Step-Up Coupled-Inductor Impedance-Source Inverters With Reduced Switching Spikes. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9116-9121	7.2	24

203	An Improved Single-Machine Equivalent Method of Wind Power Plants by Calibrating Power Recovery Behaviors. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4371-4381	7	26
202	Sensorless Control of IPMSM Drives Using a Pseudo-Random Phase-Switching Fixed-Frequency Signal Injection Scheme. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7660-7671	8.9	31
201	A Modified Single-Phase Transformerless Y-Source PV Grid-Connected Inverter. <i>IEEE Access</i> , 2018 , 6, 18561-18569	3.5	10
200	An Improved Feedforward Control Method Considering PLL Dynamics to Improve Weak Grid Stability of Grid-Connected Inverters. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5143-5151	4.3	90
199	A Single-Stage LED Driver With High-Performance Primary-Side-Regulated Characteristic. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 76-80	3.5	15
198	An LC/S Compensation Topology and Coil Design Technique for Wireless Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2007-2025	7.2	97
197	Static-Errorless Deadbeat Predictive Current Control Using Second-Order Sliding-Mode Disturbance Observer for Induction Machine Drives. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2395-2403	7.2	68
196	Inverter Power Control Based on DC-Link Voltage Regulation for IPMSM Drives Without Electrolytic Capacitors. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 558-571	7.2	48
195	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4238-4248	7.2	68
194	A High-Frequency CLCL Converter Based on Leakage Inductance and Variable Width Winding Planar Magnetics. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 280-290	8.9	20
193	An Active Damping Control Method for Reduced DC-Link Capacitance IPMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2057-2068	8.9	20
192	A Practical Equivalent Method for DFIG Wind Farms. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 610-620	8.2	46
191	Analysis and Design of an S/SP Compensated IPT System to Minimize Output Voltage Fluctuation Versus Coupling Coefficient and Load Variation. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 9262-9272	6.8	35
190	Network Performance Optimization for Low-Voltage Power Line Communications. <i>Energies</i> , 2018 , 11, 1266	3.1	4
189	Active Disturbance Rejection Control of LCL-Filtered Grid-Connected Inverter Using Pad $\hat{\square}$ Approximation. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 6179-6189	4.3	46
188	A Novel Demodulation Method Based High-Frequency Signal Injection for Sensorless SPMSM Control Considering Cross-Saturation Effect 2018 ,		1
187	Soft-switching Characteristics Analysis Based on LLC Resonant Converter 2018 ,		2
186	Optimal Sizing of Distributed Generations in DC Microgrids With Comprehensive Consideration of System Operation Modes and Operation Targets. <i>IEEE Access</i> , 2018 , 6, 31129-31140	3.5	30

185	Analysis, Design, and Optimization of LC/S Compensation Topology With Excellent Load-Independent Voltage Output for Inductive Power Transfer. <i>IEEE Transactions on Transportation Electrification</i> , 2018 , 4, 767-777	7.6	23
184	LC/CL compensation topology and efficiency-based optimisation method for wireless power transfer. <i>IET Power Electronics</i> , 2018 , 11, 1029-1037	2.2	19
183	Flux-Weakening Control for Induction Motor in Voltage Extension Region: Torque Analysis and Dynamic Performance Improvement. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3740-3751	8.9	40
182	Multi-objective energy management system for DC microgrids based on the maximum membership degree principle. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 668-678	4	16
181	A Novel Parameter Tuning Method for a Double-Sided LCL Compensated WPT System With Better Comprehensive Performance. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8525-8536	7.2	65
180	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7927-7937	7.2	35
179	Analysis and Design of High-Frequency Converter With Resistive Matching Network and Spiral Inductor. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5062-5075	7.2	9
178	Comparative Study of the Active and Passive Circulating Current Suppression Methods for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1878-1883	7.2	21
177	A Speed Adaptive Scheme-Based Full-Order Observer for Sensorless Induction Motor Drives in Low-Speed Regenerating Operation Range 2018 ,		4
176	Optimal Sizing of Distributed Generations in DC Microgrids with Lifespan Estimated Model of Batteries 2018 ,		3
175	DTP-PMSM Drive with Proportional Resonant Regulator and Dual Zero Injection PWM Control Method 2018 ,		2
174	Analysis and Design of Position and Velocity Estimation Scheme for PM Servo Motor Drive with Binary Hall Sensors 2018 ,		2
173	Improved Virtual Inductance Based Control Strategy of DFIG under Weak Grid Condition 2018 ,		3
172	Optimized Flux-Weakening Control of Induction Motor for Torque Enhancement in Voltage Extension Region 2018 ,		2
171	GaN HEMT Driving Scheme of Totem-Pole Bridgeless PFC Converter 2018 ,		1
170	An SoC-based platform for integrated multi-axis motion control and motor drive 2018 ,		1
169	A High Frequency High Voltage Gain Coupled-Inductor Boost Circuit based on Planar Component 2018 ,		2
168	Design and Research of Servo Drive System Based on GaN Power Device 2018 ,		1

