

Yunwei Ryan Li

List of Publications by Citations

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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	An Accurate Power Control Strategy for Power-Electronics-Interfaced Distributed Generation Units Operating in a Low-Voltage Multibus Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2977-2988	7.2	740
308	Overview of Power Management Strategies of Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 7072-7089	7.2	462
307	Design, analysis, and real-time testing of a controller for multibus microgrid system. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 1195-1204	7.2	449
306	Analysis, Design, and Implementation of Virtual Impedance for Power Electronics Interfaced Distributed Generation. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 2525-2538	4.3	421
305	An Islanding Microgrid Power Sharing Approach Using Enhanced Virtual Impedance Control Scheme. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 5272-5282	7.2	322
304	Pulse-width modulation of Z-source inverters. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 1346-1352	5.2	298
303	Investigation and Active Damping of Multiple Resonances in a Parallel-Inverter-Based Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 234-246	7.2	287
302	Virtual-Impedance-Based Control for Voltage-Source and Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 7019-7037	7.2	277
301	An Enhanced Microgrid Load Demand Sharing Strategy. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3984-3995	7.2	269
300	Power Management of Inverter Interfaced Autonomous Microgrid Based on Virtual Frequency-Voltage Frame. <i>IEEE Transactions on Smart Grid</i> , 2011 , 2, 30-40	10.7	261
299	A Flexible Harmonic Control Approach Through Voltage-Controlled DGrid Interfacing Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 444-455	8.9	260
298	Generalized Closed-Loop Control Schemes with Embedded Virtual Impedances for Voltage Source Converters with LC or LCL Filters. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 1850-1861	7.2	250
297	An Enhanced Islanding Microgrid Reactive Power, Imbalance Power, and Harmonic Power Sharing Scheme. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3389-3401	7.2	230
296	Microgrid power quality enhancement using a three-phase four-wire grid-interfacing compensator. <i>IEEE Transactions on Industry Applications</i> , 2005 , 41, 1707-1719	4.3	217
295	. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3318-3329	7.2	213
294	Control and Resonance Damping of Voltage-Source and Current-Source Converters With Δ LC Δ Filters. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1511-1521	8.9	210
293	Grid Synchronization PLL Based on Cascaded Delayed Signal Cancellation. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1987-1997	7.2	196

292	Three-Phase Cascaded Delayed Signal Cancellation PLL for Fast Selective Harmonic Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1452-1463	8.9	153
291	Active Harmonic Filtering Using Current-Controlled, Grid-Connected DG Units With Closed-Loop Power Control. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 642-653	7.2	147
290	A grid-interfacing power quality compensator for three-phase three-wire microgrid applications. <i>IEEE Transactions on Power Electronics</i> , 2006 , 21, 1021-1031	7.2	147
289	A Nonlinear-Disturbance-Observer-Based DC-Bus Voltage Control for a Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6162-6177	7.2	129
288	Protection of Microgrids During Utility Voltage Sags. <i>IEEE Transactions on Industrial Electronics</i> , 2006 , 53, 1427-1436	8.9	127
287	A New Control Strategy to Mitigate the Impact of Inverter-Based DGs on Protection System. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 1427-1436	10.7	116
286	Flexible Microgrid Power Quality Enhancement Using Adaptive Hybrid Voltage and Current Controller. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2784-2794	8.9	113
285	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> , 2020 , 35, 3148-3172	7.2	110
284	Analysis and Digital Implementation of Cascaded Delayed-Signal-Cancellation PLL. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1067-1080	7.2	107
283	Optimized Control Strategy for a Medium-Voltage DVR—Theoretical Investigations and Experimental Results. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 2746-2754	7.2	107
282	Hybrid Voltage and Current Control Approach for DG-Grid Interfacing Converters With LCL Filters. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 1797-1809	8.9	103
281	A Robust Control Scheme for Medium-Voltage-Level DVR Implementation. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 2249-2261	8.9	101
280	Distribution System Harmonic Compensation Methods: An Overview of DG-Interfacing Inverters. <i>IEEE Industrial Electronics Magazine</i> , 2014 , 8, 18-31	6.2	95
279	Residential Distribution System Harmonic Compensation Using PV Interfacing Inverter. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 816-827	10.7	94
278	Control and protection of power electronics interfaced distributed generation systems in a customer-driven microgrid 2009 ,		93
277	Design and Comparison of High Performance Stationary-Frame Controllers for DVR Implementation. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 602-612	7.2	85
276	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> , 2017 , 5, 338-350	5.6	82
275	Overview of control, integration and energy management of microgrids. <i>Journal of Modern Power Systems and Clean Energy</i> , 2014 , 2, 212-222	4	80

