

Yi Tang

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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.

210
papers

5,610
citations

39
h-index

68
g-index

276
ext. papers

7,594
ext. citations

6.3
avg, IF

6.6
L-index

#	Paper	IF	Citations
210	Generalized Design of High Performance Shunt Active Power Filter With Output LCL Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 1443-1452	8.9	319
209	Exploring Inherent Damping Characteristic of LCL-Filters for Three-Phase Grid-Connected Voltage Source Inverters. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1433-1443	7.2	266
208	TiO ₂ nanoparticle modified organ-like Ti ₃ C ₂ MXene nanocomposite encapsulating hemoglobin for a mediator-free biosensor with excellent performances. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 1022-8	11.8	225
207	Implementation of Hierarchical Control in DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4032-4042	8.9	203
206	Distributed Power System Virtual Inertia Implemented by Grid-Connected Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8488-8499	7.2	196
205	An Organ-Like Titanium Carbide Material (MXene) with Multilayer Structure Encapsulating Hemoglobin for a Mediator-Free Biosensor. <i>Journal of the Electrochemical Society</i> , 2015 , 162, B16-B21	3.9	187
204	A Battery/Ultracapacitor Hybrid Energy Storage System for Implementing the Power Management of Virtual Synchronous Generators. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 2820-2824	7.2	175
203	On the Inertia of Future More-Electronics Power Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 2130-2146	5.6	163
202	Decoupling of Fluctuating Power in Single-Phase Systems Through a Symmetrical Half-Bridge Circuit. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1855-1865	7.2	154
201	Distributed Control for Autonomous Operation of a Three-Port AC/DC/DS Hybrid Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1279-1290	8.9	143
200	Highly Accurate Derivatives for LCL-Filtered Grid Converter With Capacitor Voltage Active Damping. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3612-3625	7.2	128
199	Highly Reliable Transformerless Photovoltaic Inverters With Leakage Current and Pulsating Power Elimination. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 1016-1026	8.9	122
198	A Method to Improve the Dynamic Performance of Moving Average Filter-Based PLL. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 5978-5990	7.2	106
197	Optimal Pulsewidth Modulation of Nine-Switch Converter. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2331-2343	7.2	87
196	Capacitor-Voltage Feedforward With Full Delay Compensation to Improve Weak Grids Adaptability of LCL-Filtered Grid-Connected Converters for Distributed Generation Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 749-764	7.2	83
195	Pulse Density Modulation for Maximum Efficiency Point Tracking of Wireless Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5492-5501	7.2	80
194	A Component-Minimized Single-Phase Active Power Decoupling Circuit With Reduced Current Stress to Semiconductor Switches. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 2905-2910	7.2	79

193	Design of LCL Filters With LCL Resonance Frequencies Beyond the Nyquist Frequency for Grid-Connected Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 3-14	5.6	74
192	A Dual Voltage Control Strategy for Single-Phase PWM Converters With Power Decoupling Function. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 7060-7071	7.2	71
191	Benchmark of AC and DC Active Power Decoupling Circuits for Second-Order Harmonic Mitigation in Kilowatt-Scale Single-Phase Inverters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 15-25	5.6	69
190	An Improved Virtual Inertia Control for Three-Phase Voltage Source Converters Connected to a Weak Grid. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8660-8670	7.2	62
189	Parameter Design of a Novel Series-Parallel-Resonant LCL Filter for Single-Phase Half-Bridge Active Power Filters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 200-217	7.2	61
188	Distributed Control for a Modular Multilevel Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5578-5591	7.2	61
187	A Voltage-Based Open-Circuit Fault Detection and Isolation Approach for Modular Multilevel Converters With Model-Predictive Control. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9866-9874	7.2	60
186	Circulating Current Suppression for MMC-HVDC under Unbalanced Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3250-3259	4.3	56
185	Pulse Density Modulated ZVS Full-Bridge Converters for Wireless Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 369-377	7.2	55
184	Stability Improvement for Three-Phase Grid-Connected Converters Through Impedance Reshaping in Quadrature-Axis. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8365-8375	7.2	53
183	Feedback Linearization-Based Current Control Strategy for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 161-174	7.2	52
182	Explicit Phase Lead Filter Design in Repetitive Control for Voltage Harmonic Mitigation of VSI-Based Islanded Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 817-826	8.9	51
181	Aggregated Energy Storage for Power System Frequency Control: A Finite-Time Consensus Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3675-3686	10.7	51
180	Seamless Fault-Tolerant Operation of a Modular Multilevel Converter With Switch Open-Circuit Fault Diagnosis in a Distributed Control Architecture. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7058-7070	7.2	50
179	Distributed Generation Using Indirect Matrix Converter in Reverse Power Mode. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 1072-1082	7.2	50
178	Frequency Derivative-Based Inertia Enhancement by Grid-Connected Power Converters With a Frequency-Locked-Loop. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4918-4927	10.7	50
177	Real-Time Identification of Power Fluctuations Based on LSTM Recurrent Neural Network: A Case Study on Singapore Power System. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5266-5275	11.9	49
176	An Integral Droop for Transient Power Allocation and Output Impedance Shaping of Hybrid Energy Storage System in DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6262-6277	7.2	46

