Yi Tang

List of Publications by Year in Descending Order

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	A Comprehensive Study on the Modulation Ratio for Modular Multilevel Converters. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	2
209	A Generic Voltage Control for Grid-Forming Converters with Improved Power Loop Dynamics. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	1
208	Synchronization Stability Analysis of Grid-forming Inverter: A Black Box Methodology. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	3
207	Optimized Parameter Design of the Dual-Loop Control for Grid-Forming VSCs With LC Filters. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	2
206	General Multi-Frequency Small-Signal Model for Resonant Converters. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	
205	Configuration and Operation of Nine-Arm Modular Multilevel Converter With Improved Hybrid Submodules. *IEEE Transactions on Power Electronics*, **2021**, 36, 6389-6403	7.2	2
204	Grid Inertia Support Enabled by Smart Loads. *IEEE Transactions on Power Electronics*, **2021**, 36, 947-957	7.2	6
203	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	5.6	13
202	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	8.9	12
201	Small-Signal Modeling for Phase-Shift Controlled Resonant Converters. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11026-11034	8.9	3
200	Passivity-Based Synchronization Stability Analysis for Power-Electronic-Interfaced Distributed Generations. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 1141-1150	8.2	5
199	Device-Level Loss Balancing Control for Modular Multilevel Converters. *IEEE Transactions on Power Electronics*, **2021**, 36, 4778-4790	7.2	9
198	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	5.6	7
197	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	8.2	21
196	Soft Switching for Strongly Coupled Wireless Power Transfer System With 90° Dual-Side Phase Shift. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
195	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*, **2021**, 1-1	8.9	7
194	Unified Active Damping Control Algorithm of Inverter for LCL Resonance and Mechanical Torsional Vibration Suppression. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1

193	Design Methodology of Free-Positioning Nonoverlapping Wireless Charging for Consumer Electronics Based on Antiparallel Windings. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	13
192	A Converter Based Power System Stabilizer for Stability Enhancement of Droop Controlled Islanded Microgrids. *IEEE Transactions on Smart Grid*, **2021**, 1-1	10.7	2
191	Coils Relative Position Transient Issue in Wireless Power Transfer Systems. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
190	Synthetic Inertia Control of Grid-Connected Inverter Considering the Synchronization Dynamics. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	8
189	Evaluating Small-Signal Synchronization Stability of Grid-forming Converter: A Geometrical Approach. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
188	Passive Current Sharing of a Multi-Phase Inverter Based on Parallel Resonance. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1
187	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	7.2	
186	Small-Signal Models of Resonant Converter With Consideration of Different Duty-Cycle Control Schemes. *IEEE Transactions on Power Electronics*, **2021**, 36, 13234-13247	7.2	3
185	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	8.9	2
184	Decoupled Modulation with Common-Mode Load-Voltage Control for Three-Phase Four-Leg Three-Level Inverter. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
183	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	4.3	9
182	Optimal Control Parameter Design for Dual-Loop Controlled Grid-Forming VSCs **2020**,		3
181	Robust Power Sharing Control for Parallel Three-phase Inverters Against Voltage Measurement Errors. *IEEE Transactions on Power Electronics*, **2020**, 35, 13590-13601	7.2	7
180	Practical Submodule Capacitor Sizing for Modular Multilevel Converter Considering Grid Faults. *Applied Sciences (Switzerland)*, **2020**, 10, 3550	2.6	1
179	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	7.2	8
178	A Unified Startup Strategy for Modular Multilevel Converters With Deadbeat Predictive Current Control. *IEEE Transactions on Industrial Electronics*, **2020**, 1-1	8.9	10
177	Extending the Operating Region of Inductive Power Transfer Systems Through Dual-Side Cooperative Control. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 9302-9312	8.9	5
176	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	