167	Capacitor Voltage Ripple Reduction of Hybrid Modular Multilevel Converter Based on Third-Harmonic Injection 2018 ,		1
166	Maximum Torque Increase and Performance Optimization for Induction Motor Field-Weakening Control 2018 ,		1
165	An Algorithm for Online Inertia Identification and Load Torque Observation via Adaptive Kalman Observer-Recursive Least Squares. <i>Energies</i> , 2018 , 11, 778	3.1	12
164	Fault Diagnosis Method of Current Sensor for Permanent Magnet Synchronous Motor Drives 2018 ,		7
163	Guest Editorial Special Section on Emerging Topics in Lighting. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1104-1105	5.6	
162	A Novel Integrated Identification Method of Model Structure and Parameters for Drive System 2018 ,		2
161	A hardware decoupling method for series-resonance-based isolated three-port DC/DC converters 2018 ,		2
160	Modified parameter tuning method for LCL/P compensation topology featured with load-independent and LCT-unconstrained output current. <i>IET Power Electronics</i> , 2018 , 11, 1483-1491	2.2	12
159	Comparative Investigation of Pseudorandom High-Frequency Signal Injection Schemes for Sensorless IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2123-2132	7.2	76
158	A half-bridge resonant DC/DC converter with satisfactory soft-switching characteristics. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 120-132	2	3
157	Control of Parallel Three-Phase PWM Converters Under Generalized Unbalanced Operating Conditions. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3206-3215	7.2	25
156	A 1 MHz Half-Bridge Resonant DC/DC Converter Based on GaN FETs and Planar Magnetics. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2876-2891	7.2	42
155	Flux Immunity Robust Predictive Current Control With Incremental Model and Extended State Observer for PMSM Drive. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 9267-9279	7.2	106
154	Discrete-Time Low-Frequency-Ratio Synchronous-Frame Full-Order Observer for Position Sensorless IPMSM Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 5, 870-879	5.6	30
153	S/CLC Compensation Topology Analysis and Circular Coil Design for Wireless Power Transfer. <i>IEEE Transactions on Transportation Electrification</i> , 2017 , 3, 496-507	7.6	61
152	Weight-transducerless control strategy based on active disturbance rejection theory for gearless elevator drives. <i>IET Electric Power Applications</i> , 2017 , 11, 289-299	1.8	12
151	Low-Frequency Pulse Voltage Injection Scheme-Based Sensorless Control of IPMSM Drives for Audible Noise Reduction. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8415-8426	8.9	39
150	Analysis and Design of a High-Frequency DC/DC Converter Based on a Resonant Rectifier. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8492-8503	8.9	12

