

Yi Tang

List of Publications by Year in descending order

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275
papers

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times ranked

6623
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Design of High Performance Shunt Active Power Filter With Output LCL Filter. IEEE Transactions on Industrial Electronics, 2012, 59, 1443-1452.	7.9	462
2	Exploring Inherent Damping Characteristic of LCL-Filters for Three-Phase Grid-Connected Voltage Source Inverters. IEEE Transactions on Power Electronics, 2012, 27, 1433-1443.	7.9	360
3	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
4	Distributed Power System Virtual Inertia Implemented by Grid-Connected Power Converters. IEEE Transactions on Power Electronics, 2018, 33, 8488-8499.	7.9	356
5	TiO ₂ nanoparticle modified organ-like Ti ₃ C ₂ MXene nanocomposite encapsulating hemoglobin for a mediator-free biosensor with excellent performances. Biosensors and Bioelectronics, 2015, 74, 1022-1028.	10.1	331
6	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
7	Implementation of Hierarchical Control in DC Microgrids. IEEE Transactions on Industrial Electronics, 2014, 61, 4032-4042.	7.9	287
8	Decoupling of Fluctuating Power in Single-Phase Systems Through a Symmetrical Half-Bridge Circuit. IEEE Transactions on Power Electronics, 2015, 30, 1855-1865.	7.9	245
9	An Organ-Like Titanium Carbide Material (MXene) with Multilayer Structure Encapsulating Hemoglobin for a Mediator-Free Biosensor. Journal of the Electrochemical Society, 2015, 162, B16-B21.	2.9	240
10	Distributed Control for Autonomous Operation of a Three-Port AC/DC/DS Hybrid Microgrid. IEEE Transactions on Industrial Electronics, 2015, 62, 1279-1290.	7.9	208
11	Highly Accurate Derivatives for <i>LCL</i> -Filtered Grid Converter With Capacitor Voltage Active Damping. IEEE Transactions on Power Electronics, 2016, 31, 3612-3625.	7.9	190
12	Highly Reliable Transformerless Photovoltaic Inverters With Leakage Current and Pulsating Power Elimination. IEEE Transactions on Industrial Electronics, 2016, 63, 1016-1026.	7.9	169
13	A Method to Improve the Dynamic Performance of Moving Average Filter-Based PLL. IEEE Transactions on Power Electronics, 2015, 30, 5978-5990.	7.9	149
14	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
15	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
16	Optimal Pulsewidth Modulation of Nine-Switch Converter. IEEE Transactions on Power Electronics, 2010, 25, 2331-2343.	7.9	130
17	A Dual Voltage Control Strategy for Single-Phase PWM Converters With Power Decoupling Function. IEEE Transactions on Power Electronics, 2015, 30, 7060-7071.	7.9	128
18	Design of LCL Filters With LCL Resonance Frequencies Beyond the Nyquist Frequency for Grid-Connected Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 3-14.	5.4	119

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19	A Component-Minimized Single-Phase Active Power Decoupling Circuit With Reduced Current Stress to Semiconductor Switches. IEEE Transactions on Power Electronics, 2015, 30, 2905-2910.	7.9	118
20	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
21	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
22	Pulse Density Modulated ZVS Full-Bridge Converters for Wireless Power Transfer Systems. IEEE Transactions on Power Electronics, 2019, 34, 369-377.	7.9	104
23	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
24	Benchmark of AC and DC Active Power Decoupling Circuits for Second-Order Harmonic Mitigation in Kilowatt-Scale Single-Phase Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 15-25.	5.4	102
25	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
26	Distributed Control for a Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2018, 33, 5578-5591.	7.9	99
27	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
28	Feedback Linearization-Based Current Control Strategy for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2018, 33, 161-174.	7.9	93
29	Parameter Design of a Novel Series-Parallel-Resonant <i>LCL</i> Filter for Single-Phase Half-Bridge Active Power Filters. IEEE Transactions on Power Electronics, 2017, 32, 200-217.	7.9	89
30	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
31	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
32	Circulating Current Suppression for MMC-HVDC under Unbalanced Grid Conditions. IEEE Transactions on Industry Applications, 2017, 53, 3250-3259.	4.9	79
33	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
34	Explicit Phase Lead Filter Design in Repetitive Control for Voltage Harmonic Mitigation of VSI-Based Islanded Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 817-826.	7.9	72
35	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
36	An Integrated Trap-LCL Filter With Reduced Current Harmonics for Grid-Connected Converters Under Weak Grid Conditions. IEEE Transactions on Power Electronics, 2017, 32, 8446-8457.	7.9	66