175	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	7.2	22
174	Coil Comparison and Downscaling Principles of Inductive Wireless Power Transfer Systems **2020**,		1
173	A Low Voltage Ride Through Strategy with Load and Grid Support for Grid-Forming Converters **2020**,		1
172	A Design Methodology of a Free Positioning None- Overlapping Wireless Charging System for Consumer Electronics with a Limited Parameter Variation **2020**,		1
171	Deadbeat Predictive Current Control for Modular Multilevel Converters With Enhanced Steady-State Performance and Stability. *IEEE Transactions on Power Electronics*, **2020**, 35, 6878-6894	7.2	28
170	Mechanism of Carbon Finance's Influence on Radical Low-Carbon Innovation with Evidence from China. *Sustainability*, **2020**, 12, 7708	3.6	0
169	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	7.6	5
168	A Distributed Control Scheme of Thermostatically Controlled Loads for the Building-Microgrid Community. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 350-360	8.2	32
167	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	5.6	3
166	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	5.6	13
165	. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4600-4612	8.9	15
164	Arm Current Balancing Control for Modular Multilevel Converters Under Unbalanced Grid Conditions. *IEEE Transactions on Power Electronics*, **2020**, 35, 2467-2479	7.2	11
163	Control Strategy to Compensate for Current and Voltage Measurement Errors in Three-Phase PWM Rectifiers. *IEEE Transactions on Industry Applications*, **2019**, 55, 2879-2889	4.3	12
162	Distributed aggregation control of grid-interactive smart buildings for power system frequency support. *Applied Energy*, **2019**, 251, 113371	10.7	19
161	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	11.9	49
160	Two-Dimensional Impedance-Shaping Control With Enhanced Harmonic Power Sharing for Inverter-Based Microgrids. *IEEE Transactions on Power Electronics*, **2019**, 34, 11407-11418	7.2	17
159	Dynamic Phasor-Based Reduced-Order Models of Wireless Power Transfer Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 11361-11370	7.2	14
158	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	8.9	36

157	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	5.6	10
156	Model-Predictive Current Control of Modular Multilevel Converters With Phase-Shifted Pulsewidth Modulation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 4368-4378	8.9	39
155	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	8.9	9
154	Aggregated Energy Storage for Power System Frequency Control: A Finite-Time Consensus Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 3675-3686	10.7	51
153	Decentralised-distributed hybrid voltage regulation of power distribution networks based on power inverters. *IET Generation, Transmission and Distribution*, **2019**, 13, 444-451	2.5	28
152	Stability Analysis and Improvement of Three-Phase Grid-Connected Power Converters with Virtual Inertia Control **2019**,		1
151	Inertia Emulation through Supercapacitor Energy Storage Systems **2019**,		4
150	A Hybrid AC/DC Microgrid with Bidirectional Virtual Inertia Support **2019**,		3
149	A Deep Learning Method for Power Fluctuation Identification from Frequency Fluctuations **2019**,		1
148	Coupling Effect of Active and Reactive Power Controls on Synchronous Stability of VSGs **2019**,		1
147	A Compact Wireless Charger Design with Decoupled Quadruple-D Inductor for LCC-Series Topologies **2019**,		1
146	Small-Signal Modeling, Stability Analysis, and Controller Design of Grid-Friendly Power Converters with Virtual Inertia and Grid-Forming Capability **2019**,		3
145	A Compact Interlinking Converter Modular for Hybrid AC/DC/DS Microgrids with a Decentralized Power Management Strategy **2019**,		2
144	Impact of the Circulating Current Control on Transient Submodule Voltage Stresses for Grid-Tied Modular Multilevel Converters During Grid Faults **2019**,		1
143	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	2.9	15
142	A Novel Fault-Tolerant Control Method for Modular Multilevel Converter with an Improved Phase Disposition Level-Shifted PWM **2019**,		1
141	Decoupled Power Control for Direct-Modulation-Based Modular Multilevel Converter With Improved Stability. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 5264-5274	8.9	12
140	Frequency Derivative-Based Inertia Enhancement by Grid-Connected Power Converters With a Frequency-Locked-Loop. *IEEE Transactions on Smart Grid*, **2019**, 10, 4918-4927	10.7	50

