

# Yi Tang

## List of Publications by Year in descending order

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275  
papers

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41344

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docs citations

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times ranked

6623  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generic Voltage Control for Grid-Forming Converters With Improved Power Loop Dynamics. IEEE Transactions on Industrial Electronics, 2023, 70, 3933-3943.	7.9	12
2	Soft Switching for Strongly Coupled Wireless Power Transfer System With 90° Dual-Side Phase Shift. IEEE Transactions on Industrial Electronics, 2022, 69, 282-292.	7.9	15
3	Partial Power Processing for Power Decoupling Network in Three-Phase Three-Leg Four-Wire Three-Level T-Type Inverter With Reduced Split DC-Bus Capacitance. IEEE Transactions on Industrial Electronics, 2022, 69, 3643-3655.	7.9	14
4	Unified Active Damping Control Algorithm of Inverter for LCL Resonance and Mechanical Torsional Vibration Suppression. IEEE Transactions on Industrial Electronics, 2022, 69, 6611-6623.	7.9	5
5	Design Methodology of Free-Positioning Nonoverlapping Wireless Charging for Consumer Electronics Based on Antiparallel Windings. IEEE Transactions on Industrial Electronics, 2022, 69, 825-834.	7.9	60
6	Coil Relative Position Transient Issue in Wireless Power Transfer Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 2621-2630.	7.9	8
7	Evaluating Small-Signal Synchronization Stability of Grid-Forming Converter: A Geometrical Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 9087-9098.	7.9	9
8	Passive Current Sharing of a Multiphase Inverter Based on Parallel Resonance. IEEE Transactions on Industrial Electronics, 2022, 69, 8625-8632.	7.9	4
9	Decoupled Modulation With Common-Mode Load-Voltage Control for Three-Phase Four-Leg Three-Level Inverter. IEEE Transactions on Industrial Electronics, 2022, 69, 8594-8598.	7.9	11
10	General Multi-Frequency Small-Signal Model for Resonant Converters. IEEE Transactions on Power Electronics, 2022, 37, 3892-3912.	7.9	4
11	A side-effect-free method of reducing capacitance requirement for modular multilevel converters. High Voltage, 2022, 7, 461-472.	4.7	4
12	Synchronization Stability Analysis of Grid-Forming Inverter: A Black Box Methodology. IEEE Transactions on Industrial Electronics, 2022, 69, 13069-13078.	7.9	16
13	Optimized Parameter Design of the Dual-Loop Control for Grid-Forming VSCs With LC Filters. IEEE Transactions on Industry Applications, 2022, 58, 820-829.	4.9	8
14	A Comprehensive Study on the Modulation Ratio for Modular Multilevel Converters. IEEE Transactions on Industry Applications, 2022, , 1-1.	4.9	7
15	A Primary-Side Gain-Scheduled Controller Based on Dynamic Coupling Estimation for Inductive Battery Charging Systems with Sub-resonant Frequency Control. , 2022, , .		0
16	A Unified Startup Strategy for Modular Multilevel Converters With Deadbeat Predictive Current Control. IEEE Transactions on Industrial Electronics, 2021, 68, 6401-6411.	7.9	15
17	Grid Inertia Support Enabled by Smart Loads. IEEE Transactions on Power Electronics, 2021, 36, 947-957.	7.9	18
18	A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1258-1268.	5.4	25