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37	Distributed Generation Using Indirect Matrix Converter in Reverse Power Mode. IEEE Transactions on Power Electronics, 2013, 28, 1072-1082.	7.9	64
38	Circulating Current Suppression in Modular Multilevel Converters With Even-Harmonic Repetitive Control. IEEE Transactions on Industry Applications, 2018, 54, 298-309.	4.9	64
39	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
40	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
41	Submodule Voltage Similarity-Based Open-Circuit Fault Diagnosis for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 8008-8016.	7.9	61
42	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
43	A Magnetic Integrated LLCL Filter for Grid-Connected Voltage-Source Converters. IEEE Transactions on Power Electronics, 2017, 32, 1725-1730.	7.9	60
44	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
45	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
46	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
47	Modular Multilevel Converter Synthetic Inertia-Based Frequency Support for Medium-Voltage Microgrids. IEEE Transactions on Industrial Electronics, 2019, 66, 8992-9002.	7.9	59
48	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
49	Mixed-frame and stationary-frame repetitive control schemes for compensating typical load and grid harmonics. IET Power Electronics, 2011, 4, 218.	2.1	53
50	Power decoupling techniques for single-phase power electronics systems — An overview. , 2015, , .		52
51	A Three-Level Quasi-Two-Stage Single-Phase PFC Converter with Flexible Output Voltage and Improved Conversion Efficiency. IEEE Transactions on Power Electronics, 2015, 30, 717-726.	7.9	51
52	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
53	One-Cycle-Controlled Three-Phase PWM Rectifiers With Improved Regulation Under Unbalanced and Distorted Input-Voltage Conditions. IEEE Transactions on Power Electronics, 2010, 25, 2786-2796.	7.9	48
54	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

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55	Dual-Loop Control Strategy for DFIG-Based Wind Turbines Under Grid Voltage Disturbances. IEEE Transactions on Power Electronics, 2016, 31, 2239-2253.	7.9	46
56	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
57	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
58	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
59	A Robust DC-Split-Capacitor Power Decoupling Scheme for Single-Phase Converter. IEEE Transactions on Power Electronics, 2017, 32, 8419-8433.	7.9	42
60	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
61	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
62	High performance solution-processed infrared photodetector based on PbSe quantum dots doped with low carrier mobility polymer poly(N-vinylcarbazole). RSC Advances, 2016, 6, 44514-44521.	3.6	41
63	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
64	Stability Design of Single-Loop Voltage Control With Enhanced Dynamic for Voltage-Source Converters With a Low LC-Resonant-Frequency. IEEE Transactions on Power Electronics, 2018, 33, 9937-9951.	7.9	40
65	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
66	Power Decoupling Control for Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2018, 33, 9296-9309.	7.9	39
67	High performance solution-processed infrared photodiode based on ternary PbS _x Se _{1-x} colloidal quantum dots. RSC Advances, 2016, 6, 87730-87737.	3.6	38
68	Ripple Current Reduction for Fuel-Cell-Powered Single-Phase Uninterruptible Power Supplies. IEEE Transactions on Industrial Electronics, 2017, 64, 6607-6617.	7.9	38
69	Research on Capacitance Selection for Modular Multi-Level Converter. IEEE Transactions on Power Electronics, 2019, 34, 8417-8434.	7.9	38
70	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
71	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
72	Comparison of Superconducting Fault Current Limiter and Dynamic Voltage Restorer for LVRT Improvement of High Penetration Microgrid. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	33