274	Energy Management Strategy for Supercapacitor in Droop-Controlled DC Microgrid Using Virtual Impedance. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2704-2716	7.2	79
273	. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2204-2213	7.2	75
272	. <i>IEEE Access</i> , 2019 , 7, 52295-52318	3.5	74
271	Space Vector Sequence Investigation and Synchronization Methods for Active Front-End Rectifiers in High-Power Current-Source Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1022-1034	8.9	73
270	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 3751-3761	11.9	73
269	Battery-Involved Energy Management for Hybrid Electric Bus Based on Expert-Assistance Deep Deterministic Policy Gradient Algorithm. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12786-12796	6.8	68
268	DC-Link Current Minimization for High-Power Current-Source Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 232-240	7.2	65
267	Parallel Operation of Bidirectional Interfacing Converters in a Hybrid AC/DC Microgrid Under Unbalanced Grid Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1872-1884	7.2	64
266	A Novel Fault Current Control Scheme to Reduce Synchronous DG's Impact on Protection Coordination. <i>IEEE Transactions on Power Delivery</i> , 2014 , 29, 542-551	4.3	63
265	A Dual-Functional Medium Voltage Level DVR to Limit Downstream Fault Currents. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1330-1340	7.2	60
264	Damping of PWM Current-Source Rectifier Using a Hybrid Combination Approach. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1383-1393	7.2	60
263	Observer-Based DC Voltage Droop and Current Feed-Forward Control of a DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5207-5216	10.7	59
262	Investigation and Improvement of Transient Response of DVR at Medium Voltage Level. <i>IEEE Transactions on Industry Applications</i> , 2007 , 43, 1309-1319	4.3	59
261	Selective Harmonic Compensation (SHC) PWM for Grid-Interfacing High-Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1118-1127	7.2	58
260	A Unified Control for the DC/AC Interlinking Converters in Hybrid AC/DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6540-6553	10.7	56
259	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> , 2017 , 32, 703-714	7.2	55
258	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> , 2016 , 4, 1174-1185	5.6	53
257	An Input Power Factor Control Strategy for High-Power Current-Source Induction Motor Drive With Active Front-End. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 352-359	7.2	52