#	ARTICLE	IF	CITATIONS
19	Dual-Side Phase-Shift Control of Wireless Power Transfer Implemented on Primary Side Based on Driving Windings. IEEE Transactions on Industrial Electronics, 2021, 68, 8999-9002.	7.9	43
20	Small-Signal Modeling for Phase-Shift Controlled Resonant Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 11026-11034.	7.9	7
21	Passivity-Based Synchronization Stability Analysis for Power-Electronic-Interfaced Distributed Generations. IEEE Transactions on Sustainable Energy, 2021, 12, 1141-1150.	8.8	17
22	Device-Level Loss Balancing Control for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2021, 36, 4778-4790.	7.9	20
23	Toward Large-Signal Stabilization of Floating Dual Boost Converter-Powered DC Microgrids Feeding Constant Power Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 580-589.	5.4	20
24	A Hybrid Ensemble Model for Interval Prediction of Solar Power Output in Ship Onboard Power Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 14-24.	8.8	47
25	A Converter-Based Power System Stabilizer for Stability Enhancement of Droop-Controlled Islanded Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 4616-4626.	9.0	8
26	Synthetic Inertia Control of Grid-connected Inverter Considering the Synchronization Dynamics. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	24
27	Configuration and Operation of Nine-Arm Modular Multilevel Converter With Improved Hybrid Submodules. IEEE Transactions on Power Electronics, 2021, 36, 6389-6403.	7.9	6
28	Pulsewidth-Modulator-Based Transfer Function Measurement Method for Variable Frequency-Controlled Half- and Full-Bridge Converters. IEEE Transactions on Power Electronics, 2021, 36, 9711-9716.	7.9	1
29	Small-Signal Models of Resonant Converter With Consideration of Different Duty-Cycle Control Schemes. IEEE Transactions on Power Electronics, 2021, 36, 13234-13247.	7.9	6
30	A Modulized Three-Port Interlinking Converter for Hybrid AC/DC/DS Microgrids Featured With a Decentralized Power Management Strategy. IEEE Transactions on Industrial Electronics, 2021, 68, 12430-12440.	7.9	9
31	Coordinated Optimal Energy Management and Voyage Scheduling for All-Electric Ships Based on Predicted Shore-Side Electricity Price. IEEE Transactions on Industry Applications, 2021, 57, 139-148.	4.9	42
32	Modelling and Controller Design for Three-Phase Four-Leg Three-Level T-Type Inverter. , 2021, , .		0
33	Stability Analysis and Improvement of Three-Phase Grid-Tied Power Converters through the Generalized Phase Portraits Method. , 2021, , .		0
34	Reduced-Order Equivalent Circuit Model of Series Resonant Converter Considering the Interaction between Resonant Elements. , 2021, , .		1
35	Evaluating Small-Signal Synchronization Stability of grid-forming converter through Complex Impedance Plane. , 2021, , .		1
36	Multi-Terminal Soft Open Point with Anti-Islanding and Over-current Protection Capability. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Decoupled Modulation Scheme for Three-Phase Four-Leg Four-Wire Three-Level T-Type Inverter. , 2021, , .		0
38	Inverter Phase Current Balancing for Wireless Power Transfer Systems Based on Parallel Resonant Networks. , 2021, , .		0
39	Current Balancing of a Multi-Phase Inverter for Wireless Power Transfer Systems based on Mutually Negatively Coupled Inductors. , 2021, , .		2
40	A Side-Effect-Free Method of Capacitance Requirement Reduction for Modular Multilevel Converters with STATCOM Functionality. , 2021, , .		0
41	Fault-tolerant Distribution Network Enabled by Series Soft Open Point. , 2021, , .		2
42	Dynamic Performance Limitation and Enhancement of Grid-Forming Converters. , 2021, , .		2
43	Model Predictive Control Combined with Sliding Mode Control for Interleaving DC/DC Converter. , 2021, , .		0
44	A Modulated MPC Algorithm for Modular Multilevel Converter with Low Calculation Burden. , 2021, , .		0
45	A Deadbeat Model Predictive Current Control Algorithm for Modular Multilevel Converters with Enhanced Steady-State Performance. , 2021, , .		0
46	A Distributed Control Scheme of Thermostatically Controlled Loads for the Building-Microgrid Community. IEEE Transactions on Sustainable Energy, 2020, 11, 350-360.	8.8	62
47	Utilizing the Dead-Time Effect to Achieve Decentralized Reactive Power Sharing in Islanded AC Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2350-2361.	5.4	7
48	Finite-Control-Set Model Predictive Control of Modular Multilevel Converters With Cascaded Open-Circuit Fault Ride-Through. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2943-2953.	5.4	23
49	On Autonomous Large-Signal Stabilization for Islanded Multibus DC Microgrids: A Uniform Nonsmooth Control Scheme. IEEE Transactions on Industrial Electronics, 2020, 67, 4600-4612.	7.9	32
50	Arm Current Balancing Control for Modular Multilevel Converters Under Unbalanced Grid Conditions. IEEE Transactions on Power Electronics, 2020, 35, 2467-2479.	7.9	25
51	Deadbeat Predictive Current Control for Modular Multilevel Converters With Enhanced Steady-State Performance and Stability. IEEE Transactions on Power Electronics, 2020, 35, 6878-6894.	7.9	60
52	Joint Energy Management and Voyage Scheduling for All-Electric Ships Using Dynamic Real-Time Electricity Price of Onshore Power. , 2020, , .		2
53	Mechanism of Carbon Finance's Influence on Radical Low-Carbon Innovation with Evidence from China. Sustainability, 2020, 12, 7708.	3.2	3
54	A Joint Photovoltaic-Dependent Navigation Routing and Energy Storage System Sizing Scheme for More Efficient All-Electric Ships. IEEE Transactions on Transportation Electrification, 2020, 6, 1279-1289.	7.8	29