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73	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
74	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
75	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
76	Distributed aggregation control of grid-interactive smart buildings for power system frequency support. Applied Energy, 2019, 251, 113371.	10.1	31
77	Improved one-cycle-control scheme for three-phase active rectifiers with input inductor-capacitor-inductor filters. IET Power Electronics, 2011, 4, 603.	2.1	29
78	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
79	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
80	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
81	Indirect dc-link voltage control of two-stage single-phase PV inverter. , 2009, , .		28
82	Grid-connected power converters with distributed virtual power system inertia. , 2017, , .		28
83	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
84	Dynamic Phasor-Based Reduced-Order Models of Wireless Power Transfer Systems. IEEE Transactions on Power Electronics, 2019, 34, 11361-11370.	7.9	25
85	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
86	Arm Current Balancing Control for Modular Multilevel Converters Under Unbalanced Grid Conditions. IEEE Transactions on Power Electronics, 2020, 35, 2467-2479.	7.9	25
87	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
88	Component analysis and target cell-based neuroactivity screening of Panax ginseng by ultra-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1038, 1-11.	2.3	24
89	The Role of Power Electronics in Future Low Inertia Power Systems. , 2018, , .		24
90	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

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91	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
92	Synthetic Inertia Control of Grid-connected Inverter Considering the Synchronization Dynamics. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	24
93	Duty cycle-based three-level space-vector pulse-width modulation with overmodulation and neutral-point balancing capabilities for three-phase neutral-point clamped inverters. IET Power Electronics, 2015, 8, 1931-1940.	2.1	23
94	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
95	A unified active damping control for single-phase differential mode buck inverter with LCL-filter. , 2015, , .		21
96	Coordinated control for harmonic mitigation of parallel voltage-source inverters. CES Transactions on Electrical Machines and Systems, 2018, 2, 276-283.	3.5	20
97	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
98	Device-Level Loss Balancing Control for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2021, 36, 4778-4790.	7.9	20
99	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
100	A modular multilevel converter-based grid-tied battery-supercapacitor hybrid energy storage system with decoupled power control. , 2016, , .		19
101	Design of virtual synchronous generators with enhanced frequency regulation and reduced voltage distortions. , 2018, , .		19
102	Magnetic Integration of LTL Filter With Two LC-Traps for Grid-Connected Power Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1434-1446.	5.4	19
103	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
104	Power decoupling with autonomous reference generation for single-phase differential inverters. , 2015, , .		18
105	Grid Inertia Support Enabled by Smart Loads. IEEE Transactions on Power Electronics, 2021, 36, 947-957.	7.9	18
106	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
107	Passivity-Based Synchronization Stability Analysis for Power-Electronic-Interfaced Distributed Generations. IEEE Transactions on Sustainable Energy, 2021, 12, 1141-1150.	8.8	17
108	Inertia Emulation through Supercapacitor Energy Storage Systems. , 2019, , .		17

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109	A dual voltage control strategy for single-phase PWM converters with power decoupling function. , 2014, , .		16
110	Decoupling of fluctuating power in single-phase systems through a symmetrical half-bridge circuit. , 2014, , .		16
111	Generalized stability regions of current control for LCL-filtered grid-connected converters without passive or active damping. , 2015, , .		16
112	Decentralized control of DC microgrid clusters. , 2017, , .		16
113	Decentralized control of two DC microgrids interconnected with tie-line. Journal of Modern Power Systems and Clean Energy, 2017, 5, 599-608.	5.4	16
114	Synchronization Stability Analysis of Grid-Forming Inverter: A Black Box Methodology. IEEE Transactions on Industrial Electronics, 2022, 69, 13069-13078.	7.9	16
115	Communication-less harmonic compensation in a multi-bus microgrid through autonomous control of distributed generation grid-interfacing converters. Journal of Modern Power Systems and Clean Energy, 2015, 3, 597-609.	5.4	15
116	A battery/supercapacitor hybrid energy storage system for DC microgrids. , 2016, , .		15
117	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
118	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
119	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
120	Power decoupling method for single phase differential buck converter. , 2015, , .		14
121	Secondary control for DC microgrids: A review. , 2016, , .		14
122	Comparative studies on the multi-component pharmacokinetics of Aristolochiae Fructus and honey-fried Aristolochiae Fructus extracts after oral administration in rats. BMC Complementary and Alternative Medicine, 2017, 17, 107.	3.7	14
123	Inertia Emulation by Flywheel Energy Storage System for Improved Frequency Regulation. , 2018, , .		14
124	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
125	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
126	DQ reference frame modeling and control of single-phase active power decoupling circuits. , 2015, , .		13

