

# Yunwei Ryan Li

## List of Publications by Year in Descending Order

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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.

309  
papers

11,099  
citations

52  
h-index

99  
g-index

370  
ext. papers

14,509  
ext. citations

6.5  
avg, IF

7.33  
L-index

#	Paper	IF	Citations
309	Generalized Low Switching Frequency Modulation for Neutral-Point-Clamped and Flying-Capacitor Four-Level Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	0
308	Integrated Regenerative Braking Energy Utilization System for Multi-Substations in Electrified Railways. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	4
307	Capacitor Pre-Charge Method for Back-to-Back Seven-Level Hybrid Clamped Converter without Extra Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	
306	Inertia Emulation and Fast Frequency-droop Control Strategy of a Point-to-point VSC-HVDC Transmission System for Asynchronous Grid Interconnection. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	0
305	A New Power Converter for Current Source Converter-Based Wind Energy System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	0
304	A Periodic-Steady-State Analysis Model in Time Domain for Dual Active Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 4121-4132	7.2	1
303	Editorial 2022: A New Volume, A New Year. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 5-6	7.2	
302	Model-Based Closed-Loop Control for High-Power Current Source Rectifiers under Selective Harmonic Elimination/Compensation PWM with Fast Dynamics. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	0
301	Non-isolated DC-DC Power Converter Synthesis using Low-entropy Equations. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	3
300	Transformerless Series-Connected Current Source Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	2
299	A Direct Actual-Power Control Scheme for Current-Fed Dual-Active-Bridge DC/DC Converter Based on Virtual Impedance Estimation. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	1
298	Model Predictive Control for Grid-Connected Current-Source Converter With Enhanced Robustness and Grid-Current Feedback Only. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	0
297	Monopolar Fault Reconfiguration of Bipolar Half Bridge Converter for Reliable Load Supply in DC Distribution System. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	0
296	A Control Strategy for Wireless EV Charging System to Improve Weak Coupling Output Based on Variable Inductor and Capacitor. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 1-1	7.2	2
295	Step-Down DCDC Converters: An Overview and Outlook. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1693	2.6	1
294	A Design Methodology to Synthesize First Degree Single-Path Hybrid DCDC Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 12336-12345	7.2	1
293	Three-phase Flying Capacitor Clamped Current Source Converter with Active Capacitor Voltage and CMV Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0

292	Deep Reinforcement Learning-Aided Efficiency Optimized Dual Active Bridge Converter for the Distributed Generation System. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	4
291	A Carrier-Based Modulation Strategy for Modular Isolated Matrix Rectifiers. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
290	A Multiport Embedded dc Power Flow Controller for Meshed dc Distribution Grids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
289	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	3
288	An Input-Oriented Power Sharing Control Scheme with Fast-Dynamic Response for ISOP DAB dc-dc Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	2
287	Unified Control of the Parallel LCC-VSCs Interlinking Converters in a Hybrid AC/DC Network. <i>IEEE Transactions on Smart Grid</i> , <b>2021</b> , 1-1	10.7	0
286	Hybrid Voltage Balancing Control for Four-Level Hybrid-Clamped Converters with Low Switching Frequency. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	1
285	Cyber-Security of Smart Microgrids: A Survey. <i>Energies</i> , <b>2021</b> , 14, 27	3.1	31
284	A New Space Vector Modulation Strategy to Enhance AC Current Quality of Isolated DC/AC Matrix Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2602-2612	4.3	2
283	Formulation of a wind farm control strategy considering lifetime of DC-link capacitor bank of type IV wind turbines. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 2766-2777	2.9	1
282	Dual-Port Inverters With Internal DC/DC Conversion for Adjustable DC-Link Voltage Operation of Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 6917-6928	7.2	6
281	A Simple Desaturation-Based Protection Circuit for GaN HEMT With Ultrafast Response. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 6978-6987	7.2	3
280	Two-Stage Model Predictive Control of Neutral-Point-Clamped Inverter-Fed Permanent-Magnet Synchronous Motor Drives Under Balanced and Unbalanced DC Links. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3750-3759	8.9	11
279	A Centralized CB-MPC to Suppress Low-Frequency ZSCC in Modular Parallel Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2760-2771	8.9	7
278	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3739-3749	8.9	8
277	A Composite Selective Harmonic Elimination Model Predictive Control for Seven-Level Hybrid-Clamped Inverters With Optimal Switching Patterns. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 274-284	7.2	14
276	SVM Strategy for Mitigating Low-Order Harmonics in Isolated AC/DC Matrix Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 583-596	7.2	8
275	Optimal Overlap-Time Distribution of Space Vector Modulation for Current-Source Rectifier. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4586-4597	8.9	14