#	ARTICLE	IF	CITATIONS
55	Controlling the Phase Angle in LCC-S IPT for Information Feedback. , 2020, , .		0
56	Modular Multilevel Converter Device-level Loss Balancing Control for Better Lifetime. , 2020, , .		1
57	Optimal Control Parameter Design for Dual-Loop Controlled Grid-Forming VSCs. , 2020, , .		3
58	Robust Power Sharing Control for Parallel Three-phase Inverters Against Voltage Measurement Errors. IEEE Transactions on Power Electronics, 2020, 35, 13590-13601.	7.9	15
59	Practical Submodule Capacitor Sizing for Modular Multilevel Converter Considering Grid Faults. Applied Sciences (Switzerland), 2020, 10, 3550.	2.5	4
60	An Operation Mode Selection Method of Dual-Side Bridge Converters for Efficiency Optimization in Inductive Power Transfer. IEEE Transactions on Power Electronics, 2020, 35, 9992-9997.	7.9	26
61	Extending the Operating Region of Inductive Power Transfer Systems Through Dual-Side Cooperative Control. IEEE Transactions on Industrial Electronics, 2020, 67, 9302-9312.	7.9	14
62	Calculation of Active Earth Pressure in the Non-Limit State Based on Wedge Unit Method. Soil Mechanics and Foundation Engineering, 2020, 56, 390-397.	0.7	2
63	Modulated Model Predictive Control for Modular Multilevel Converters With Easy Implementation and Enhanced Steady-State Performance. IEEE Transactions on Power Electronics, 2020, 35, 9107-9118.	7.9	44
64	A Design Methodology of a Free Positioning None- Overlapping Wireless Charging System for Consumer Electronics with a Limited Parameter Variation. , 2020, , .		1
65	Three-Phase-Four-Wire Three-Level Inverter with Neutral Inductor and Neutral Module for Saving AC-Filter-Inductances and DC-Link-Capacitances. , 2020, , .		0
66	Transferring Driving Pulses to Implement Dual-Side Phase-Shift Control of Wireless Power Transfer on Primary Side Using Driving Windings. , 2020, , .		0
67	A Dual Phase Shedding Method for the Improvement of Efficiency and Reduction of Regulating Requirements in Series-series Inductive Power Transfer. , 2020, , .		2
68	Efficiency Analysis of LCC-S and S-S Inductive Power Transfer Considering Switching Device and Component Losses. , 2020, , .		4
69	Coil Comparison and Downscaling Principles of Inductive Wireless Power Transfer Systems. , 2020, , .		8
70	Model Predictive Control of a Shunt Active Power Filter with Improved Dynamics Under Distorted Grid Conditions. , 2020, , .		2
71	Tailor-made Power-angle Characteristic: A New Controller Design Perspective for Grid-Forming Inverter. , 2020, , .		0
72	Input Impedance Modeling and Analysis for a Three-Phase Voltage Source Converter with DC-link Voltage Control. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
73	A Compact Dynamic Wireless Power Transfer System via Capacitive Coupling Achieving Stable Output. , 2020, , .		6
74	A Low Voltage Ride Through Strategy with Load and Grid Support for Grid-Forming Converters. , 2020, , .		2
75	A Unified Startup Control Strategy for Modular Multilevel Converters from Either AC Side or DC Side. , 2020, , .		2
76	Evaluation of Primary-Side-Regulated and Secondary-Side-Regulated High-Insulated Gate Drive Power Supply for 10-kV SiC MOSFET. , 2020, , .		1
77	Inertia Emulation of PMSG-Coupled Wind Turbines with Rotor Speed Recovery Support from DC-link Capacitors. , 2020, , .		1
78	Input Current Ripple Reduction of Switching Capacitor Converter by Dividing the Output Capacitor. , 2020, , .		0
79	Decoupled Power Control for a Modular-Multilevel-Converter-Based Hybrid AC-DC Grid Integrated With Hybrid Energy Storage. IEEE Transactions on Industrial Electronics, 2019, 66, 2926-2934.	7.9	64
80	Generalized Power Decoupling Control for Single-Phase Differential Inverters With Nonlinear Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1137-1151.	5.4	24
81	Model-Predictive Current Control of Modular Multilevel Converters With Phase-Shifted Pulsewidth Modulation. IEEE Transactions on Industrial Electronics, 2019, 66, 4368-4378.	7.9	67
82	An Integrated Dual Voltage Loop Control for Capacitance Reduction in CHB-Based Regenerative Motor Drive Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 3369-3379.	7.9	19
83	Aggregated Energy Storage for Power System Frequency Control: A Finite-Time Consensus Approach. IEEE Transactions on Smart Grid, 2019, 10, 3675-3686.	9.0	81
84	Decentralised distributed hybrid voltage regulation of power distribution networks based on power inverters. IET Generation, Transmission and Distribution, 2019, 13, 444-451.	2.5	41
85	Stability Analysis and Improvement of Three-Phase Grid-Connected Power Converters with Virtual Inertia Control. , 2019, , .		1
86	Control Strategy to Compensate for Current and Voltage Measurement Errors in Three-Phase PWM Rectifiers. IEEE Transactions on Industry Applications, 2019, 55, 2879-2889.	4.9	17
87	Distributed aggregation control of grid-interactive smart buildings for power system frequency support. Applied Energy, 2019, 251, 113371.	10.1	31
88	Real-Time Identification of Power Fluctuations Based on LSTM Recurrent Neural Network: A Case Study on Singapore Power System. IEEE Transactions on Industrial Informatics, 2019, 15, 5266-5275.	11.3	96
89	Two-Dimensional Impedance-Shaping Control With Enhanced Harmonic Power Sharing for Inverter-Based Microgrids. IEEE Transactions on Power Electronics, 2019, 34, 11407-11418.	7.9	33
90	Dynamic Phasor-Based Reduced-Order Models of Wireless Power Transfer Systems. IEEE Transactions on Power Electronics, 2019, 34, 11361-11370.	7.9	25

