

# Dianguo Xu

## List of Publications by Year in descending order

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28190

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6901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the Phase-Shifted Carrier Modulation for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 297-310.	5.4	324
2	DSP-Based Control of Sensorless IPMSM Drives for Wide-Speed-Range Operation. IEEE Transactions on Industrial Electronics, 2013, 60, 720-727.	5.2	289
3	An Improved Distributed Secondary Control Method for DC Microgrids With Enhanced Dynamic Current Sharing Performance. IEEE Transactions on Power Electronics, 2016, 31, 6658-6673.	5.4	282
4	ADALINE-Network-Based PLL for Position Sensorless Interior Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Power Electronics, 2016, 31, 1450-1460.	5.4	228
5	Quadrature PLL-Based High-Order Sliding-Mode Observer for IPMSM Sensorless Control With Online MTPA Control Strategy. IEEE Transactions on Energy Conversion, 2013, 28, 214-224.	3.7	202
6	Flux Immunity Robust Predictive Current Control With Incremental Model and Extended State Observer for PMSM Drive. IEEE Transactions on Power Electronics, 2017, 32, 9267-9279.	5.4	176
7	An Improved Feedforward Control Method Considering PLL Dynamics to Improve Weak Grid Stability of Grid-Connected Inverters. IEEE Transactions on Industry Applications, 2018, 54, 5143-5151.	3.3	175
8	Adaptive Compensation Method of Position Estimation Harmonic Error for EMF-Based Observer in Sensorless IPMSM Drives. IEEE Transactions on Power Electronics, 2014, 29, 3055-3064.	5.4	174
9	An Improved Circulating Current Injection Method for Modular Multilevel Converters in Variable-Speed Drives. IEEE Transactions on Industrial Electronics, 2016, 63, 7215-7225.	5.2	167
10	Enhanced Linear ADRC Strategy for HF Pulse Voltage Signal Injection-Based Sensorless IPMSM Drives. IEEE Transactions on Power Electronics, 2019, 34, 514-525.	5.4	150
11	Maximum Efficiency Per Ampere Control of Permanent-Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2015, 62, 2135-2143.	5.2	148
12	An LC/S Compensation Topology and Coil Design Technique for Wireless Power Transfer. IEEE Transactions on Power Electronics, 2018, 33, 2007-2025.	5.4	143
13	Comparative Investigation of Pseudorandom High-Frequency Signal Injection Schemes for Sensorless IPMSM Drives. IEEE Transactions on Power Electronics, 2017, 32, 2123-2132.	5.4	127
14	Square-Wave Voltage Injection Algorithm for PMSM Position Sensorless Control With High Robustness to Voltage Errors. IEEE Transactions on Power Electronics, 2017, 32, 5425-5437.	5.4	125
15	A Hybrid Modular Multilevel Converter for Medium-Voltage Variable-Speed Motor Drives. IEEE Transactions on Power Electronics, 2017, 32, 4619-4630.	5.4	124
16	Position Estimation Error Reduction Using Recursive-Least-Square Adaptive Filter for Model-Based Sensorless Interior Permanent-Magnet Synchronous Motor Drives. IEEE Transactions on Industrial Electronics, 2014, 61, 5115-5125.	5.2	119
17	Current Sensor Fault Diagnosis and Tolerant Control for VSI-Based Induction Motor Drives. IEEE Transactions on Power Electronics, 2018, 33, 4238-4248.	5.4	119
18	A Single Switch Quadratic Boost High Step Up DC-DC Converter. IEEE Transactions on Industrial Electronics, 2019, 66, 4387-4397.	5.2	119

#	ARTICLE	IF	CITATIONS
19	A Novel Inverter-Output Passive Filter for Reducing Both Differential- and Common-Mode $dv/dt$ at the Motor Terminals in PWM Drive Systems. IEEE Transactions on Industrial Electronics, 2007, 54, 419-426.	5.2	116
20	Enhanced Position Observer Using Second-Order Generalized Integrator for Sensorless Interior Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Energy Conversion, 2014, 29, 486-495.	3.7	112
21	Static-Errorless Deadbeat Predictive Current Control Using Second-Order Sliding-Mode Disturbance Observer for Induction Machine Drives. IEEE Transactions on Power Electronics, 2018, 33, 2395-2403.	5.4	109