274	A Direct Current Control Scheme With Compensation Operation and Circuit-Parameter Estimation for Full-Bridge DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1130-1142	7.2	4
273	Virtual Resistor Based Second-Order Ripple Sharing Control for Distributed Bidirectional DCDC Converters in Hybrid ACDC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 2258-2269	7.2	10
272	Discrete-Time SMO Sensorless Control of Current Source Converter-Fed PMSM Drives With Low Switching Frequency. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2120-2129	8.9	17
271	Coordination Control of Modulation Index and Phase Shift Angle for Current Stress Reduction in Isolated ACDC Matrix Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 4585-4596	7.2	8
270	Multiresonant and Multimode Operation of the Switched-Resonator Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 5622-5634	7.2	3
269	Aggregated-Impedance-Based Stability Analysis for a Parallel-Converter System Considering the Coupling Effect of Voltage Feedforward Control and Reactive Power Injection. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 5954-5970	7.2	2
268	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 3751-3761	11.9	73
267	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 2748-2767	7.2	19
266	An Active Bypass Pulse Injection-Based Low Switching Frequency PWM Approach for Harmonic Compensation of Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1614-1625	7.2	3
265	Reconsideration of Grid-Friendly Low-Order Filter Enabled by Parallel Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3177-3188	5.6	5
264	An Improved SVM Strategy to Reduce DC Current Ripple for ACDC Matrix Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 570-579	4.3	3
263	. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3354-3366	7.2	10
262	Hybrid AC/DC Network With Parallel LCC-VSC Interlinking Converters. <i>IEEE Transactions on Power Systems</i> , <b>2021</b> , 36, 722-731	7	5
261	. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 682-692	5.4	3
260	Communication-Free Power Management Strategy for the Multiple DAB-Based Energy Storage System in Islanded DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 4828-4838	7.2	11
259	Multilevel CSC System Based on Series-Parallel Connected Three-Phase Modules With Optimized Carrier-Shift SPWM. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 3957-3966	7.2	5
258	Finite Control Set Model Predictive Control for ACDC Matrix Converter With Virtual Space Vectors. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 616-628	5.6	13
257	Multi-rate Finite-Control-Set Model Predictive Control for High Switching Frequency Power Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	10

256	State of Health Estimation of Lithium-ion Battery Based on Constant-Voltage Charging Reconstruction. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	17
255	Pulsewidth Modulated Switched Resonator Converter Having Continuous Buck Gain. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
254	Model Predictive Power Control of Grid-Connected Quasi Single-Stage Converters for High-Efficiency Low-Voltage ESS Integration. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	3
253	Modified Carrier-Overlapped PWM with Balanced Capacitors and Eliminated Dead-Time Spikes for Four-Level NNPC Converters under Low Frequency. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	3
252	Design and Analysis of a Flow-Control Valve With Controllable Pressure Compensation Capability for Mobile Machinery. <i>IEEE Access</i> , <b>2021</b> , 9, 98361-98368	3.5	2
251	Multi-Port DC-AC Converter with Differential Power Processing DC-DC Converter and Flexible Power Control for Battery ESS Integrated PV Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	5
250	Rapid Impedance Measurement Approach Based on Wideband Excitation for Single-Phase Four-Quadrant Converter of High-Speed Train. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	5
249	Unified Fast-Dynamic Direct-Current Control Scheme for Intermediary Inductive AC-Link Isolated DC-DC Converters. <i>IEEE Open Journal of Power Electronics</i> , <b>2021</b> , 1-1	2.5	2
248	High-power current source converters <b>2021</b> , 367-402		1
247	The Evolutions of Multilevel Converter Topology: A Roadmap of Topological Invention. <i>IEEE Industrial Electronics Magazine</i> , <b>2021</b> , 2-9	6.2	4
246	A Survey of Powertrain Technologies for Energy-Efficient Heavy-Duty Machinery. <i>Proceedings of the IEEE</i> , <b>2021</b> , 109, 279-308	14.3	11
245	Dynamic Analysis of Multimode BuckBoost Converter: An LPV System Model Point of View. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 8539-8551	7.2	3
244	Model Predictive Control With Reduced Common-Mode Current for Transformerless Current-Source PMSM Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 8114-8127	7.2	5
243	Signal-Disturbance Interfacing Elimination for Unbiased Model Parameter Identification of Lithium-Ion Battery. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 5887-5897	11.9	23
242	A Generalized Selective Harmonic Elimination PWM Formulation With Common-Mode Voltage Reduction Ability for Multilevel Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 10753-10765	7.2	5
241	A New Current Source Converter Using AC-Type Flying-Capacitor Technique. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 10307-10316	7.2	4
240	Artificial Intelligence-Aided Minimum Reactive Power Control for the DAB Converter Based on Harmonic Analysis Method. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 9704-9710	7.2	13
239	Hybrid Model Predictive Current and Voltage Control for LCL-Filtered Grid-Connected Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 5747-5760	5.6	6