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91	A Hybrid AC/DC Microgrid with Bidirectional Virtual Inertia Support. , 2019, , .		5
92	A Temporal Decentralized Algorithm for Optimal Stochastic Energy Scheduling in Microgrids. , 2019, , .		1
93	A Transformless Electric Spring with Decoupled Real and Reactive Power Control. , 2019, , .		1
94	A Deep Learning Method for Power Fluctuation Identification from Frequency Fluctuations. , 2019, , .		1
95	Coupling Effect of Active and Reactive Power Controls on Synchronous Stability of VSGs. , 2019, , .		4
96	A Compact Wireless Charger Design with Decoupled Quadruple-D Inductor for LCC-Series Topologies. , 2019, , .		3
97	Small-Signal Modeling, Stability Analysis, and Controller Design of Grid-Friendly Power Converters with Virtual Inertia and Grid-Forming Capability. , 2019, , .		10
98	A Compact Interlinking Converter Modular for Hybrid AC/DC/DS Microgrids with a Decentralized Power Management Strategy. , 2019, , .		2
99	Impact of the Circulating Current Control on Transient Submodule Voltage Stresses for Grid-Tied Modular Multilevel Converters During Grid Faults. , 2019, , .		1
100	Decentralized Reactive Power Sharing among Parallel Inverters through Inherent Dead-time Effect. , 2019, , .		0
101	Proactive frequency control based on ultra-€short-term power fluctuation forecasting for high renewables penetrated power systems. IET Renewable Power Generation, 2019, 13, 2166-2173.	3.1	24
102	Analysis and Mitigation of Voltage Measurement Errors for Three-Phase Parallel Voltage Source Inverters. , 2019, , .		0
103	On the Stability of Virtual Inertia Control Implemented by Grid-Connected Power Converters with Delay Effects. , 2019, , .		1
104	A Novel Fault-Tolerant Control Method for Modular Multilevel Converter with an Improved Phase Disposition Level-Shifted PWM. , 2019, , .		3
105	Decoupled Power Control for Direct-Modulation-Based Modular Multilevel Converter With Improved Stability. IEEE Transactions on Industrial Electronics, 2019, 66, 5264-5274.	7.9	20
106	Frequency Derivative-Based Inertia Enhancement by Grid-Connected Power Converters With a Frequency-Locked-Loop. IEEE Transactions on Smart Grid, 2019, 10, 4918-4927.	9.0	100
107	A Model Predictive Control-Based Open-Circuit Fault Diagnosis and Tolerant Scheme of Three-Phase AC-€DC Rectifiers. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2158-2169.	5.4	37
108	A Low-Subharmonic, Full-Range, and Rapid Pulse Density Modulation Strategy for ZVS Full-Bridge Converters. IEEE Transactions on Power Electronics, 2019, 34, 8871-8881.	7.9	29