149	Control of the hybrid modular multilevel converter in motor drive applications 2017 ,		4
148	High-efficiency magnetic coupling resonant wireless power transfer system with class-e amplifier and class-e rectifier 2017 ,		3
147	Throughput optimization of the improved p-CSMA protocol in PLC network 2017 ,		3
146	A Double-T-Type Compensation Network and Its Tuning Method for IPT System. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 4757-4767	4.3	15
145	Precharge strategies for isolated modular DC-DC converters under two different start-up conditions 2017 ,		1
144	Saliency-based position sensorless control methods for PMSM drives - A review. <i>Chinese Journal of Electrical Engineering</i> , 2017 , 3, 14-23	4	20
143	A robust predictive current controller with incremental model and inductance observer for PMSM drive 2017 ,		4
142	Robust Predictive Current Control With Online Disturbance Estimation for Induction Machine Drives. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4663-4674	7.2	51
141	Asymmetric Mode Control of MMC to Suppress Capacitor Voltage Ripples in Low-Frequency, Low-Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4219-4230	7.2	22
140	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4619-4630	7.2	69
139	Square-Wave Voltage Injection Algorithm for PMSM Position Sensorless Control With High Robustness to Voltage Errors. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 5425-5437	7.2	75
138	An Enhanced Dual Droop Control Scheme for Resilient Active Power Sharing Among Paralleled Two-Stage Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6091-6104	7.2	19
137	A Single-Stage LED Driver Based on SEPIC and LLC Circuits. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5766-5776	8.9	39
136	Single-stage QR ACDC converter based on buckBoost and flyback circuits. <i>IET Power Electronics</i> , 2017 , 10, 103-111	2.2	8
135	A dynamic wireless power transfer system with parallel transmitters 2017 ,		5
134	Back-to-back hybrid modular multilevel converters for ac motor drive 2017 ,		3
133	Capacitor voltage balancing control for series MMC tap 2017 ,		2
132	2017 ,		6

131	A novel algorithm for on-line inertia identification via adaptive recursive least squares 2017 ,		1
130	Analysis and design of an LCC/S compensated resonant converter for inductively coupled power transfer 2017 ,		11
129	Suppression of mechanical resonance in digital servo system considering oscillation frequency deviation 2017 ,		1
128	A novel modulation and demodulation method for wireless power and data transmission 2017 ,		2
127	Dynamic Resonance Analysis and Oscillation Damping of Multiterminal DC Grids. <i>IEEE Access</i> , 2017 , 5, 16974-16984	3.5	19
126	A new MAC protocol design based on time period for PLC network 2017 ,		2
125	High efficiency remanufacturing of induction motors with interior permanent-magnet rotors and synchronous-reluctance rotors 2017 ,		7
124	A Novel Filtering Method Based on a Nonlinear Tracking Differentiator for the Speed Measurement of Direct-drive Permanent Magnet Traction Machines. <i>Journal of Power Electronics</i> , 2017 , 17, 358-367	0.9	3
123	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 808-820	8.9	29
122	Weight-Transducerless Rollback Mitigation Adopting Enhanced MPC With Extended State Observer for Direct-Drive Elevators. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4440-4451	7.2	26
121	Inverter Nonlinear Error Compensation Using Feedback Gains and Self-Tuning Estimated Current Error in Adaptive Full-Order Observer. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 472-482	4.3	15
120	Pseudo-Random High-Frequency Square-Wave Voltage Injection Based Sensorless Control of IPMSM Drives for Audible Noise Reduction. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7423-7433	8.9	69
119	A novel direct predictive speed and current controller for PMSM drive 2016 ,		1
118	A Single-Stage LED Driver Based on Double LLC Resonant Tanks for Automobile Headlight With Digital Control. <i>IEEE Transactions on Transportation Electrification</i> , 2016 , 2, 357-368	7.6	28
117	Droop Control With Improved Disturbance Adaption for a PV System With Two Power Conversion Stages. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6073-6085	8.9	38
116	Shaft Torque Limiting Control Using Shaft Torque Compensator for Two-Inertia Elastic System With Backlash. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016 , 21, 2902-2911	5.5	23
115	ADALINE-Network-Based PLL for Position Sensorless Interior Permanent Magnet Synchronous Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1450-1460	7.2	148
114	Robustness Improvement of Speed Estimation in Speed-Sensorless Induction Motor Drives. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2525-2536	4.3	33