139	A Model Predictive Control-Based Open-Circuit Fault Diagnosis and Tolerant Scheme of Three-Phase ACDC Rectifiers. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2019**, 7, 2158-2169	5.6	21
138	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	7.2	15
137	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	7.2	19
136	Modular Multilevel Converter Synthetic Inertia-Based Frequency Support for Medium-Voltage Microgrids. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 8992-9002	8.9	27
135	Open-Circuit Fault Diagnosis and Tolerance Strategy Applied to Four-Wire T-Type Converter Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 5764-5778	7.2	13
134	On the Inertia of Future More-Electronics Power Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2019**, 7, 2130-2146	5.6	163
133	Research on Capacitance Selection for Modular Multi-Level Converter. *IEEE Transactions on Power Electronics*, **2019**, 34, 8417-8434	7.2	15
132	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	7.2	62
131	Submodule Voltage Similarity-Based Open-Circuit Fault Diagnosis for Modular Multilevel Converters. *IEEE Transactions on Power Electronics*, **2019**, 34, 8008-8016	7.2	31
130	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	7.2	17
129	Pulse Density Modulated ZVS Full-Bridge Converters for Wireless Power Transfer Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 369-377	7.2	55
128	A Distributed Control Architecture for Global System Economic Operation in Autonomous Hybrid AC/DC Microgrids. *IEEE Transactions on Smart Grid*, **2019**, 10, 2603-2617	10.7	42
127	Distributed Power System Virtual Inertia Implemented by Grid-Connected Power Converters. *IEEE Transactions on Power Electronics*, **2018**, 33, 8488-8499	7.2	196
126	Circulating Current Suppression in Modular Multilevel Converters With Even-Harmonic Repetitive Control. *IEEE Transactions on Industry Applications*, **2018**, 54, 298-309	4.3	33
125	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	7.2	23
124	Power Decoupling Control for Modular Multilevel Converter. *IEEE Transactions on Power Electronics* , **2018**, 33, 9296-9309	7.2	25
123	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	7.2	60
122	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	5.6	33

121	Power management of virtual synchronous generators through using hybrid energy storage systems **2018**,		3
120	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	8.9	41
119	A burst mode pulse density modulation scheme for inductive power transfer systems without communication modules **2018**,		3
118	Design of virtual synchronous generators with enhanced frequency regulation and reduced voltage distortions **2018**,		10
117	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	7.2	36
116	Measuring and forecasting the volatility of USD/CNY exchange rate with multi-fractal theory. *Soft Computing*, **2018**, 22, 5395-5406	3.5	
115	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	7.2	18
114	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	7.2	83
113	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	7.2	175
112	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	7.2	50
111	Distributed Control for a Modular Multilevel Converter. *IEEE Transactions on Power Electronics*, **2018**, 33, 5578-5591	7.2	61
110	A Computational Method of Active Earth Pressure from Finite Soil Body. *Mathematical Problems in Engineering*, **2018**, 2018, 1-7	1.1	3
109	Feedback Linearization-Based Current Control Strategy for Modular Multilevel Converters. *IEEE Transactions on Power Electronics*, **2018**, 33, 161-174	7.2	52
108	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	5.6	9
107	Stability Improvement for Three-Phase Grid-Connected Converters Through Impedance Reshaping in Quadrature-Axis. *IEEE Transactions on Power Electronics*, **2018**, 33, 8365-8375	7.2	53
106	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	5.4	25
105	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	7.2	46
104	Active Magnetic Decoupling for Improving the Performance of Integrated LCL-Filters in Grid-Connected Converters. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 1367-1376	8.9	15