22	Pseudo-Random High-Frequency Square-Wave Voltage Injection Based Sensorless Control of IPMSM Drives for Audible Noise Reduction. IEEE Transactions on Industrial Electronics, 2016, 63, 7423-7433.	5.2	104
23	Self-Commissioning of Permanent Magnet Synchronous Machine Drives at Standstill Considering Inverter Nonlinearities. IEEE Transactions on Power Electronics, 2014, 29, 6615-6627.	5.4	103
24	S/CLC Compensation Topology Analysis and Circular Coil Design for Wireless Power Transfer. IEEE Transactions on Transportation Electrification, 2017, 3, 496-507.	5.3	100
25	The Application of Particle Swarm Optimization to Passive and Hybrid Active Power Filter Design. IEEE Transactions on Industrial Electronics, 2009, 56, 2841-2851.	5.2	99
26	A Permutation Importance-Based Feature Selection Method for Short-Term Electricity Load Forecasting Using Random Forest. Energies, 2016, 9, 767.	1.6	97
27	A Novel Parameter Tuning Method for a Double-Sided $\text{LCL}$ Compensated WPT System With Better Comprehensive Performance. IEEE Transactions on Power Electronics, 2018, 33, 8525-8536.	5.4	97
28	A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM With Star Configuration. IEEE Transactions on Power Electronics, 2015, 30, 1189-1202.	5.4	96
29	A Modified Modular Multilevel Converter With Reduced Capacitor Voltage Fluctuation. IEEE Transactions on Industrial Electronics, 2015, 62, 6108-6119.	5.2	94
30	A New Frequency Control Strategy in an Islanded Microgrid Using Virtual Inertia Control-Based Coefficient Diagram Method. IEEE Access, 2019, 7, 16979-16990.	2.6	94
31	Inverter Power Control Based on DC-Link Voltage Regulation for IPMSM Drives Without Electrolytic Capacitors. IEEE Transactions on Power Electronics, 2018, 33, 558-571.	5.4	91
32	Sensorless Control Scheme of IPMSMs Using HF Orthogonal Square-Wave Voltage Injection Into a Stationary Reference Frame. IEEE Transactions on Power Electronics, 2019, 34, 2573-2584.	5.4	87
33	Design Method of Adaptive Full Order Observer With or Without Estimated Flux Error in Speed Estimation Algorithm. IEEE Transactions on Power Electronics, 2016, 31, 2609-2626.	5.4	86
34	A CLCL Resonant DC/DC Converter for Two-Stage LED Driver System. IEEE Transactions on Industrial Electronics, 2016, 63, 2883-2891.	5.2	85
35	Active Disturbance Rejection Control Strategy for Signal Injection-Based Sensorless IPMSM Drives. IEEE Transactions on Transportation Electrification, 2018, 4, 330-339.	5.3	84
36	Offline Parameter Self-Learning Method for General-Purpose PMSM Drives With Estimation Error Compensation. IEEE Transactions on Power Electronics, 2019, 34, 11103-11115.	5.4	84

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37	Seamless Transition Control for Modular Multilevel Converters When Inserting a Cold-Reserve Redundant Submodule. IEEE Transactions on Power Electronics, 2015, 30, 4052-4057.	5.4	83
38	Robust Predictive Current Control With Online Disturbance Estimation for Induction Machine Drives. IEEE Transactions on Power Electronics, 2017, 32, 4663-4674.	5.4	83
39	Rotor Position Estimation of PMSM in Low-Speed Region and Standstill Using Zero-Voltage Vector Injection. IEEE Transactions on Power Electronics, 2018, 33, 7948-7958.	5.4	83
40	A Practical Equivalent Method for DFIG Wind Farms. IEEE Transactions on Sustainable Energy, 2018, 9, 610-620.	5.9	81
41	A Single-Stage LED Driver Based on Interleaved Buck-Boost Circuit and LLC Resonant Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 732-741.	3.7	79
42	Active Disturbance Rejection Control of LCL-Filtered Grid-Connected Inverter Using Padé Approximation. IEEE Transactions on Industry Applications, 2018, 54, 6179-6189.	3.3	79
43	An Impedance Model-Based Multiparameter Identification Method of PMSM for Both Offline and Online Conditions. IEEE Transactions on Power Electronics, 2021, 36, 727-738.	5.4	77