238	Virtual SVPWM-Based Flexible Power Control for Dual-DC-Port DC/AC Converters in PV/Battery Hybrid Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 11431-11443	7.2	7
237	Improved Harmonic Profile for High-Power PWM Current-Source Converters With Modified Space-Vector Modulation Schemes. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 11234-11244	7.2	8
236	General Bi-Tri Logic SPWM for Current Source Converter With Optimized Zero-State Replacement. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 11372-11382	7.2	0
235	Hybrid Connected Unified Power Quality Conditioner Integrating Distributed Generation With Reduced Power Capacity and Enhanced Conversion Efficiency. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 12340-12352	8.9	6
234	Commutation Scheme of Seven-Level Hybrid-Clamped Converters With Suppressed Deadband-Induced Voltage Spikes. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11663-11672	8.9	3
233	Finite-Control-Set Model Predictive Control for Three-Level NPC Inverter-Fed PMSM Drives With $\Delta$ LC Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11980-11991	8.9	8
232	Modelling and Design of Parallel LCC-VSC Interlinking Converters Unified Controller in AC/DC Network. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	1
231	Interface-Engineered Dendrite-Free Anode and Ultraconductive Cathode for Durable and High-Rate Fiber Zn Dual-Ion Microbattery. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008894	15.6	10
230	Impedance Modelling Mechanisms and Stability Issues of Single Phase Inverter with SISO Structure and Frequency Coupling Effect. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	1
229	A Load-Current-Estimating Scheme with Delay Compensation for The Dual-Active-Bridge dc-dc Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	8
228	A General Constant-Switching-Frequency Model-Predictive Control of Multilevel Converters With Quasi-PS-PWM/LS-PWM Output. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12429-12441	7.2	4
227	Modular Interline DC Power Flow Controller. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 11707-11719	7.2	8
226	Simplified Predictive Duty Cycle Control of Multilevel Converters With Internal Identical Structure. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12416-12428	7.2	0
225	Sensorless Control of CSC-Fed PMSM Drives With Low Switching Frequency for Electrical Submersible Pump Application. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	9
224	Parallel-Converter System Grid Current Switching Ripples Reduction Using a Simple Decentralized Interleaving PWM Approach. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 8581-8592	7.2	5
223	Power Converters Topological Transformation Using Dual and Isomorphic Principles. <i>IEEE Open Journal of Power Electronics</i> , <b>2020</b> , 1, 74-87	2.5	5
222	Vector Shifted Model Predictive Power Control of Three-Level Neutral-Point-Clamped Rectifiers. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 7157-7166	8.9	17
221	Unified Selective Harmonic Elimination Control for Four-Level Hybrid-Clamped Inverters. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 11488-11501	7.2	8