103	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	7.2	31
102	Pulse Density Modulation for Maximum Efficiency Point Tracking of Wireless Power Transfer Systems. *IEEE Transactions on Power Electronics*, **2018**, 33, 5492-5501	7.2	80
101	Synchronous Rectification-Based Phase Shift Keying Communication for Wireless Power Transfer Systems **2018**,		4
100	Explore the Operating Limit of Cascaded H-Bridge Converters with Uneven Power Distribution **2018**,		1
99	Mitigating the Harmonics of Parallel-Inverter Systems Considering Nonlinear Loads and Deadtime **2018**,		1
98	Synthetic-Inertia-Based Modular Multilevel Converter Frequency Control for Improved Micro-Grid Frequency Regulation **2018**,		6
97	Inertia Emulation by Flywheel Energy Storage System for Improved Frequency Regulation **2018**,		3
96	Cascaded Open-Circuit Fault Ride-Through of Modular Multilevel Converters with Model Predictive Control **2018**,		3
95	Robust Frequency Regulation with Hybrid Energy Storage Systems in Islanded Microgrids **2018**,		2
94	Autonomous DC-Link Voltage Restoration for Grid-Connected Power Converters Providing Virtual Inertia **2018**,		8
93	Reshaping Quadrature-Axis Impedance of Three-Phase Grid-Connected Converters for Low-Frequency Stability Improvement **2018**,		3
92	Reduced-Order Dynamical Models of Tuned Wireless Power Transfer Systems **2018**,		1
91	A Fast Open-Circuit Fault Diagnosis Scheme for Modular Multilevel Converters with Model Predictive Control **2018**,		2
90	Coordinated control for harmonic mitigation of parallel voltage-source inverters. *CES Transactions on Electrical Machines and Systems*, **2018**, 2, 276-283	2.3	9
89	P2-025: THE EFFICACY OF COMPUTERIZED COGNITIVE TRAINING IN PATIENTS WITH VASCULAR COGNITIVE IMPAIRMENT, NO DEMENTIA (THE COG-VACCINE STUDY): A RANDOMIZED CONTROLLED TRIAL **2018**, 14, P675-P676		
88	A Monotonic Output Regulation Method for Series-Series Compensated Inductive Power Transfer Systems with Improved Efficiency and Communication-Less Control **2018**,		2
87	Distributed Secondary Control of Energy Storage Systems in Islanded AC Microgrids **2018**,		2
86	The Role of Power Electronics in Future Low Inertia Power Systems **2018**,		8

85	Inertia Enhancement by Grid-Connected Power Converters with Frequency-Locked-Loops for Frequency Derivative Estimation **2018**,		2
84	Explore the Capability of Power Electronic Converters in Providing Power System Virtual Inertia **2018**,		3
83	An Online Open-Circuit Fault Diagnosis and Fault Tolerant Scheme for Three-Phase AC-DC Converters with Model Predictive control **2018**,		4
82	Modeling the dynamics of wireless power transfer using a generalized average model of high-Q resonators **2018**,		1
81	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	8.9	51
80	Parameter Design of a Novel Series-Parallel-Resonant LCL Filter for Single-Phase Half-Bridge Active Power Filters. *IEEE Transactions on Power Electronics*, **2017**, 32, 200-217	7.2	61
79	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	7.2	43
78	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	1.8	23
77	Circulating Current Suppression for MMC-HVDC under Unbalanced Grid Conditions. *IEEE Transactions on Industry Applications*, **2017**, 53, 3250-3259	4.3	56
76	Ripple Current Reduction for Fuel-Cell-Powered Single-Phase Uninterruptible Power Supplies. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 6607-6617	8.9	22
75	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	4.7	9
74	A novel distributed control strategy for modular multilevel converters **2017**,		9
73	Feedback linearization based current control strategy for modular multilevel converters **2017**,		8
72	A Robust DC-Split-Capacitor Power Decoupling Scheme for Single-Phase Converter. *IEEE Transactions on Power Electronics*, **2017**, 32, 8419-8433	7.2	22
71	Decentralized control of DC microgrid clusters **2017**,		9
70	Droop control of a bipolar dc microgrid for load sharing and voltage balancing **2017**,		9
69	Decentralized control of two DC microgrids interconnected with tie-line. *Journal of Modern Power Systems and Clean Energy*, **2017**, 5, 599-608	4	12
68	Open-circuit fault diagnosis of switching devices in a modular multilevel converter with distributed control **2017**,		5