44	On-line Inertia Identification Algorithm for PI Parameters Optimization in Speed Loop. IEEE Transactions on Power Electronics, 2015, 30, 849-859.	5.4	74
45	Closed-Loop Precharge Control of Modular Multilevel Converters During Start-Up Processes. IEEE Transactions on Power Electronics, 2015, 30, 524-531.	5.4	73
46	Multiple-AVF Cross-Feedback-Network-Based Position Error Harmonic Fluctuation Elimination for Sensorless IPMSM Drives. IEEE Transactions on Industrial Electronics, 2016, 63, 821-831.	5.2	69
47	Low-Frequency Pulse Voltage Injection Scheme-Based Sensorless Control of IPMSM Drives for Audible Noise Reduction. IEEE Transactions on Industrial Electronics, 2017, 64, 8415-8426.	5.2	65
48	Analysis and Suppression of Circulating Current Caused by Carrier Phase Difference in Parallel Voltage Source Inverters With SVPWM. IEEE Transactions on Power Electronics, 2018, 33, 11007-11020.	5.4	64
49	Discrete-Time Repetitive Control-Based ADRC for Current Loop Disturbances Suppression of PMSM Drives. IEEE Transactions on Industrial Informatics, 2022, 18, 3138-3149.	7.2	63
50	Speed-Sensorless Induction Machine Control in the Field-Weakening Region Using Discrete Speed-Adaptive Full-Order Observer. IEEE Transactions on Power Electronics, 2016, 31, 5759-5773.	5.4	62
51	A Single-Stage LED Driver Based on SEPIC and LLC Circuits. IEEE Transactions on Industrial Electronics, 2017, 64, 5766-5776.	5.2	62
52	Antidisturbance Speed Control for Induction Machine Drives Using High-Order Fast Terminal Sliding-Mode Load Torque Observer. IEEE Transactions on Power Electronics, 2018, 33, 7927-7937.	5.4	61
53	A 1 MHz Half-Bridge Resonant DC/DC Converter Based on GaN FETs and Planar Magnetics. IEEE Transactions on Power Electronics, 2017, 32, 2876-2891.	5.4	60
54	Optimal Sizing of Distributed Generations in DC Microgrids With Comprehensive Consideration of System Operation Modes and Operation Targets. IEEE Access, 2018, 6, 31129-31140.	2.6	60

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55	A Complete HSS-Based Impedance Model of MMC Considering Grid Impedance Coupling. IEEE Transactions on Power Electronics, 2020, 35, 12929-12948.	5.4	59
56	Vibration Suppression With Shaft Torque Limitation Using Explicit MPC-PI Switching Control in Elastic Drive Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 6855-6867.	5.2	57
57	Discrete-Time Low-Frequency-Ratio Synchronous-Frame Full-Order Observer for Position Sensorless IPMSM Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 870-879.	3.7	57
58	Research on Wind Turbine Emulation based on DC Motor. , 2007, , .		56
59	Sensorless Control of IPMSM Drives Using a Pseudo-Random Phase-Switching Fixed-Frequency Signal Injection Scheme. IEEE Transactions on Industrial Electronics, 2018, 65, 7660-7671.	5.2	56
60	A New Position and Speed Estimation Scheme for Position Control of PMSM Drives Using Low-Resolution Position Sensors. IEEE Transactions on Industry Applications, 2019, 55, 3747-3758.	3.3	56
61	Droop Control With Improved Disturbance Adaption for a PV System With Two Power Conversion Stages. IEEE Transactions on Industrial Electronics, 2016, 63, 6073-6085.	5.2	54
62	A Single-Stage Single-Switch LED Driver Based on the Integrated SEPIC Circuit and Class-E Converter. IEEE Transactions on Power Electronics, 2016, 31, 5814-5824.	5.4	54
63	Analysis and Design of an S/SP Compensated IPT System to Minimize Output Voltage Fluctuation Versus Coupling Coefficient and Load Variation. IEEE Transactions on Vehicular Technology, 2018, 67, 9262-9272.	3.9	54
64	Flux-Weakening Control for Induction Motor in Voltage Extension Region: Torque Analysis and Dynamic Performance Improvement. IEEE Transactions on Industrial Electronics, 2018, 65, 3740-3751.	5.2	52
65	Pseudorandom-Frequency Sinusoidal Injection Based Sensorless IPMSM Drives With Tolerance for System Delays. IEEE Transactions on Power Electronics, 2019, 34, 3623-3632.	5.4	52