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109	A Fault-Tolerant Operation Method for Medium Voltage Modular Multilevel Converters With Phase-Shifted Carrier Modulation. IEEE Transactions on Power Electronics, 2019, 34, 9459-9470.	7.9	35
110	Modular Multilevel Converter Synthetic Inertia-Based Frequency Support for Medium-Voltage Microgrids. IEEE Transactions on Industrial Electronics, 2019, 66, 8992-9002.	7.9	59
111	Open-Circuit Fault Diagnosis and Tolerance Strategy Applied to Four-Wire T-Type Converter Systems. IEEE Transactions on Power Electronics, 2019, 34, 5764-5778.	7.9	25
112	On the Inertia of Future More-Electronics Power Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2130-2146.	5.4	360
113	Research on Capacitance Selection for Modular Multi-Level Converter. IEEE Transactions on Power Electronics, 2019, 34, 8417-8434.	7.9	38
114	An Improved Virtual Inertia Control for Three-Phase Voltage Source Converters Connected to a Weak Grid. IEEE Transactions on Power Electronics, 2019, 34, 8660-8670.	7.9	103
115	Submodule Voltage Similarity-Based Open-Circuit Fault Diagnosis for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 8008-8016.	7.9	61
116	Power Decoupling Control for Capacitance Reduction in Cascaded-H-Bridge-Converter-Based Regenerative Motor Drive Systems. IEEE Transactions on Power Electronics, 2019, 34, 538-549.	7.9	42
117	Pulse Density Modulated ZVS Full-Bridge Converters for Wireless Power Transfer Systems. IEEE Transactions on Power Electronics, 2019, 34, 369-377.	7.9	104
118	A Distributed Control Architecture for Global System Economic Operation in Autonomous Hybrid AC/DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 2603-2617.	9.0	61
119	Arm Current Balancing Control Strategy for Modular Multilevel Converters Under Grid Fault Conditions. , 2019, , .		0
120	Exploration of Time-Delay Effect on the Stability of Grid-Connected Power Converters with Virtual Inertia. , 2019, , .		1
121	Similarity-Based Fast Open-Circuit Fault Diagnosis Method for Modular Multilevel Converters. , 2019, , .		2
122	Inertia Emulation through Supercapacitor Energy Storage Systems. , 2019, , .		17
123	Optimal Sizing of BESS for Hybrid Electric Ship Using Multi-Objective Particle Swarm Optimization. , 2019, , .		2
124	A Frequency Deadband-Based Virtual Inertia Control for Grid-Connected Power Converters. , 2019, , .		5
125	Distributed Power System Virtual Inertia Implemented by Grid-Connected Power Converters. IEEE Transactions on Power Electronics, 2018, 33, 8488-8499.	7.9	356
126	Circulating Current Suppression in Modular Multilevel Converters With Even-Harmonic Repetitive Control. IEEE Transactions on Industry Applications, 2018, 54, 298-309.	4.9	64