220	Inter Harmonic THD Amplification of Voltage Source Converter: Concept and Case Study. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12651-12656	7.2	8
219	Communicationless Power Management Strategy for the Multiple DAB-Based Energy Storage System in Islanded DC Microgrid <b>2020</b> ,		2
218	Systematic Finite-Control-Set Model Predictive Control Design with Unified Model for Isomorphic and Dual Power Converters <b>2020</b> ,		2
217	A New Modular SPWM Strategy for Parallel Isolated Matrix Rectifiers to Improve Current Quality <b>2020</b> ,		1
216	Sub-synchronous oscillations in wind farms: An overview study of mechanisms and damping methods. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3974-3988	2.9	0
215	An Active Capacitor Voltage Balancing Method for Seven-Level Hybrid Clamped (7L-HC) Converter in Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 2372-2388	7.2	17
214	Hybrid Model Predictive Control of ANPC Converters With Decoupled Low-Frequency and High-Frequency Cells. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 8569-8580	7.2	6
213	A Hybrid-Driven Elevator System With Energy Regeneration and Safety Enhancement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 7715-7726	8.9	6
212	Systematic Synthesis and Derivation of Multilevel Converters Using Common Topological Structures With Unified Matrix Models. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 5639-5659	7.2	5
211	Multilevel Voltage-Source Converter Topologies With Internal Parallel Modularity. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 378-389	4.3	11
210	Model Predictive Control of a Nine-Level Internal Parallel Multilevel Converter With Phase-Shifted Pulsewidth Modulation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9073-9082	8.9	4
209	The Comprehensive Circuit-Parameter Estimating Strategies for Output-Parallel Dual-Active-Bridge DCDC Converters With Tunable Power Sharing Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 7583-7594	8.9	10
208	Generalized Phase-Shift PWM for Active-Neutral-Point-Clamped Multilevel Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 9048-9058	8.9	6
207	Simultaneous DC Current Balance and CMV Reduction for Parallel CSC System With Interleaved Carrier-Based SPWM. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8495-8505	8.9	7
206	Improved Model Predictive Control for High-Power Current-Source Rectifiers Under Normal and Distorted Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 4588-4601	7.2	14
205	Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 12786-12796	6.8	68
204	An Improved SVM Strategy to Reduce DC Current Ripple for AC-DC Matrix Converter <b>2020</b> ,		1
203	An SVM Strategy with Two-step Commutation for Isolated AC-DC Matrix Converter <b>2020</b> ,		2

202	Discontinuous Bi-tri Logic SPWM for Current Source Converter with Optimized Zero-state Replacement <b>2020</b> ,		7
201	CCS-MPC with Long Predictive Horizon for Grid-Connected Current Source Converter <b>2020</b> ,		2
200	Decoupled Dual-PWM Control for Naturally Commutated Current-Fed Dual-Active-Bridge DC/DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 4246-4259	5.6	6
199	Overview and Comparison of Modulation and Control Strategies for a Nonresonant Single-Phase Dual-Active-Bridge DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 3148-3172	7.2	110
198	A Unified State-Space Modeling Method for a Phase-Shift Controlled Bidirectional Dual-Active Half-Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 3254-3265	7.2	16
197	Cascaded MVDC Integration Interface for Multiple DERs With Enhanced Wide-Range Operation Capability: Concepts and Small-Signal Analysis. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1182-1188	7.2	13
196	Multirate Harmonic Compensation Control for Low Switching Frequency Converters: Scheme, Modeling, and Analysis. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 4143-4156	7.2	9
195	Input-Independent and Output-Series Connected Modular DCDC Converter With Intermodule Power Balancing Units for MVdc Integration of Distributed PV. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1622-1636	7.2	21
194	A Leakage-Inductor Parameter Compensation Method for Paralleled Current-Fed Isolated DC/DC System. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 1160-1164	7.2	5
193	Estimation of snow depth using pseudorange and carrier phase observations of GNSS single-frequency signal. <i>GPS Solutions</i> , <b>2019</b> , 23, 1	4.4	15
192	DC Substation for DC Grid Part I: Comparative Evaluation of DC Substation Configurations. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 1-1	7.2	12
191	Potential energy regeneration method and its engineering applications in large-scale excavators. <i>Energy Conversion and Management</i> , <b>2019</b> , 195, 1309-1318	10.6	13
190	A Tunable Power Sharing Control Scheme for the Output-Series DAB DCDC System With Independent or Common Input Terminals. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 9386-9391	7.2	13
189	Design of Interleaved Converters with Minimum Filtering Requirement <b>2019</b> ,		1
188	Isomorphic Relationships Between Voltage-Source and Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 7131-7135	7.2	26
187	. <i>IEEE Access</i> , <b>2019</b> , 7, 52295-52318	3.5	74
186	Guest Editorial Joint Special Section on Power Conversion & Control in Photovoltaic Power Plants. <i>IEEE Transactions on Energy Conversion</i> , <b>2019</b> , 34, 159-160	5.4	1
185	Control of Power Converters in ac and dc Microgrids <b>2019</b> , 1-23		1