256	Inverse Power Factor Droop Control for Decentralized Power Sharing in Series-Connected-Microconverters-Based Islanding Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7444-7454	8.9	51
255	. <i>IEEE Transactions on Energy Conversion</i> , 2015 , 30, 70-81	5.4	51
254	Control Strategies of Three-Phase Distributed Generation Inverters for Grid Unbalanced Voltage Compensation. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	49
253	Flexible Interlinking and Coordinated Power Control of Multiple DC Microgrids Clusters. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 904-915	8.2	48
252	Robust Control Scheme for a Microgrid With PFC Capacitor Connected. <i>IEEE Transactions on Industry Applications</i> , 2007 , 43, 1172-1182	4.3	45
251	A Space-Vector Modulation Method for Common-Mode Voltage Reduction in Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 374-385	7.2	44
250	A Novel Seven-Level Hybrid-Clamped (HC) Topology for Medium-Voltage Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5543-5547	7.2	43
249	Virtual Impedance-Based Selective Harmonic Compensation (VI-SHC) PWM for Current Source Rectifiers. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3346-3356	7.2	43
248	Parabolic PWM for Current Control of Voltage-Source Converters (VSCs). <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 3491-3496	8.9	42
247	A Distributed Power Control of Series-Connected Module-Integrated Inverters for PV Grid-Tied Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7698-7707	7.2	40
246	A novel hydraulic excavator boom driving system with high efficiency and potential energy regeneration capability. <i>Energy Conversion and Management</i> , 2018 , 166, 308-317	10.6	40
245	Improved Selective Harmonics Elimination Scheme With Online Harmonic Compensation for High-Power PWM Converters. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3508-3517	7.2	39
244	High-Frequency Harmonic Resonance Suppression in High-Speed Railway Through Single-Phase Traction Converter With LCL Filter. <i>IEEE Transactions on Transportation Electrification</i> , 2016 , 2, 347-356	7.6	39
243	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> , 2018 , 33, 7466-7479	7.2	39
242	Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing Converters. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2647-2660	7.2	37
241	Suppressing Zero-Sequence Circulating Current of Modular Interleaved Three-Phase Converters Using Carrier Phase Shift PWM. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3782-3792	4.3	37
240	Hybrid Microgrid With Parallel- and Series-Connected Microconverters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4817-4831	7.2	35
239	A Comprehensive Optimization Control of Dual-Active-Bridge DC/DC Converters Based on Unified-Phase-Shift and Power-Balancing Scheme. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 826-839	7.3	35

238	Flexible Unbalanced Compensation of Three-Phase Distribution System Using Single-Phase Distributed Generation Inverters. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1845-1857	10.7	35
237	Hierarchical Control of Multiterminal DC Grids for Large-Scale Renewable Energy Integration. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1448-1457	8.2	34
236	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2256-2267	8.9	32
235	A seamless operation mode transition control strategy for a microgrid based on master-slave control. <i>Science China Technological Sciences</i> , 2012 , 55, 1644-1654	3.5	32
234	Investigation and Suppression of Harmonics Interaction in High-Power PWM Current-Source Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 668-679	7.2	31
233	Cyber-Security of Smart Microgrids: A Survey. <i>Energies</i> , 2021 , 14, 27	3.1	31
232	Achieving the Smart Grid through customer-driven microgrids supported by energy storage 2010 ,		28
231	Carrier-Based Stair Edge PWM (SEPWM) for Capacitor Balancing in Multilevel Converters With Floating Capacitors. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3440-3452	4.3	27
230	Power-Factor Compensation for PWM CSRSI-Fed High-Power Drive System Using Flux Adjustment. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 3014-3019	7.2	27
229	Isomorphic Relationships Between Voltage-Source and Current-Source Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7131-7135	7.2	26
228	Improved Residential Distribution System Harmonic Compensation Scheme Using Power Electronics Interfaced DGs. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 1191-1203	10.7	26
227	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2661-2674 ²⁵	7.2	25
226	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> , 2019 , 57, 1817-1828	8.1	25
225	Analysis and design of interfacing inverter output virtual impedance in a low voltage microgrid 2010 ,		24
224	Online Monitoring of Substation Grounding Grid Conditions Using Touch and Step Voltage Sensors. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 761-769	10.7	23
223	Signal-Disturbance Interfacing Elimination for Unbiased Model Parameter Identification of Lithium-Ion Battery. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5887-5897	11.9	23
222	Parallel Three-Phase Interfacing Converters Operation Under Unbalanced Voltage in Hybrid AC/DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 1310-1322	10.7	22
221	Adaptive Control of a Voltage Source Converter for Power Factor Correction. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4767-4779	7.2	22