175	Mixed-frame and stationary-frame repetitive control schemes for compensating typical load and grid harmonics. <i>IET Power Electronics</i> , 2011 , 4, 218	2.2	45
174	An Integrated Trap-LCL Filter With Reduced Current Harmonics for Grid-Connected Converters Under Weak Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8446-8457	7.2	43
173	A Distributed Control Architecture for Global System Economic Operation in Autonomous Hybrid AC/DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2603-2617	10.7	42
172	Multivector Model Predictive Power Control of Three-Phase Rectifiers With Reduced Power Ripples Under Nonideal Grid Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6850-6859	8.9	41
171	Model-Predictive Current Control of Modular Multilevel Converters With Phase-Shifted Pulsewidth Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4368-4378	8.9	39
170	One-Cycle-Controlled Three-Phase PWM Rectifiers With Improved Regulation Under Unbalanced and Distorted Input-Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2786-2796	7.2	39
169	A Three-Level Quasi-Two-Stage Single-Phase PFC Converter with Flexible Output Voltage and Improved Conversion Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 717-726	7.2	38
168	Multiple-Vector Model-Predictive Power Control of Three-Phase Four-Switch Rectifiers With Capacitor Voltage Balancing. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5824-5835	7.2	36
167	Decoupled Power Control for a Modular-Multilevel-Converter-Based Hybrid AC/DC Grid Integrated With Hybrid Energy Storage. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2926-2934	8.9	36
166	A Magnetic Integrated LLCL Filter for Grid-Connected Voltage-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1725-1730	7.2	35
165	Circulating Current Suppression in Modular Multilevel Converters With Even-Harmonic Repetitive Control. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 298-309	4.3	33
164	Robust Design of LCL Filters for Single-Current-Loop-Controlled Grid-Connected Power Converters With Unit PCC Voltage Feedforward. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 54-72	5.6	33
163	Power decoupling techniques for single-phase power electronics systems [An overview 2015 ,		32
162	A Distributed Control Scheme of Thermostatically Controlled Loads for the Building-Microgrid Community. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 350-360	8.2	32
161	Dual-Loop Control Strategy for DFIG-Based Wind Turbines Under Grid Voltage Disturbances. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2239-2253	7.2	31
160	Submodule Voltage Similarity-Based Open-Circuit Fault Diagnosis for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8008-8016	7.2	31
159	Compensation of DC Offset and Scaling Errors in Voltage and Current Measurements of Three-Phase AC/DC Converters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5401-5414	7.2	31
158	Decentralised-distributed hybrid voltage regulation of power distribution networks based on power inverters. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 444-451	2.5	28