66	Analysis of Oscillation Frequency Deviation in Elastic Coupling Digital Drive System and Robust Notch Filter Strategy. IEEE Transactions on Industrial Electronics, 2019, 66, 90-101.	5.2	52
67	Current Sensor Fault-Tolerant Control Strategy for Encoderless PMSM Drives Based on Single Sliding Mode Observer. IEEE Transactions on Transportation Electrification, 2020, 6, 679-689.	5.3	52
68	Analysis and Design of High-Misalignment-Tolerant Compensation Topologies With Constant-Current or Constant-Voltage Output for IPT Systems. IEEE Transactions on Power Electronics, 2021, 36, 2685-2695.	5.4	52
69	Analysis, Design, and Implementation of a Wireless Power and Data Transmission System Using Capacitive Coupling and Double-Sided LCC Compensation Topology. IEEE Transactions on Industry Applications, 2019, 55, 541-551.	3.3	51
70	A Single-Stage Single-Switch LED Driver Based on Class-E Converter. IEEE Transactions on Industry Applications, 2016, 52, 2618-2626.	3.3	50
71	A Novel Unsymmetrical Coupling Structure Based on Concentrated Magnetic Flux for High-Misalignment IPT Applications. IEEE Transactions on Power Electronics, 2019, 34, 3110-3123.	5.4	50
72	Particle Swarm Optimization-Based Parameter Design Method for S/CLC-Compensated IPT Systems Featuring High Tolerance to Misalignment and Load Variation. IEEE Transactions on Power Electronics, 2019, 34, 5268-5282.	5.4	49

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73	Enhanced FRT and Postfault Recovery Control for MMC-HVDC Connected Offshore Wind Farms. IEEE Transactions on Power Systems, 2020, 35, 1606-1617.	4.6	49
74	Saliency-Based Sensorless Control for SynRM Drives With Suppression of Position Estimation Error. IEEE Transactions on Industrial Electronics, 2019, 66, 5839-5849.	5.2	47
75	Robustness Improvement of Speed Estimation in Speed-Sensorless Induction Motor Drives. IEEE Transactions on Industry Applications, 2016, 52, 2525-2536.	3.3	46
76	Saliency-based position sensorless control methods for PMSM drives - A review. Chinese Journal of Electrical Engineering, 2017, 3, 14-23.	2.3	46
77	Fault-Tolerant Control of Medium-Voltage Modular Multilevel Converters With Minimum Performance Degradation Under Submodule Failures. IEEE Access, 2018, 6, 11772-11781.	2.6	46
78	Shaft Torque Limiting Control Using Shaft Torque Compensator for Two-Inertia Elastic System With Backlash. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2902-2911.	3.7	45
79	An Improved Single-Machine Equivalent Method of Wind Power Plants by Calibrating Power Recovery Behaviors. IEEE Transactions on Power Systems, 2018, 33, 4371-4381.	4.6	44
80	Fault Diagnosis of Bearing in Wind Turbine Gearbox Under Actual Operating Conditions Driven by Limited Data With Noise Labels. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	44
81	Robust Low-Cost Control Scheme of Direct-Drive Gearless Traction Machine for Elevators Without a Weight Transducer. IEEE Transactions on Industry Applications, 2012, 48, 996-1005.	3.3	43
82	A Single-Stage LED Driver Based on Double LLC Resonant Tanks for Automobile Headlight With Digital Control. IEEE Transactions on Transportation Electrification, 2016, 2, 357-368.	5.3	43
83	High-Frequency Voltage-Injection Methods and Observer Design for Initial Position Detection of Permanent Magnet Synchronous Machines. IEEE Transactions on Power Electronics, 2018, 33, 7971-7979.	5.4	43
84	Generalized Single-Phase Harmonic State Space Modeling of the Modular Multilevel Converter With Zero-Sequence Voltage Compensation. IEEE Transactions on Industrial Electronics, 2019, 66, 6416-6426.	5.2	43
85	Cooperative path planning of multiple autonomous underwater vehicles operating in dynamic ocean environment. ISA Transactions, 2019, 94, 174-186.	3.1	42
86	An Active Damping Control Method for Reduced DC-Link Capacitance IPMSM Drives. IEEE Transactions on Industrial Electronics, 2018, 65, 2057-2068.	5.2	41