67	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	7.2	9
66	A Magnetic Integrated LLCL Filter for Grid-Connected Voltage-Source Converters. *IEEE Transactions on Power Electronics*, **2017**, 32, 1725-1730	7.2	35
65	Improvement of frequency stability in power electronics-based power systems **2017**,		4
64	System frequency regulation in Singapore using distributed energy storage systems **2017**,		5
63	Design consideration on size of hybrid electric marine vessel's battery energy storage-Ferry Case Study **2017**,		1
62	A fault-tolerant operation scheme for a modular multilevel converter with a distributed control architecture **2017**,		5
61	Grid-connected power converters with distributed virtual power system inertia **2017**,		23
60	A common magnetic integration method for single-phase LCL filters and LLCL filters **2017**,		3
59	Highly Reliable Transformerless Photovoltaic Inverters With Leakage Current and Pulsating Power Elimination. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 1016-1026	8.9	122
58	Highly Accurate Derivatives for LCL-Filtered Grid Converter With Capacitor Voltage Active Damping. *IEEE Transactions on Power Electronics*, **2016**, 31, 3612-3625	7.2	128
57	Dual-Loop Control Strategy for DFIG-Based Wind Turbines Under Grid Voltage Disturbances. *IEEE Transactions on Power Electronics*, **2016**, 31, 2239-2253	7.2	31
56	A battery/supercapacitor hybrid energy storage system for DC microgrids **2016**,		9
55	High performance solution-processed infrared photodiode based on ternary PbSxSe1⊠ colloidal quantum dots. *RSC Advances*, **2016**, 6, 87730-87737	3.7	23
54	A modular multilevel converter-based grid-tied battery-supercapacitor hybrid energy storage system with decoupled power control **2016**,		14
53	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	3.2	18
52	Even-harmonic repetitive control for circulating current suppression in Modular Multilevel Converters **2016**,		8
51	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	5.6	74
50	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	5.6	69

49	Analysis and Control of Post Regulation of Wireless Power Transfer Systems **2016**,		6
48	Robust power decoupling control scheme for DC side split decoupling capacitor circuit with mismatched capacitance in single phase system **2016**,		2
47	A review of passive power filters for voltage-source converters **2016**,		1
46	Simplified multi-objective co-control to improve performance of three-phase grid-connected inverters under unbalanced grid conditions **2016**,		1
45	Secondary control for DC microgrids: A review **2016**,		8
44	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	3.7	25
43	A Method to Improve the Dynamic Performance of Moving Average Filter-Based PLL. *IEEE Transactions on Power Electronics*, **2015**, 30, 5978-5990	7.2	106
42	TiO2 nanoparticle modified organ-like Ti3C2 MXene nanocomposite encapsulating hemoglobin for a mediator-free biosensor with excellent performances. *Biosensors and Bioelectronics*, **2015**, 74, 1022-8	11.8	225
41	Generalized stability regions of current control for LCL-filtered grid-connected converters without passive or active damping **2015**,		9
40	Design of LCL-filters with LCL resonance frequencies beyond the Nyquist frequency for grid-connected inverters **2015**,		3
39	Benchmark of AC and DC active power decoupling circuits for second-order harmonic mitigation in kW-scale single-phase inverters **2015**,		9
38	Power decoupling techniques for single-phase power electronics systems An overview **2015**,		32
37	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	4	8
36	Transformerless photovoltaic inverters with leakage current and pulsating power elimination **2015**,		9
35	A unified active damping control for single-phase differential mode buck inverter with LCL-filter **2015**,		15
34	Power decoupling method for single phase differential buck converter **2015**,		8
33	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	3.9	187
32	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	7.2	38

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