184	Phase-Disposition PWM Based 2DoF-Interleaving Scheme for Minimizing High Frequency ZSCC in Modular Parallel Three-Level Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10590-10599	7.2	17
183	Systematic Derivation of Simplified Active-Neutral-Point-Clamped Multilevel Converter through Matrix Models <b>2019</b> ,		3
182	A Modular Design Approach to Provide Exhaustive Carrier-Based PWM Patterns for Multilevel ANPC Converters. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5032-5044	4.3	4
181	Interleaved SPWM of Parallel CSC System with Low Common-mode Voltage <b>2019</b> ,		6
180	High-Step-Up Boost Converter Based on Coupled Inductor, Voltage Lift and Clamp Cells <b>2019</b> ,		2
179	Multi-resonant Non-Inverting Buck-Boost Converter <b>2019</b> ,		1
178	Unfolder Operation and Modulation Strategy of Paralleled Current-Source Converters <b>2019</b> ,		2
177	DC Substation for DC Grid Part II: Hierarchical Control Strategy and Verifications. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 8682-8696	7.2	14
176	Snow Depth Estimation Based on Combination of Pseudorange and Carrier Phase of GNSS Dual-Frequency Signals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 1817-1828	8.1	25
175	Multi-Objective Power Management for EV Fleet With MMC-Based Integration Into Smart Grid. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1428-1439	10.7	22
174	A Coupled-Inductor-Based BuckBoost ACDC Converter With Balanced DC Output Voltages. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 151-159	7.2	11
173	A Comprehensive Optimization Control of Dual-Active-Bridge DCDC Converters Based on Unified-Phase-Shift and Power-Balancing Scheme. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 826-839	7.2	35
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168	A Novel Seven-Level Hybrid-Clamped (HC) Topology for Medium-Voltage Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 5543-5547	7.2	43
167	Active Power Oscillation Cancellation With Peak Current Sharing in Parallel Interfacing Converters Under Unbalanced Voltage. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 10200-10214	7.2	11

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163	A novel hydraulic excavator boom driving system with high efficiency and potential energy regeneration capability. <i>Energy Conversion and Management</i> , <b>2018</b> , 166, 308-317	10.6	40
162	Common-Mode Voltage Reduction for Parallel CSC-Fed Motor Drives With Multilevel Modulation. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6555-6566	7.2	19
161	A harmonic compensation approach for interlinking voltage source converters in hybrid AC-DC microgrids with low switching frequency. <i>CSEE Journal of Power and Energy Systems</i> , <b>2018</b> , 4, 39-48	2.3	18
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154	Carrier-based PWM design of multilevel ANPC-based converter through hierarchical decomposition <b>2018</b> ,		2
153	Improved Modulation Mechanism of Parallel-Operated T-Type Three-Level PWM Rectifiers for Neutral-Point Potential Balancing and Circulating Current Suppression. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 7466-7479	7.2	39
152	A Reconstructed Circuit Parameters Estimation (RCPE) Strategy of Modular Multiple Dual Active Bridge DC-DC Converters for Power Sharing Control <b>2018</b> ,		1
151	Multilevel Converter Topologies with Internally Paralleled Power Stages <b>2018</b> ,		2
150	High Performance Unified Control for Interlinking Converter in Hybrid AC/DC Microgrid <b>2018</b> ,		1
149	Comparison of High Power DC-DC Converters for Photovoltaic Generation Integrated into Medium Voltage DC Grids <b>2018</b> ,		1

148	Unified state-space modeling method for dual-active-bridge converters considering bidirectional phase shift <b>2018</b> ,		2
147	An Improved PWM Scheme to Achieve Zero-Voltage Switching for All Devices in Three-Phase Isolated Matrix Rectifier <b>2018</b> ,		1
146	Seven Level Hybrid Clamped (7L-HC) Converter in Medium Voltage Wind Energy Conversion Systems <b>2018</b> ,		1
145	Current Source Converters and Their Control <b>2018</b> , 115-140		0
144	AC and DC Microgrid Control <b>2018</b> , 167-200		2
143	A Three-Level Space Vector Modulation Scheme for Paralleled Converters to Reduce Circulating Current and Common-Mode Voltage. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 703-714	7.2	55
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141	Energy Management Strategy for Supercapacitor in Droop-Controlled DC Microgrid Using Virtual Impedance. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 2704-2716	7.2	79
140	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 2661-2674 <sup>25</sup>	7.2	25
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135	Carrier based three-level PWM for improving flying capacitor balancing of Nested Neutral-Point-Clamped (NNPC) converter <b>2017</b> ,		5
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132	Internal paralleled active neutral point clamped converter with logic-based flying capacitor voltage balancing <b>2017</b> ,		4
131	Harmonic analysis of interleaved voltage source converters and tri-carrier PWM strategies for three-level converters <b>2017</b> ,		5