87	Novel High Step-Up Soft-Switching DC-DC Converter Based on Switched Capacitor and Coupled Inductor. IEEE Transactions on Power Electronics, 2020, 35, 9471-9481.	5.4	41
88	Hybrid Pseudorandom Signal Injection for Position Sensorless SynRM Drives With Acoustic Noise Reduction. IEEE Transactions on Transportation Electrification, 2022, 8, 1313-1325.	5.3	40
89	Design and Optimization of an Electric Vehicle Wireless Charging System Using Interleaved Boost Converter and Flat Solenoid Coupler. IEEE Transactions on Power Electronics, 2021, 36, 3894-3908.	5.4	39
90	Efficiency Enhancement of General AC Drive System by Remanufacturing Induction Motor With Interior Permanent-Magnet Rotor. IEEE Transactions on Industrial Electronics, 2016, 63, 808-820.	5.2	38

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91	High-Order Terminal Sliding-Mode Observer for Chattering Suppression and Finite-Time Convergence in Sensorless SPMSM Drives. IEEE Transactions on Power Electronics, 2021, 36, 11910-11920.	5.4	37
92	A Novel Design Method of LCL Type Utility Interface for Three-Phase Voltage Source Rectifier. , 0, , .		36
93	Power Quality Disturbances Recognition Based on a Multiresolution Generalized S-Transform and a PSO-Improved Decision Tree. Energies, 2015, 8, 549-572.	1.6	36
94	A High-Reliability and Determinacy Architecture for Smart Substation Process-Level Network Based on Cobweb Topology. IEEE Transactions on Power Delivery, 2014, 29, 842-850.	2.9	35
95	Investigation of $d$ - and $q$ -Axis Inductances Influenced by Slot-Pole Combinations Based on Axial Flux Permanent-Magnet Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 4539-4551.	5.2	35
96	Weight-Transducerless Rollback Mitigation Adopting Enhanced MPC With Extended State Observer for Direct-Drive Elevators. IEEE Transactions on Power Electronics, 2016, 31, 4440-4451.	5.4	34
97	Comparative Study of the Active and Passive Circulating Current Suppression Methods for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2018, 33, 1878-1883.	5.4	34
98	A Review of High Frequency Power Converters and Related Technologies. IEEE Open Journal of the Industrial Electronics Society, 2020, 1, 247-260.	4.8	34
99	Adaptive Pseudorandom High-Frequency Square-Wave Voltage Injection Based Sensorless Control for SynRM Drives. IEEE Transactions on Power Electronics, 2021, 36, 3200-3210.	5.4	34
100	Control of Parallel Three-Phase PWM Converters Under Generalized Unbalanced Operating Conditions. IEEE Transactions on Power Electronics, 2017, 32, 3206-3215.	5.4	33
101	Asymmetric Mode Control of MMC to Suppress Capacitor Voltage Ripples in Low-Frequency, Low-Voltage Conditions. IEEE Transactions on Power Electronics, 2017, 32, 4219-4230.	5.4	33
102	Gear Fault Diagnosis Based on Dual Parameter Optimized Resonance-Based Sparse Signal Decomposition of Motor Current. IEEE Transactions on Industry Applications, 2018, 54, 3782-3792.	3.3	33
103	A Family of High Step-Up Coupled-Inductor Impedance-Source Inverters With Reduced Switching Spikes. IEEE Transactions on Power Electronics, 2018, 33, 9116-9121.	5.4	33
104	Analysis, Design, and Optimization of $LC/S$ Compensation Topology With Excellent Load-Independent Voltage Output for Inductive Power Transfer. IEEE Transactions on Transportation Electrification, 2018, 4, 767-777.	5.3	33
105	A High Step Up SEPIC-Based Converter Based on Partly Interleaved Transformer. IEEE Transactions on Industrial Electronics, 2020, 67, 1455-1465.	5.2	33
106	An Enhanced Dual Droop Control Scheme for Resilient Active Power Sharing Among Paralleled Two-Stage Converters. IEEE Transactions on Power Electronics, 2017, 32, 6091-6104.	5.4	32
107	Single-Stage Bridgeless LED Driver Based on a $CLCL$ Resonant Converter. IEEE Transactions on Industry Applications, 2018, 54, 1832-1841.	3.3	32
108	An FDM-Based Simultaneous Wireless Power and Data Transfer System Functioning With High-Rate Full-Duplex Communication. IEEE Transactions on Industrial Informatics, 2020, 16, 6370-6381.	7.2	32