113	A Single-Stage Single-Switch LED Driver Based on Class-E Converter. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2618-2626	4.3	36
112	An Improved Distributed Secondary Control Method for DC Microgrids With Enhanced Dynamic Current Sharing Performance. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 6658-6673	7.2	181
111	Multiple-AVF Cross-Feedback-Network-Based Position Error Harmonic Fluctuation Elimination for Sensorless IPMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 821-831	8.9	43
110	Zero Stator Current Frequency Operation of Speed-Sensorless Induction Motor Drives Using Stator Input Voltage Error for Speed Estimation. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 1490-1498	8.9	20
109	Speed-Sensorless Induction Machine Control in the Field-Weakening Region Using Discrete Speed-Adaptive Full-Order Observer. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5759-5773	7.2	44
108	A CLCL Resonant DC/DC Converter for Two-Stage LED Driver System. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2883-2891	8.9	63
107	Design Method of Adaptive Full Order Observer With or Without Estimated Flux Error in Speed Estimation Algorithm. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2609-2626	7.2	57
106	Synchronous Switching of Non-Line-Start Permanent Magnet Synchronous Machines From Inverter to Grid Drives. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3717-3727	7.2	6
105	A Single-Stage Single-Switch LED Driver Based on the Integrated SEPIC Circuit and Class-E Converter. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5814-5824	7.2	37
104	Feature Selection of Power Quality Disturbance Signals with an Entropy-Importance-Based Random Forest. <i>Entropy</i> , 2016 , 18, 44	2.8	15
103	A Permutation Importance-Based Feature Selection Method for Short-Term Electricity Load Forecasting Using Random Forest. <i>Energies</i> , 2016 , 9, 767	3.1	44
102	The existence of periodic solutions for coupled pantograph Rayleigh system. <i>Mathematical Methods in the Applied Sciences</i> , 2016 , 39, 1667-1679	2.3	5
101	Analysis and design of planar inductor and transformer for resonant converter 2016 ,		4
100	A series HVDC power tap using modular multilevel converters 2016 ,		6
99	Synchronous switching of non-line-start permanent magnet synchronous machines between inverter and grid drives 2016 ,		1
98	A sensorless rotor position detection method based on field current pulsation for high power synchronous motors 2016 ,		2
97	A comparative study on pulse sinusoidal high frequency voltage injection and INFORM methods for PMSM position sensorless control 2016 ,		2
96	Dynamic modeling and optimal control for hybrid electric vehicle drivetrain 2016 ,		2

95	An Improved Circulating Current Injection Method for Modular Multilevel Converters in Variable-Speed Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7215-7225	8.9	104
94	Control and Analysis of the Modular Multilevel DC De-Icer With STATCOM Functionality. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5465-5476	8.9	19
93	Research on soft starting control strategy for LCI-fed synchronous motor 2016 ,		1
92	High power factor control of IPMSM drive system without electrolytic capacitor 2016 ,		1
91	Power Quality Disturbances Recognition Based on a Multiresolution Generalized S-Transform and a PSO-Improved Decision Tree. <i>Energies</i> , 2015 , 8, 549-572	3.1	29
90	A Modified Modular Multilevel Converter With Reduced Capacitor Voltage Fluctuation. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6108-6119	8.9	60
89	Maximum Efficiency Per Ampere Control of Permanent-Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 2135-2143	8.9	91
88	Sensorless robust predictive current control for induction motor using a speed adaptive full-order observer 2015 ,		5
87	A seamless switching control strategy of photovoltaic units in droop-controlled DC microgrids 2015 ,		4
86	Vibration Suppression With Shaft Torque Limitation Using Explicit MPC-PI Switching Control in Elastic Drive Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6855-6867	8.9	33
85	Suppression of mechanical resonance using torque disturbance observer for two-inertia system with backlash 2015 ,		6
84	. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 849-859	7.2	51
83	Synchronization of delayed coupled reaction-diffusion systems on networks. <i>Mathematical Methods in the Applied Sciences</i> , 2015 , 38, 2216-2228	2.3	11
82	A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM With Star Configuration. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1189-1202	7.2	75
81	Closed-Loop Precharge Control of Modular Multilevel Converters During Start-Up Processes. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 524-531	7.2	50
80	Analysis of the Phase-Shifted Carrier Modulation for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 297-310	7.2	223
79	Three-level APF control strategy based on the double sampling timing comparison 2015 ,		1
78	A Novel Dead-Time Compensation Method for Direct Predictive Control 2015 ,		1