130	Common-mode resonance suppression for parallel CSC-fed high power medium voltage drives with multilevel modulation <b>2017</b> ,		1
129	Stability Analysis and Damping Enhancement Based on Frequency-Dependent Virtual Impedance for DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2017</b> , 5, 338-350	5.6	82
128	Impact of carrier phase shift PWM on the DC link current of single and interleaved three-phase voltage source converters <b>2017</b> ,		2
127	Modulation and control method for bidirectional isolated AC/DC matrix based converter in hybrid AC/DC microgrid <b>2017</b> ,		14
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125	Coordinated control of multiple voltage balancers in a Bipolar DC microgrid <b>2017</b> ,		4
124	DC current balance with common-mode voltage reduction for parallel current source converters <b>2017</b> ,		3
123	Energy Management Strategy of Multiple Supercapacitors in a DC Microgrid Using Adaptive Virtual Impedance. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 1174-1185	5.6	53
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121	Configuration and operation of DC microgrid cluster linked through DC-DC converter <b>2016</b> ,		11
120	A three-level space vector modulation scheme for paralleled two converters to reduce zero-sequence circulating current and common mode voltage <b>2016</b> ,		1
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111	Energy management strategy for supercapacitor in autonomous DC microgrid using virtual impedance <b>2015</b> ,		10
110	Control Strategies of Three-Phase Distributed Generation Inverters for Grid Unbalanced Voltage Compensation. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 1-1	7.2	49
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103	Investigation and Suppression of Harmonics Interaction in High-Power PWM Current-Source Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 668-679	7.2	31
102	Parallel operation of bi-directional interfacing converters in a hybrid AC/DC microgrid under unbalanced grid conditions <b>2015</b> ,		5
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100	Overview of Power Management Strategies of Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 7072-7089	7.2	462
99	Virtual-Impedance-Based Control for Voltage-Source and Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 7019-7037	7.2	277
98	. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 3318-3329	7.2	213
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92	Flexible Microgrid Power Quality Enhancement Using Adaptive Hybrid Voltage and Current Controller. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 2784-2794	8.9	113
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90	Improved selective harmonics elimination (SHE) scheme with online harmonic compensation for high-power PWM converters <b>2014</b> ,		4
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83	Active Harmonic Filtering Using Current-Controlled, Grid-Connected DG Units With Closed-Loop Power Control. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 642-653	7.2	147
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79	Microgrid reactive and harmonic power sharing using enhanced virtual impedance <b>2013</b> ,		7
78	An improved current control scheme for grid-connected DG unit based distribution system harmonic compensation <b>2013</b> ,		3
77	An accurate autonomous islanding microgrid reactive power, imbalance power and harmonic power sharing scheme <b>2013</b> ,		3

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66	An overview of grid fundamental and harmonic components detection techniques <b>2013</b> ,		7
65	A new technique to detect faults in de-energized distribution feeders <b>2012</b> ,		1
64	Investigation and resonances damping of multiple PV inverters <b>2012</b> ,		9
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56	Harmonic compensation using residential PV interfacing inverter <b>2012,</b>		2
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54	A seamless operation mode transition control strategy for a microgrid based on master-slave control. <i>Science China Technological Sciences</i> , <b>2012</b> , 55, 1644-1654	3-5	32
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47	Power Management of Inverter Interfaced Autonomous Microgrid Based on Virtual Frequency-Voltage Frame. <i>IEEE Transactions on Smart Grid</i> , <b>2011</b> , 2, 30-40	10-7	261
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43	Analysis and design of interfacing inverter output virtual impedance in a low voltage microgrid <b>2010,</b>		24
42	Opportunities for power quality improvement through DG-grid interfacing converters <b>2010,</b>		16
41	Adaptive control of a Voltage Source Converter <b>2010,</b>		5



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7	Microgrid power quality enhancement using a three-phase four-wire grid-interfacing compensator <b>2004</b> ,		2
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5	Experimental verification of an optimized control strategy for a medium-voltage DVR		2

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