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127	Stability Design of Single-Loop Voltage Control With Enhanced Dynamic for Voltage-Source Converters With a Low $\omega_{LC}$ -Resonant-Frequency. IEEE Transactions on Power Electronics, 2018, 33, 9937-9951.	7.9	40
128	Power Decoupling Control for Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2018, 33, 9296-9309.	7.9	39
129	A Voltage-Based Open-Circuit Fault Detection and Isolation Approach for Modular Multilevel Converters With Model-Predictive Control. IEEE Transactions on Power Electronics, 2018, 33, 9866-9874.	7.9	105
130	Robust Design of LCL Filters for Single-Current-Loop-Controlled Grid-Connected Power Converters With Unit PCC Voltage Feedforward. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 54-72.	5.4	59
131	Power management of virtual synchronous generators through using hybrid energy storage systems. , 2018, , .		7
132	A power decoupling control method for the regenerative cascaded-H-bridge-based motor drive. , 2018, , .		1
133	Multivector Model Predictive Power Control of Three-Phase Rectifiers With Reduced Power Ripples Under Nonideal Grid Conditions. IEEE Transactions on Industrial Electronics, 2018, 65, 6850-6859.	7.9	54
134	A burst mode pulse density modulation scheme for inductive power transfer systems without communication modules. , 2018, , .		8
135	Design of virtual synchronous generators with enhanced frequency regulation and reduced voltage distortions. , 2018, , .		19
136	A pulse density modulation method for ZVS full-bridge converters in wireless power transfer systems. , 2018, , .		1
137	Multiple-Vector Model-Predictive Power Control of Three-Phase Four-Switch Rectifiers With Capacitor Voltage Balancing. IEEE Transactions on Power Electronics, 2018, 33, 5824-5835.	7.9	49
138	Measuring and forecasting the volatility of USD/CNY exchange rate with multi-fractal theory. Soft Computing, 2018, 22, 5395-5406.	3.6	0
139	An Adaptive Carrier Frequency Optimization Method for Harmonic Energy Unbalance Minimization in a Cascaded H-Bridge-Based Active Power Filter. IEEE Transactions on Power Electronics, 2018, 33, 1024-1037.	7.9	29
140	Capacitor-Voltage Feedforward With Full Delay Compensation to Improve Weak Grids Adaptability of LCL-Filtered Grid-Connected Converters for Distributed Generation Systems. IEEE Transactions on Power Electronics, 2018, 33, 749-764.	7.9	132
141	A Battery/Ultracapacitor Hybrid Energy Storage System for Implementing the Power Management of Virtual Synchronous Generators. IEEE Transactions on Power Electronics, 2018, 33, 2820-2824.	7.9	301
142	Seamless Fault-Tolerant Operation of a Modular Multilevel Converter With Switch Open-Circuit Fault Diagnosis in a Distributed Control Architecture. IEEE Transactions on Power Electronics, 2018, 33, 7058-7070.	7.9	84
143	Distributed Control for a Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2018, 33, 5578-5591.	7.9	99
144	Magnetic Integration of LTL Filter With Two $\omega_{LC}$ -Traps for Grid-Connected Power Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1434-1446.	5.4	19