77	Antirollback Control for Gearless Elevator Traction Machines Adopting Offset-Free Model Predictive Control Strategy. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6194-6203	8.9	17
76	A Single-Stage LED Driver Based on Interleaved BuckBoost Circuit and LLC Resonant Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 732-741	5.6	55
75	Offline inductance identification of PMSM with adaptive inverter nonlinearity compensation 2015 ,		7
74	Comparative study of the sinusoidal-wave and square-wave circulating current injection methods for low-frequency operation of the modular multilevel converters 2015 ,		11
73	A downhole multi-parameter monitoring system for electrical submersible pump 2015 ,		2
72	Mechanical resonance suppression in servo system based on the fractional order low-pass filter 2015 ,		1
71	Evaluation of Improved SMO Control of SPMSM under DTC Scheme 2015 ,		1
70	Seamless Transition Control for Modular Multilevel Converters When Inserting a Cold-Reserve Redundant Submodule. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 4052-4057	7.2	58
69	Comments on Antiwindup Strategy for PI-Type Speed Controller <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1329-1332	8.9	10
68	A High-Reliability and Determinacy Architecture for Smart Substation Process-Level Network Based on Cobweb Topology. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 842-850	4.3	24
67	Self-Commissioning of Permanent Magnet Synchronous Machine Drives at Standstill Considering Inverter Nonlinearities. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6615-6627	7.2	70
66	Start-up control with constant precharge current for the modular multilevel converter 2014 ,		2
65	Prototype design and experimental verification of modular multilevel converter based back-to-back system 2014 ,		3
64	Weight-Transducerless Starting Torque Compensation of Gearless Permanent-Magnet Traction Machine for Direct-Drive Elevators. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4594-4604	8.9	16
63	Fast identification of resonance characteristic for 2-mass system with elastic load 2014 ,		4
62	Enhanced Position Observer Using Second-Order Generalized Integrator for Sensorless Interior Permanent Magnet Synchronous Motor Drives. <i>IEEE Transactions on Energy Conversion</i> , 2014 , 29, 486-495	5.4	75
61	A novel control method for individual DC voltage balancing in h-bridge cascaded STATCOM 2014 ,		1
60	Investigation of d - and q -Axis Inductances Influenced by Slot-Pole Combinations Based on Axial Flux Permanent-Magnet Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4539-4551	8.9	29

59	Comparison of Direct Current Control and Direct Power Control Using SVPMW Modulation 2014,		1
58	High performance field-weakening control algorithm of sensorless induction motor using speed adaptive full-order observer 2014,		2
57	. <i>IEEE Transactions on Power Electronics, 2014, 29, 3065-3076</i>	7.2	2
56	Design of a novel surgical instrument for minimally invasive robotic surgery 2014,		1
55	Mechanical resonance suppression and shaft torque limitation of two-mass drive system based on model predictive control 2014,		3
54	Design of passive joint in minimally invasive surgical robot 2014,		1
53	Improvements in permanent magnet synchronous machines with delta-connected winding 2014,		4
52	Research on Downhole Multi-parameter Comprehensive Measurement of ESP 2014,		1
51	Improved predictive current control with static current error elimination for permanent magnet synchronous machine 2014,		13
50	Research and design on multi-target current tracking control strategy of cascaded H-bridge static var generator 2014,		1
49	The research on reliability and real-time of the scheme of process layer GOOSE network in smart substation based on artificial cobweb topology structure 2014,		1
48	IGBT open circuit fault diagnosis in VSI fed induction motor drives based on modified average current method 2014,		5
47	Research on the control strategy of STATCOM based on modular multilevel converter 2014,		2
46	Compound control strategy of active power filter based on modular multilevel converter 2014,		3
45	Remanufacturing of low-efficiency induction machines with interior permanent-magnet rotors for energy efficiency improvement 2014,		1
44	Overtoltage mitigation of submersible motors with long cables of different lengths 2014,		8
43	Position Estimation Error Reduction Using Recursive-Least-Square Adaptive Filter for Model-Based Sensorless Interior Permanent-Magnet Synchronous Motor Drives. <i>IEEE Transactions on Industrial Electronics, 2014, 61, 5115-5125</i>	8.9	84
42	Adaptive Compensation Method of Position Estimation Harmonic Error for EMF-Based Observer in Sensorless IPMSM Drives. <i>IEEE Transactions on Power Electronics, 2014, 29, 3055-3064</i>	7.2	124