220	An accurate reactive power sharing control strategy for DG units in a microgrid 2011 ,		22
219	High Performance Current Source Inverter Fed Induction Motor Drive with Minimal Harmonic Distortion 2007 ,		22
218	Multi-Objective Power Management for EV Fleet With MMC-Based Integration Into Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1428-1439	10.7	22
217	PWM Strategies for Common-Mode Voltage Reduction in Current Source Drives. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5431-5445	7.2	21
216	Virtual frequency-voltage frame control of inverter based low voltage microgrid 2009 ,		21
215	A Coupled Virtual Impedance for Parallel AC/DC Converter Based Power Electronics System. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3387-3400	10.7	21
214	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> , 2020 , 35, 1622-1636	7.2	21
213	Common-Mode Voltage Reduction for Parallel CSC-Fed Motor Drives With Multilevel Modulation. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6555-6566	7.2	19
212	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2748-2767	7.2	19
211	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> , 2018 , 4, 39-48	2.3	18
210	Common-Mode Resonance Suppression in Transformerless PWM Current-Source Drive. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5721-5731	7.2	18
209	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> , 2019 , 34, 10590-10599	7.2	17
208	Vector Shifted Model Predictive Power Control of Three-Level Neutral-Point-Clamped Rectifiers. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7157-7166	8.9	17
207	An Active Capacitor Voltage Balancing Method for Seven-Level Hybrid Clamped (7L-HC) Converter in Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2372-2388	7.2	17
206	Discrete-Time SMO Sensorless Control of Current Source Converter-Fed PMSM Drives With Low Switching Frequency. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2120-2129	8.9	17
205	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> , 2021 , 1-1	5.6	17
204	Opportunities for power quality improvement through DG-grid interfacing converters 2010 ,		16
203	Impact of PWM Schemes on the Common-Mode Voltage of Interleaved Three-Phase Two-Level Voltage Source Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 852-864	8.9	16

202	A Unified State-Space Modeling Method for a Phase-Shift Controlled Bidirectional Dual-Active Half-Bridge Converter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3254-3265	7.2	16
201	SVM Strategies for Common-Mode Current Reduction in Transformerless Current-Source Drives at Low Modulation Index. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1312-1323	7.2	15
200	Estimation of snow depth using pseudorange and carrier phase observations of GNSS single-frequency signal. <i>GPS Solutions</i> , 2019 , 23, 1	4.4	15
199	Modulation and control method for bidirectional isolated AC/DC matrix based converter in hybrid AC/DC microgrid 2017 ,		14
198	Improved Model Predictive Control for High-Power Current-Source Rectifiers Under Normal and Distorted Grid Conditions. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4588-4601	7.2	14
197	DC Substation for DC GridPart II: Hierarchical Control Strategy and Verifications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8682-8696	7.2	14
196	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> , 2021 , 36, 274-284	7.2	14
195	Optimal Overlap-Time Distribution of Space Vector Modulation for Current-Source Rectifier. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 4586-4597	8.9	14
194	Potential energy regeneration method and its engineering applications in large-scale excavators. <i>Energy Conversion and Management</i> , 2019 , 195, 1309-1318	10.6	13
193	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> , 2019 , 34, 9386-9391	7.2	13
192	A Measurement Method to Solve a Problem of Using DG Interfacing Converters for Selective Load Harmonic Filtering. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1852-1856	7.2	13
191	Voltage Sag Compensation With Z-Source Inverter Based Dynamic Voltage Restorer. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2006 ,		13
190	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> , 2020 , 35, 1182-1188	7.2	13
189	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> , 2021 , 9, 616-628	5.6	13
188	Artificial Intelligence-Aided Minimum Reactive Power Control for the DAB Converter Based on Harmonic Analysis Method. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9704-9710	7.2	13
187	DC Substation for DC GridPart I: Comparative Evaluation of DC Substation Configurations. <i>IEEE Transactions on Power Electronics</i> , 2019 , 1-1	7.2	12
186	Simultaneous DC Current Balance and Common-Mode Voltage Control With Multilevel Current Source Inverters. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9188-9197	7.2	12
185	A grid-tied photovoltaic generation system based on series-connected module integrated inverters with adjustable power factor 2015 ,		11