157	Deadbeat Predictive Current Control for Modular Multilevel Converters With Enhanced Steady-State Performance and Stability. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 6878-6894	7.2	28
156	Modular Multilevel Converter Synthetic Inertia-Based Frequency Support for Medium-Voltage Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8992-9002	8.9	27
155	Improved one-cycle-control scheme for three-phase active rectifiers with input inductor-capacitor-inductor filters. <i>IET Power Electronics</i> , 2011 , 4, 603	2.2	26
154	Power Decoupling Control for Modular Multilevel Converter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9296-9309	7.2	25
153	High performance solution-processed infrared photodetector based on PbSe quantum dots doped with low carrier mobility polymer poly(N-vinylcarbazole). <i>RSC Advances</i> , 2016 , 6, 44514-44521	3.7	25
152	Mitigation of DC and Harmonic Currents Generated by Voltage Measurement Errors and Grid Voltage Distortions in Transformerless Grid-Connected Inverters. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 801-813	5.4	25
151	Comparison of Superconducting Fault Current Limiter and Dynamic Voltage Restorer for LVRT Improvement of High Penetration Microgrid. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-7	1.8	23
150	Stability Design of Single-Loop Voltage Control With Enhanced Dynamic for Voltage-Source Converters With a Low LC-Resonant-Frequency. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9937-9951	7.2	23
149	High performance solution-processed infrared photodiode based on ternary PbSxSe1-x colloidal quantum dots. <i>RSC Advances</i> , 2016 , 6, 87730-87737	3.7	23
148	Grid-connected power converters with distributed virtual power system inertia 2017 ,		23
147	Ripple Current Reduction for Fuel-Cell-Powered Single-Phase Uninterruptible Power Supplies. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6607-6617	8.9	22
146	A Robust DC-Split-Capacitor Power Decoupling Scheme for Single-Phase Converter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8419-8433	7.2	22
145	Modulated Model Predictive Control for Modular Multilevel Converters With Easy Implementation and Enhanced Steady-State Performance. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9107-9118	7.2	22
144	A Model Predictive Control-Based Open-Circuit Fault Diagnosis and Tolerant Scheme of Three-Phase ACDC Rectifiers. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 2158-2169	5.6	21
143	A Hybrid Ensemble Model for Interval Prediction of Solar Power Output in Ship Onboard Power Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 14-24	8.2	21
142	Duty cycle-based three-level space-vector pulse-width modulation with overmodulation and neutral-point balancing capabilities for three-phase neutral-point clamped inverters. <i>IET Power Electronics</i> , 2015 , 8, 1931-1940	2.2	20
141	Distributed aggregation control of grid-interactive smart buildings for power system frequency support. <i>Applied Energy</i> , 2019 , 251, 113371	10.7	19
140	A Fault-Tolerant Operation Method for Medium Voltage Modular Multilevel Converters With Phase-Shifted Carrier Modulation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9459-9470	7.2	19

139	An Adaptive Carrier Frequency Optimization Method for Harmonic Energy Unbalance Minimization in a Cascaded H-Bridge-Based Active Power Filter. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1024-1037	7.2	18
138	Component analysis and target cell-based neuroactivity screening of Panax ginseng by ultra-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1038, 1-11	3.2	18
137	Two-Dimensional Impedance-Shaping Control With Enhanced Harmonic Power Sharing for Inverter-Based Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11407-11418	7.2	17
136	Power Decoupling Control for Capacitance Reduction in Cascaded-H-Bridge-Converter-Based Regenerative Motor Drive Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 538-549	7.2	17
135	A unified active damping control for single-phase differential mode buck inverter with LCL-filter 2015 ,		15
134	Proactive frequency control based on ultra-short-term power fluctuation forecasting for high renewables penetrated power systems. <i>IET Renewable Power Generation</i> , 2019 , 13, 2166-2173	2.9	15
133	A Low-Subharmonic, Full-Range, and Rapid Pulse Density Modulation Strategy for ZVS Full-Bridge Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8871-8881	7.2	15
132	Research on Capacitance Selection for Modular Multi-Level Converter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8417-8434	7.2	15
131	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4600-4612	8.9	15
130	Active Magnetic Decoupling for Improving the Performance of Integrated LCL-Filters in Grid-Connected Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1367-1376	8.9	15
129	Dynamic Phasor-Based Reduced-Order Models of Wireless Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 11361-11370	7.2	14
128	A modular multilevel converter-based grid-tied battery-supercapacitor hybrid energy storage system with decoupled power control 2016 ,		14
127	Open-Circuit Fault Diagnosis and Tolerance Strategy Applied to Four-Wire T-Type Converter Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5764-5778	7.2	13
126	Finite-Control-Set Model Predictive Control of Modular Multilevel Converters With Cascaded Open-Circuit Fault Ride-Through. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 2943-2953	5.6	13
125	A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1258-1268	5.6	13
124	Design Methodology of Free-Positioning Nonoverlapping Wireless Charging for Consumer Electronics Based on Antiparallel Windings. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	13
123	Control Strategy to Compensate for Current and Voltage Measurement Errors in Three-Phase PWM Rectifiers. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 2879-2889	4.3	12
122	Decentralized control of two DC microgrids interconnected with tie-line. <i>Journal of Modern Power Systems and Clean Energy</i> , 2017 , 5, 599-608	4	12