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109	DC/DC Converter for Bipolar LVdc System With Integrated Voltage Balance Capability. IEEE Transactions on Power Electronics, 2021, 36, 5415-5424.	5.4	32
110	DC Solid State Transformer Based on Three-Level Power Module for Interconnecting MV and LV DC Distribution Systems. IEEE Transactions on Power Electronics, 2021, 36, 1563-1577.	5.4	32
111	Current Sensor Fault-Tolerant Control for Encoderless IPMSM Drives Based on Current Space Vector Error Reconstruction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3658-3668.	3.7	31
112	A High-Frequency CLCL Converter Based on Leakage Inductance and Variable Width Winding Planar Magnetics. IEEE Transactions on Industrial Electronics, 2018, 65, 280-290.	5.2	30
113	LC/CL compensation topology and efficiency-based optimisation method for wireless power transfer. IET Power Electronics, 2018, 11, 1029-1037.	1.5	30
114	An Improved Active Crosstalk Suppression Method for High-Speed SiC MOSFETs. IEEE Transactions on Industry Applications, 2019, 55, 7736-7744.	3.3	30
115	Distributed Global Economical Load Sharing for a Cluster of DC Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3410-3420.	4.6	30
116	Feature Selection of Power Quality Disturbance Signals with an Entropy-Importance-Based Random Forest. Entropy, 2016, 18, 44.	1.1	29
117	Control and Analysis of the Modular Multilevel DC De-Icer With STATCOM Functionality. IEEE Transactions on Industrial Electronics, 2016, 63, 5465-5476.	5.2	29
118	A Moderate Online Servo Controller Parameter Self-Tuning Method via Variable-Period Inertia Identification. IEEE Transactions on Power Electronics, 2019, 34, 12165-12180.	5.4	29
119	A Family of Y-Source DC/DC Converter Based on Switched Inductor. IEEE Transactions on Industry Applications, 2019, 55, 1587-1597.	3.3	29
120	Simultaneous Wireless Power and Data Transfer: A Comprehensive Review. IEEE Transactions on Power Electronics, 2022, 37, 3650-3667.	5.4	29
121	High Step-Up Y-Source Inverter With Reduced DC-Link Voltage Spikes. IEEE Transactions on Power Electronics, 2019, 34, 5487-5499.	5.4	28
122	Analysis and Design of an IPT System Based on S/SP Compensation With Improved Output Voltage Regulation. IEEE Transactions on Industrial Informatics, 2020, 16, 3256-3266.	7.2	28
123	Multifunctional robot to maintain boiler water-cooling tubes. Robotica, 2009, 27, 941-948.	1.3	27
124	A New Droop Coefficient Design Method for Accurate Power-Sharing in VSC-MTDC Systems. IEEE Access, 2019, 7, 47605-47614.	2.6	27
125	Hardware Decoupling and Autonomous Control of Series-Resonance-Based Three-Port Converters in DC Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 3901-3914.	3.3	27
126	Enhanced Flux-Weakening Control Method for Reduced DC-Link Capacitance IPMSM Drives. IEEE Transactions on Power Electronics, 2019, 34, 7788-7799.	5.4	27



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127	A Five-Level Space Vector Modulation Scheme for Parallel Operated Three-Level Inverters With Reduced Line Current Distortion. IEEE Transactions on Power Electronics, 2020, 35, 11235-11249.	5.4	27
128	Analytical Derivation and Design of 20-MHz DC-DC Soft-Switching Resonant Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 210-221.	5.2	27
129	Analysis and Design of Cubic Magnetic Coupler for High Distance-to-Diameter Ratio IPT Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 409-419.	5.2	27
130	Enhanced ADRC With Quasi-Resonant Control for PMSM Speed Regulation Considering Aperiodic and Periodic Disturbances. IEEE Transactions on Transportation Electrification, 2022, 8, 3568-3577.	5.3	27
131	Single-Stage LED driver with low bus voltage. Electronics Letters, 2013, 49, 455-457.	0.5	26
132	Weight-Transducerless Starting Torque Compensation of Gearless Permanent-Magnet Traction Machine for Direct-Drive Elevators. IEEE Transactions on Industrial Electronics, 2014, 61, 4594-4604.	5.2	26