184	Active Power Oscillation Cancelation With Peak Current Sharing in Parallel Interfacing Converters Under Unbalanced Voltage. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 10200-10214	7.2	11
183	Configuration and operation of DC microgrid cluster linked through DC-DC converter 2016 ,		11
182	Multilevel Voltage-Source Converter Topologies With Internal Parallel Modularity. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 378-389	4.3	11
181	A Coupled-Inductor-Based BuckBoost ACDC Converter With Balanced DC Output Voltages. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 151-159	7.2	11
180	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> , 2021 , 68, 3750-3759	8.9	11
179	Communication-Free Power Management Strategy for the Multiple DAB-Based Energy Storage System in Islanded DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 4828-4838	7.2	11
178	A Survey of Powertrain Technologies for Energy-Efficient Heavy-Duty Machinery. <i>Proceedings of the IEEE</i> , 2021 , 109, 279-308	14.3	11
177	Energy management strategy for supercapacitor in autonomous DC microgrid using virtual impedance 2015 ,		10
176	Adaptive vector control for voltage source converters. <i>IET Control Theory and Applications</i> , 2013 , 7, 1110-1119	10	10
175	DG control strategies for grid voltage unbalance compensation 2014 ,		10
174	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> , 2020 , 67, 7583-7594	8.9	10
173	Virtual Resistor Based Second-Order Ripple Sharing Control for Distributed Bidirectional DCDC Converters in Hybrid ACDC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2258-2269	7.2	10
172	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3354-3366	7.2	10
171	Multi-rate Finite-Control-Set Model Predictive Control for High Switching Frequency Power Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	10
170	Interface-Engineered Dendrite-Free Anode and Ultraconductive Cathode for Durable and High-Rate Fiber Zn Dual-Ion Microbattery. <i>Advanced Functional Materials</i> , 2021 , 31, 2008894	15.6	10
169	Sensorless Control of CSC-Fed PMSM Drives With Low Switching Frequency for Electrical Submersible Pump Application. <i>IEEE Transactions on Industry Applications</i> , 2020 , 1-1	4.3	9
168	Grid Harmonics Compensation Using High-Power PWM Converters Based on Combination Approach. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 186-197	5.6	9
167	Multilevel current source converters for high power medium voltage applications. <i>CES Transactions on Electrical Machines and Systems</i> , 2017 , 1, 306-314	2.3	9

166	Investigation and resonances damping of multiple PV inverters 2012 ,		9
165	Multirate Harmonic Compensation Control for Low Switching Frequency Converters: Scheme, Modeling, and Analysis. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 4143-4156	7.2	9
164	Modular Interline DC Power Flow Controller. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11707-11719		8
163	Unified Selective Harmonic Elimination Control for Four-Level Hybrid-Clamped Inverters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11488-11501	7.2	8
162	Comparative analysis of closed-loop current control of grid connected converter with LCL filter 2011 ,		8
161	Inter Harmonic THD Amplification of Voltage Source Converter: Concept and Case Study. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12651-12656	7.2	8
160	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3739-3749	8.9	8
159	SVM Strategy for Mitigating Low-Order Harmonics in Isolated ACDC Matrix Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 583-596	7.2	8
158	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> , 2021 , 36, 4585-4596	7.2	8
157	Improved Harmonic Profile for High-Power PWM Current-Source Converters With Modified Space-Vector Modulation Schemes. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11234-11244	7.2	8
156	Finite-Control-Set Model Predictive Control for Three-Level NPC Inverter-Fed PMSM Drives With Δ LC Δ Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11980-11991	8.9	8
155	A Load-Current-Estimating Scheme with Delay Compensation for The Dual-Active-Bridge dc-dc Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	8
154	High-Frequency, Half-Wavelength Power Transmission Scheme. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 279-284	4.3	7
153	Derivation of multilevel voltage source converter topologies for medium voltage drives. <i>Chinese Journal of Electrical Engineering</i> , 2017 , 3, 24-31	4	7
152	Control strategies of three-phase distributed generation inverters for grid unbalanced voltage compensation 2015 ,		7
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