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127	A dual mode operated boost inverter and its control strategy for ripple current reduction in single-phase uninterruptible power supplies. , 2015, , .		13
128	Benchmark of AC and DC active power decoupling circuits for second-order harmonic mitigation in kW-scale single-phase inverters. , 2015, , .		13
129	Drop control of a bipolar dc microgrid for load sharing and voltage balancing. , 2017, , .		13
130	An Optimal Digital Pulse-Width-Modulated Dither Technique to Enhance the Resolution of High-Frequency Power Converters. IEEE Transactions on Power Electronics, 2017, 32, 7222-7232.	7.9	13
131	Reduction of dc-link capacitance for three-phase three-wire shunt active power filters. , 2013, , .		12
132	Transformerless photovoltaic inverters with leakage current and pulsating power elimination. , 2015, , .		12
133	Even-harmonic repetitive control for circulating current suppression in Modular Multilevel Converters. , 2016, , .		12
134	Autonomous DC-Link Voltage Restoration for Grid-Connected Power Converters Providing Virtual Inertia. , 2018, , .		12
135	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
136	Analysis and control of post regulation of wireless power transfer systems. , 2016, , .		11
137	A novel distributed control strategy for modular multilevel converters. , 2017, , .		11
138	Feedback linearization based current control strategy for modular multilevel converters. , 2017, , .		11
139	Synthetic-Inertia-Based Modular Multilevel Converter Frequency Control for Improved Micro-Grid Frequency Regulation. , 2018, , .		11
140	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
141	Open-circuit fault diagnosis of switching devices in a modular multilevel converter with distributed control. , 2017, , .		10
142	System frequency regulation in Singapore using distributed energy storage systems. , 2017, , .		10
143	Explore the Capability of Power Electronic Converters in Providing Power System Virtual Inertia. , 2018, , .		10
144	Small-Signal Modeling, Stability Analysis, and Controller Design of Grid-Friendly Power Converters with Virtual Inertia and Grid-Forming Capability. , 2019, , .		10

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145	Evaluating Small-Signal Synchronization Stability of Grid-Forming Converter: A Geometrical Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 9087-9098.	7.9	9
146	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
147	Exploring inherent damping characteristic of LCL-filters for three-phase grid-connected voltage source inverters. , 2010, , .		8
148	A burst mode pulse density modulation scheme for inductive power transfer systems without communication modules. , 2018, , .		8
149	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
150	Coil Relative Position Transient Issue in Wireless Power Transfer Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 2621-2630.	7.9	8
151	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
152	Coil Comparison and Downscaling Principles of Inductive Wireless Power Transfer Systems. , 2020, , .		8
153	Design of LCL-filters with LCL resonance frequencies beyond the Nyquist frequency for grid-connected inverters. , 2015, , .		7
154	A review of passive power filters for voltage-source converters. , 2016, , .		7
155	A fault-tolerant operation scheme for a modular multilevel converter with a distributed control architecture. , 2017, , .		7
156	Power management of virtual synchronous generators through using hybrid energy storage systems. , 2018, , .		7
157	Synchronous Rectification-Based Phase Shift Keying Communication for Wireless Power Transfer Systems. , 2018, , .		7
158	A Computational Method of Active Earth Pressure from Finite Soil Body. Mathematical Problems in Engineering, 2018, 2018, 1-7.	1.1	7
159	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
160	Small-Signal Modeling for Phase-Shift Controlled Resonant Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 11026-11034.	7.9	7
161	A Comprehensive Study on the Modulation Ratio for Modular Multilevel Converters. IEEE Transactions on Industry Applications, 2022, , 1-1.	4.9	7
162	Design, control, and implementation of LCL-filter-based shunt active power filters. , 2011, , .		6

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163	A novel harmonic control approach of distributed generation converters in a weak microgrid. , 2014, , .		6
164	A common magnetic integration method for single-phase LCL filters and LLCL filters. , 2017, , .		6
165	An Online Open-Circuit Fault Diagnosis and Fault Tolerant Scheme for Three-Phase AC-DC Converters with Model Predictive control. , 2018, , .		6
166	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
167	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
168	A Compact Dynamic Wireless Power Transfer System via Capacitive Coupling Achieving Stable Output. , 2020, , .		6
169	Transient maximum power point tracking for single-stage grid-tied inverter. , 2009, , .		5
170	Improvement of frequency stability in power electronics-based power systems. , 2017, , .		5
171	Cascaded Open-Circuit Fault Ride-Through of Modular Multilevel Converters with Model Predictive Control. , 2018, , .		5
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