133	Antirollback Control for Gearless Elevator Traction Machines Adopting Offset-Free Model Predictive Control Strategy. IEEE Transactions on Industrial Electronics, 2015, 62, 6194-6203.	5.2	26
134	Zero Stator Current Frequency Operation of Speed-Sensorless Induction Motor Drives Using Stator Input Voltage Error for Speed Estimation. IEEE Transactions on Industrial Electronics, 2016, 63, 1490-1498.	5.2	26
135	Novel Hybrid DC/DC Converter Topology for HVDC Interconnections. IEEE Transactions on Power Electronics, 2019, 34, 5131-5146.	5.4	26
136	Pseudorandom-Frequency Sinusoidal Injection for Position Sensorless IPMSM Drives Considering Sample and Hold Effect. IEEE Transactions on Power Electronics, 2019, 34, 9929-9941.	5.4	26
137	Maximum Torque Analysis and Extension in Six-Step Mode-Combined Field-Weakening Control for Induction Motor Drives. IEEE Transactions on Industrial Electronics, 2019, 66, 9129-9138.	5.2	26
138	A Single-Stage LED Driver Based on Flyback and Modified Class-E Resonant Converters With Low-Voltage Stress. IEEE Transactions on Industrial Electronics, 2019, 66, 8463-8473.	5.2	26
139	Multi-objective energy management system for DC microgrids based on the maximum membership degree principle. Journal of Modern Power Systems and Clean Energy, 2018, 6, 668-678.	3.3	25
140	Inductor Current Feedback Active Damping Method for Reduced DC-Link Capacitance IPMSM Drives. IEEE Transactions on Power Electronics, 2019, 34, 4558-4568.	5.4	25
141	A High-Performance Impedance-Source Converter With Switched Inductor. IEEE Transactions on Power Electronics, 2019, 34, 3384-3396.	5.4	25
142	Capacitance Reduction of the Hybrid Modular Multilevel Converter by Decreasing Average Capacitor Voltage in Variable-Speed Drives. IEEE Transactions on Power Electronics, 2019, 34, 1580-1594.	5.4	25
143	High-Misalignment-Tolerant IPT Systems With Solenoid and Double D Pads. IEEE Transactions on Industrial Electronics, 2022, 69, 3527-3535.	5.2	25
144	A Single-Stage LED Driver Based on Half-Bridge CLCL Resonant Converter and Buck-Boost Circuit. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 196-208.	3.7	24

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145	Generalized Impedance Analysis and New Sight at Damping Controls for Wind Farm Connected MMC-HVdc. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7278-7295.	3.7	24
146	Analysis and design of an LCC/S compensated resonant converter for inductively coupled power transfer. , 2017, , .		23
147	Dynamic Resonance Analysis and Oscillation Damping of Multiterminal DC Grids. IEEE Access, 2017, 5, 16974-16984.	2.6	23
148	A Two-Stage Quasi-Resonant Dual-Buck LED Driver With Digital Control Method. IEEE Transactions on Industry Applications, 2018, 54, 787-795.	3.3	23
149	Motor Speed Signature Analysis for Local Bearing Fault Detection With Noise Cancellation Based on Improved Drive Algorithm. IEEE Transactions on Industrial Electronics, 2020, 67, 4172-4182.	5.2	23
150	A Fully Distributed Fixed-Time Secondary Controller for DC Microgrids. IEEE Transactions on Industry Applications, 2020, 56, 6586-6597.	3.3	23
151	Resonance Suppression and EMI Reduction of GaN-Based Motor Drive With Sine Wave Filter. IEEE Transactions on Industry Applications, 2020, 56, 2741-2751.	3.3	23
152	An Offline Parameter Self-Learning Method Considering Inverter Nonlinearity With Zero-Axis Voltage. IEEE Transactions on Power Electronics, 2021, 36, 14098-14109.	5.4	23
153	PCC Voltage Perturbation Path Analysis and Compensation for Grid-Connected Voltage-Source Converter Under Weak Grid. IEEE Transactions on Industrial Electronics, 2021, 68, 12331-12339.	5.2	23
154	Improved deadbeat predictive current control strategy for permanent magnet motor drives. , 2011, , .		22
155	Fault Diagnosis and Life Prediction of DC-link Aluminum Electrolytic Capacitors Used in Three-phase AC/DC/AC Converters. , 2012, , .		22
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