121	Power decoupling with autonomous reference generation for single-phase differential inverters 2015,		12
120	Decoupled Power Control for Direct-Modulation-Based Modular Multilevel Converter With Improved Stability. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5264-5274	8.9	12
119	Dual Side Phase-Shift Control of Wireless Power Transfer Implemented on Primary Side Based on Driving Windings. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8999-9002	8.9	12
118	Decoupling of fluctuating power in single-phase systems through a symmetrical half-bridge circuit 2014,		11
117	A dual voltage control strategy for single-phase PWM converters with power decoupling function 2014,		11
116	Arm Current Balancing Control for Modular Multilevel Converters Under Unbalanced Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2467-2479	7.2	11
115	A Unified Startup Strategy for Modular Multilevel Converters With Deadbeat Predictive Current Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 1-1	8.9	10
114	Design of virtual synchronous generators with enhanced frequency regulation and reduced voltage distortions 2018,		10
113	Generalized Power Decoupling Control for Single-Phase Differential Inverters With Nonlinear Loads. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 1137-1151	5.6	10
112	DQ reference frame modeling and control of single-phase active power decoupling circuits 2015,		10
111	Comparative studies on the multi-component pharmacokinetics of Aristolochiae Fructus and honey-fried Aristolochiae Fructus extracts after oral administration in rats. <i>BMC Complementary and Alternative Medicine</i> , 2017 , 17, 107	4.7	9
110	A novel distributed control strategy for modular multilevel converters 2017,		9
109	Generalized stability regions of current control for LCL-filtered grid-connected converters without passive or active damping 2015,		9
108	Benchmark of AC and DC active power decoupling circuits for second-order harmonic mitigation in kW-scale single-phase inverters 2015,		9
107	Transformerless photovoltaic inverters with leakage current and pulsating power elimination 2015,		9
106	A battery/supercapacitor hybrid energy storage system for DC microgrids 2016,		9
105	An Integrated Dual Voltage Loop Control for Capacitance Reduction in CHB-Based Regenerative Motor Drive Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3369-3379	8.9	9
104	Decentralized control of DC microgrid clusters 2017,		9

103	Droop control of a bipolar dc microgrid for load sharing and voltage balancing 2017 ,		9
102	An Optimal Digital Pulse-Width-Modulated Dither Technique to Enhance the Resolution of High-Frequency Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7222-7232	7.2	9
101	A dual mode operated boost inverter and its control strategy for ripple current reduction in single-phase uninterruptible power supplies 2015 ,		9
100	Device-Level Loss Balancing Control for Modular Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4778-4790	7.2	9
99	Magnetic Integration of LTL Filter With Two LC-Traps for Grid-Connected Power Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1434-1446	5.6	9
98	Coordinated control for harmonic mitigation of parallel voltage-source inverters. <i>CES Transactions on Electrical Machines and Systems</i> , 2018 , 2, 276-283	2.3	9
97	Coordinated Optimal Energy Management and Voyage Scheduling for All-Electric Ships Based on Predicted Shore-Side Electricity Price. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 139-148	4.3	9
96	Feedback linearization based current control strategy for modular multilevel converters 2017 ,		8
95	Communication-less harmonic compensation in a multi-bus microgrid through autonomous control of distributed generation grid-interfacing converters. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 597-609	4	8
94	Power decoupling method for single phase differential buck converter 2015 ,		8
93	An Operation Mode Selection Method of Dual-Side Bridge Converters for Efficiency Optimization in Inductive Power Transfer. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 9992-9997	7.2	8
92	Even-harmonic repetitive control for circulating current suppression in Modular Multilevel Converters 2016 ,		8
91	Indirect dc-link voltage control of two-stage single-phase PV inverter 2009 ,		8
90	Secondary control for DC microgrids: A review 2016 ,		8
89	Synthetic Inertia Control of Grid-Connected Inverter Considering the Synchronization Dynamics. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	8
88	Autonomous DC-Link Voltage Restoration for Grid-Connected Power Converters Providing Virtual Inertia 2018 ,		8
87	The Role of Power Electronics in Future Low Inertia Power Systems 2018 ,		8
86	Robust Power Sharing Control for Parallel Three-phase Inverters Against Voltage Measurement Errors. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13590-13601	7.2	7