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145	Stability Improvement for Three-Phase Grid-Connected Converters Through Impedance Reshaping in Quadrature-Axis. IEEE Transactions on Power Electronics, 2018, 33, 8365-8375.	7.9	117
146	Mitigation of DC and Harmonic Currents Generated by Voltage Measurement Errors and Grid Voltage Distortions in Transformerless Grid-Connected Inverters. IEEE Transactions on Energy Conversion, 2018, 33, 801-813.	5.2	40
147	An Integral Droop for Transient Power Allocation and Output Impedance Shaping of Hybrid Energy Storage System in DC Microgrid. IEEE Transactions on Power Electronics, 2018, 33, 6262-6277.	7.9	77
148	Active Magnetic Decoupling for Improving the Performance of Integrated LCL-Filters in Grid-Connected Converters. IEEE Transactions on Industrial Electronics, 2018, 65, 1367-1376.	7.9	32
149	Compensation of DC Offset and Scaling Errors in Voltage and Current Measurements of Three-Phase AC/DC Converters. IEEE Transactions on Power Electronics, 2018, 33, 5401-5414.	7.9	44
150	Pulse Density Modulation for Maximum Efficiency Point Tracking of Wireless Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 5492-5501.	7.9	139
151	Synchronous Rectification-Based Phase Shift Keying Communication for Wireless Power Transfer Systems. , 2018, , .		7
152	Explore the Operating Limit of Cascaded H-Bridge Converters with Uneven Power Distribution. , 2018, , .		1
153	An Improved Control Scheme for Single-Phase Buck-Type Differential Rectifier with Low DC Voltage Ripple and AC Current Distortion. , 2018, , .		0
154	Mitigating the Harmonics of Parallel-Inverter Systems Considering Nonlinear Loads and Deadtime. , 2018, , .		1
155	Synthetic-Inertia-Based Modular Multilevel Converter Frequency Control for Improved Micro-Grid Frequency Regulation. , 2018, , .		11
156	Inertia Emulation by Flywheel Energy Storage System for Improved Frequency Regulation. , 2018, , .		14
157	Exploration of the Relationship Between Inertia Enhancement and DC-Link Capacitance for Grid-Connected Converters. , 2018, , .		3
158	Modeling of Interconnected Converter System with Coupled LCL and LC Filters. , 2018, , .		3
159	Cascaded Open-Circuit Fault Ride-Through of Modular Multilevel Converters with Model Predictive Control. , 2018, , .		5
160	Robust Frequency Regulation with Hybrid Energy Storage Systems in Islanded Microgrids. , 2018, , .		4
161	Autonomous DC-Link Voltage Restoration for Grid-Connected Power Converters Providing Virtual Inertia. , 2018, , .		12
162	Reshaping Quadrature-Axis Impedance of Three-Phase Grid-Connected Converters for Low-Frequency Stability Improvement. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
163	Reduced-Order Dynamical Models of Tuned Wireless Power Transfer Systems. , 2018, , .		3
164	A Fast Open-Circuit Fault Diagnosis Scheme for Modular Multilevel Converters with Model Predictive Control. , 2018, , .		3
165	Coordinated control for harmonic mitigation of parallel voltage-source inverters. CES Transactions on Electrical Machines and Systems, 2018, 2, 276-283.	3.5	20
166	P2â€™25: THE EFFICACY OF COMPUTERIZED COGNITIVE TRAINING IN PATIENTS WITH VASCULAR COGNITIVE IMPAIRMENT, NO DEMENTIA (THE COGâ€™VACCINE STUDY): A RANDOMIZED CONTROLLED TRIAL. Alzheimer's and Dementia, 2018, 14, P675.	0.8	0
167	A Monotonic Output Regulation Method for Series-Series Compensated Inductive Power Transfer Systems with Improved Efficiency and Communication-Less Control. , 2018, , .		5
168	Distributed Secondary Control of Energy Storage Systems in Islanded AC Microgrids. , 2018, , .		3
169	Integrating Phase-Shifted Pulse-Width Modulation to Model Predictive Current Control of Modular Multilevel Converters. , 2018, , .		1
170	Enhancing the Harmonic Current Sharing Performance of Low-Switching-Frequency Inverters Through Dynamic Impedance Reshaping. , 2018, , .		0
171	The Role of Power Electronics in Future Low Inertia Power Systems. , 2018, , .		24
172	Inertia Enhancement by Grid-Connected Power Converters with Frequency-Locked-Loops for Frequency Derivative Estimation. , 2018, , .		3
173	A Closed-Loop Power Decoupling Control for Capacitance Reduction in CHB-based Regenerative Motor Drive Systems. , 2018, , .		2
174	Explore the Capability of Power Electronic Converters in Providing Power System Virtual Inertia. , 2018, , .		10
175	An Online Open-Circuit Fault Diagnosis and Fault Tolerant Scheme for Three-Phase AC-DC Converters with Model Predictive control. , 2018, , .		6
176	Optimal Planning of Energy Storage System in Ship Power Systems. , 2018, , .		0
177	Design and performance improvement for single-voltage-loop controlled voltage-source-converters with a low ZC-resonant-frequency. , 2018, , .		0
178	Modeling the dynamics of wireless power transfer using a generalized average model of high-Q resonators. , 2018, , .		2
179	A modular multilevel converter-based composite power quality compensation system. , 2018, , .		0
180	A Computational Method of Active Earth Pressure from Finite Soil Body. Mathematical Problems in Engineering, 2018, 2018, 1-7.	1.1	7

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