41	Quadrature PLL-Based High-Order Sliding-Mode Observer for IPMSM Sensorless Control With Online MTPA Control Strategy. <i>IEEE Transactions on Energy Conversion</i> , 2013 , 28, 214-224	5-4	134
40	DSP-Based Control of Sensorless IPMSM Drives for Wide-Speed-Range Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 720-727	8.9	195
39	Single-stage LED driver with low bus voltage. <i>Electronics Letters</i> , 2013 , 49, 455-457	1.1	21
38	Research on the Control Strategy of Modular Multilevel Converter 2013 ,		2
37	. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 996-1005	4-3	32
36	Application of interphase inductors for parallel generator-side converters in direct-drive wind turbine system 2012 ,		3
35	Study of on-line backlash identification for PMSM servo system 2012 ,		3
34	Fault Diagnosis and Life Prediction of DC-link Aluminum Electrolytic Capacitors Used in Three-phase AC/DC/AC Converters 2012 ,		13
33	Electronic Ballast for Metal Halide Lamps Using a Quasi-Resonant Inverter With Digital Control. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 1825-1840	8.9	8
32	Study on three-leg-based three-phase four-wire shunt active power filter 2012 ,		1
31	Study on Downhole Multi-sensor Monitoring and Data Transmission of Electric Submersible Pump 2011 ,		1
30	Power management strategy for microgrid with energy storage system 2011 ,		3
29	Improved deadbeat predictive current control strategy for permanent magnet motor drives 2011 ,		17
28	Minitype servo controller design for humanoid robot joint system 2011 ,		1
27	Initial rotor position estimation for sensorless interior PMSM with signal injection 2010 ,		7
26	Power Quality Disturbances Recognition Based on HS-transform 2010 ,		4
25	Higher-Order Sliding Mode Control of DFIG Wind Energy System Under LVRT 2010 ,		5
24	Current-loop bandwidth expansion strategy for permanent magnet synchronous motor drives 2010 ,		3

23	United system of TSC and SVG for reactive power compensation 2010 ,		3
22	Power Quality Disturbance Recognition Based on S-Transform and SOM Neural Network 2009 ,		1
21	Multifunctional robot to maintain boiler water-cooling tubes. <i>Robotica</i> , 2009 , 27, 941-948	2.1	20
20	A novel stator voltage oriented V/F control method capable of high output torque at low speed 2009 ,		11
19	The Application of Particle Swarm Optimization to Passive and Hybrid Active Power Filter Design. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2841-2851	8.9	74
18	A novel sliding mode control of a high-voltage transformerless hybrid shunt active power filter 2009 ,		2
17	Improved rotor flux estimation based on voltage model for sensorless field-oriented controlled induction motor drives. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		5
16	A Novel Inverter-Output Passive Filter for Reducing Both Differential- and Common-Mode $\frac{dv}{dt}$ at the Motor Terminals in PWM Drive Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 419-428	8.9	80
15	Dimmable Electronic Ballast for 250W HPS Lamp in Street Lighting with Analog Dimming Interface Circuit. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2007 ,		6
14	Sensorless Speed Estimation for Line-connected Induction Motor Based on Recurrent Multilayer Neural Network 2007 ,		1
13	Research on Wind Turbine Emulation based on DC Motor 2007 ,		31
12	Optimal Design for Passive Power Filters in Hybrid Power Filter Based on Particle Swarm Optimization 2007 ,		11
11	Stagewise control of connecting DFIG to the grid 2006 ,		7
10	Nonlinear Feedforward Control of Three-phase Voltage Source Converter 2006 ,		4
9	Low Speed Control of Permanent Magnet Synchronous Motor Based on Instantaneous Speed Estimation 2006 ,		3
8	Study on Stagewise Control of Connecting DFIG to the Grid 2006 ,		2
7	The New Soft Starting Methods for Electronics Ballasts of UV Lamps Based on Microcontroller 2006 ,		1
6	A simple and robust speed control scheme of permanent magnet synchronous motor. <i>Journal of Control Theory and Applications</i> , 2004 , 2, 165-168		4

5	A Novel Design Method of LCL Type Utility Interface for Three-Phase Voltage Source Rectifier	15
4	Analysis and design of the flyback transformer	6
3	A novel SMC-fuzzy speed controller for permanent magnet brushless DC motor	4
2	An approach to torque ripple compensation for high performance PMSM servo system	3
1	Research on speed sensorless vector control of induction motor based on stator flux orientation	2