85	Toward Large-Signal Stabilization of Floating Dual Boost Converter-Powered DC Microgrids Feeding Constant Power Loads. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 580-589	5.6	7
84	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. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	7
83	Analysis and Control of Post Regulation of Wireless Power Transfer Systems 2016 ,		6
82	Grid Inertia Support Enabled by Smart Loads. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 947-957	7.2	6
81	Synthetic-Inertia-Based Modular Multilevel Converter Frequency Control for Improved Micro-Grid Frequency Regulation 2018 ,		6
80	Extending the Operating Region of Inductive Power Transfer Systems Through Dual-Side Cooperative Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9302-9312	8.9	5
79	A novel harmonic control approach of distributed generation converters in a weak microgrid 2014 ,		5
78	Open-circuit fault diagnosis of switching devices in a modular multilevel converter with distributed control 2017 ,		5
77	System frequency regulation in Singapore using distributed energy storage systems 2017 ,		5
76	A fault-tolerant operation scheme for a modular multilevel converter with a distributed control architecture 2017 ,		5
75	Exploring inherent damping characteristic of LCL-filters for three-phase grid-connected voltage source inverters 2010 ,		5
74	A Joint Photovoltaic-Dependent Navigation Routing and Energy Storage System Sizing Scheme for More Efficient All-Electric Ships. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1279-1289	7.6	5
73	Passivity-Based Synchronization Stability Analysis for Power-Electronic-Interfaced Distributed Generations. <i>IEEE Transactions on Sustainable Energy</i> , 2021 , 12, 1141-1150	8.2	5
72	Improvement of frequency stability in power electronics-based power systems 2017 ,		4
71	Design, control, and implementation of LCL-filter-based shunt active power filters 2011 ,		4
70	Transient maximum power point tracking for single-stage grid-tied inverter 2009 ,		4
69	Inertia Emulation through Supercapacitor Energy Storage Systems 2019 ,		4
68	Soft Switching for Strongly Coupled Wireless Power Transfer System With 90° Dual-Side Phase Shift. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4

67	Synchronous Rectification-Based Phase Shift Keying Communication for Wireless Power Transfer Systems 2018 ,		4
66	An Online Open-Circuit Fault Diagnosis and Fault Tolerant Scheme for Three-Phase AC-DC Converters with Model Predictive control 2018 ,		4
65	Design of LCL-filters with LCL resonance frequencies beyond the Nyquist frequency for grid-connected inverters 2015 ,		3
64	Optimal Control Parameter Design for Dual-Loop Controlled Grid-Forming VSCs 2020 ,		3
63	Power management of virtual synchronous generators through using hybrid energy storage systems 2018 ,		3
62	A burst mode pulse density modulation scheme for inductive power transfer systems without communication modules 2018 ,		3
61	A Computational Method of Active Earth Pressure from Finite Soil Body. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-7	1.1	3
60	Reduction of dc-link capacitance for three-phase three-wire shunt active power filters 2013 ,		3
59	A common magnetic integration method for single-phase LCL filters and LLCL filters 2017 ,		3
58	Synchronization Stability Analysis of Grid-forming Inverter: A Black Box Methodology. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
57	A Hybrid AC/DC Microgrid with Bidirectional Virtual Inertia Support 2019 ,		3
56	Small-Signal Modeling, Stability Analysis, and Controller Design of Grid-Friendly Power Converters with Virtual Inertia and Grid-Forming Capability 2019 ,		3
55	Utilizing the Dead-Time Effect to Achieve Decentralized Reactive Power Sharing in Islanded AC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 2350-2361	5.6	3
54	Small-Signal Modeling for Phase-Shift Controlled Resonant Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11026-11034	8.9	3
53	Inertia Emulation by Flywheel Energy Storage System for Improved Frequency Regulation 2018 ,		3
52	Cascaded Open-Circuit Fault Ride-Through of Modular Multilevel Converters with Model Predictive Control 2018 ,		3
51	Reshaping Quadrature-Axis Impedance of Three-Phase Grid-Connected Converters for Low-Frequency Stability Improvement 2018 ,		3
50	Explore the Capability of Power Electronic Converters in Providing Power System Virtual Inertia 2018 ,		3

49	Small-Signal Models of Resonant Converter With Consideration of Different Duty-Cycle Control Schemes. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13234-13247	7.2	3
48	One-cycle controlled three-phase PWM rectifiers with improved regulation under unbalanced and distorted input voltage conditions 2009 ,		2
47	Optimized Parameter Design of the Dual-Loop Control for Grid-Forming VSCs With LC Filters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	2
46	Configuration and Operation of Nine-Arm Modular Multilevel Converter With Improved Hybrid Submodules. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6389-6403	7.2	2
45	Robust power decoupling control scheme for DC side split decoupling capacitor circuit with mismatched capacitance in single phase system 2016 ,		2
44	A Compact Interlinking Converter Modular for Hybrid AC/DC/DS Microgrids with a Decentralized Power Management Strategy 2019 ,		2
43	A Converter Based Power System Stabilizer for Stability Enhancement of Droop Controlled Islanded Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	2
42	Robust Frequency Regulation with Hybrid Energy Storage Systems in Islanded Microgrids 2018 ,		2
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