Yongheng Yang

List of Publications by Year in Descending Order

326 papers	5,922 citations	40 h-index	64 g-index
409 ext. papers	8,630 ext. citations	5.1 avg, IF	6.76 L-index

#	Paper	IF	Citations
326	A Delay-Based Frequency Estimation Scheme for Speed-Sensorless Control of Induction Motors. *IEEE Transactions on Industry Applications*, **2022**, 1-1	4.3	1
325	Fractional-Order Multi-Periodic Odd Harmonic Repetitive Control of Programmable AC Power Sources. *IEEE Transactions on Power Electronics*, **2022**, 1-1	7.2	2
324	Hybrid Swapped Battery Charging and Logistics Dis-patch Model in Continuous Time Domain. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	1
323	PLL- and FLL-Based Speed Estimation Schemes for Speed-Sensorless Control of Induction Motor Drives: Review and New Attempts. *IEEE Transactions on Power Electronics*, **2022**, 37, 3334-3356	7.2	12
322	Single-Source Cascaded Multilevel Inverter With Voltage-Boost Submodule and Continuous Input Current for Photovoltaic Applications. *IEEE Transactions on Power Electronics*, **2022**, 37, 955-970	7.2	3
321	Multi-Timescale Control of Variable-Speed Wind Turbine for Inertia Provision. *Applied Sciences (Switzerland)*, **2022**, 12, 3263	2.6	1
320	Multi-stage stochastic programming for resilient integrated electricity and natural gas distribution systems against typhoon natural disaster attacks. *Renewable and Sustainable Energy Reviews*, **2022**, 159, 111784	16.2	1
319	A Single-Phase Common-Ground Five-Level Transformerless Inverter with Low Component Count for PV Applications. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	2
318	Home Energy Management Systems: Operation and Resilience of Heuristics Against Cyberattacks. *IEEE Systems, Man, and Cybernetics Magazine*, **2022**, 8, 21-30	1.6	
317	A Novel Methodology for Partial Shading Diagnosis Using the Electrical Parameters of Photovoltaic Strings. *IEEE Journal of Photovoltaics*, **2022**, 1-9	3.7	2
316	Capacitor Voltage Balancing for Multi-Level Dual-Active-Bridge DC-DC Converters. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	3
315	Discontinuous Modulation for Improved Thermal Balance of Three-Level 1500-V Photovoltaic Inverters under Low-Voltage Ride-Through **2021**,		3
314	Improved Cascaded H-Bridge Multilevel Inverters with Voltage-Boosting Capability. *Electronics (Switzerland)*, **2021**, 10, 2801	2.6	2
313	Flexible Active Power Control of Distributed Photovoltaic Systems with Integrated Battery using Series Converter Configurations. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	1
312	The Closed-Loop Sideband Harmonic Suppression for CHB Inverter with Unbalanced Operation. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	2
311	Integrated Optimization of Dual-Active-Bridge DC-DC Converter with ZVS for Battery Charging Applications. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	
310	Improved Model Predictive Control for Single-Phase Grid-Tied Inverter with Virtual Vectors in the Compacted Solution-Space. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	1

309	Dynamic Stabilization of DC Microgrids using ANN-Based Model Predictive Control. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
308	Energy Efficiency Enhancement in Full-Bridge PV Inverters with Advanced Modulations. *E-Prime*, **2021**, 1, 100004		0
307	Experimental validation of nine-level switched-capacitor inverter topology with high voltage gain. *International Journal of Circuit Theory and Applications*, **2021**, 49, 2479	2	3
306	Multi-objective optimization of a combined cooling, heating, and power system with subcooled compressed air energy storage considering off-design characteristics. *Applied Thermal Engineering*, **2021**, 187, 116562	5.8	6
305	Maximum Virtual Inertia From DC-Link Capacitors Considering System Stability at Voltage Control Timescale. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2021**, 11, 79-89	5.2	9
304	A Simple Mismatch Mitigating Partial Power Processing Converter for Solar PV Modules. *Energies*, **2021**, 14, 2308	3.1	1
303	A fast MPPT-based anomaly detection and accurate fault diagnosis technique for PV arrays. *Energy Conversion and Management*, **2021**, 234, 113950	10.6	14
302	A robust parametrization method of photovoltaic modules for enhancing one-diode model accuracy under varying operating conditions. *Renewable Energy*, **2021**, 168, 764-778	8.1	6
301	Bridgeless PFC Topology Simplification and Design for Performance Benchmarking. *IEEE Transactions on Power Electronics*, **2021**, 36, 5398-5414	7.2	10
300	Reconfigurable Distributed Power Electronics Technique for Solar PV Systems. *Electronics (Switzerland)*, **2021**, 10, 1121	2.6	0
299	Speed-Sensorless Control of Induction Motor Drives with A Delay-Based Frequency Estimation Method **2021**,		1
298	A Novel Single-Stage Five-Level Common-Ground-Boost-Type Active Neutral-Point-Clamped (5L-CGBT-ANPC) Inverter. *IEEE Transactions on Power Electronics*, **2021**, 36, 6192-6196	7.2	11
297	. *IEEE Systems, Man, and Cybernetics Magazine*, **2021**, 7, 10-19	1.6	5
296	Primary frequency control techniques for large-scale PV-integrated power systems: A review. *Renewable and Sustainable Energy Reviews*, **2021**, 144, 110998	16.2	15
295	Event-Triggering Virtual Inertia Control of PV Systems With Power Reserve. *IEEE Transactions on Industry Applications*, **2021**, 57, 4059-4070	4.3	3
294	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 4014-4026	8.9	7
293	A Phase-Shifting MPPT to Mitigate Interharmonics From Cascaded H-Bridge PV Inverters. *IEEE Transactions on Industry Applications*, **2021**, 57, 3052-3063	4.3	8
292	Resilient Synchronization Strategy for AC Microgrids Under Cyber Attacks. *IEEE Transactions on Power Electronics*, **2021**, 36, 73-77	7.2	24

291	Adequacy of the Single-Generator Equivalent Model for Stability Analysis in Wind Farms With VSC-HVDC Systems. *IEEE Transactions on Energy Conversion*, **2021**, 36, 907-918	5.4	1
290	Intelligent Parameter Design-Based Impedance Optimization of STATCOM to Mitigate Resonance in Wind Farms. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 3201-3215	5.6	6
289	Distributed Optimal Control of Energy Hubs for Micro-Integrated Energy Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 2145-2158	7.3	7
288	Generalized Space Vector Modulation for Ripple Current Reduction in Quasi-Z-Source Inverters. *IEEE Transactions on Power Electronics*, **2021**, 36, 1730-1741	7.2	7
287	Lifetime Evaluation of Three-Level Inverters for 1500-V Photovoltaic Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 4285-4298	5.6	8
286	Reconsideration of Grid-Friendly Low-Order Filter Enabled by Parallel Converters. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 3177-3188	5.6	5
285	A Six-Switch Seven-Level Triple-Boost Inverter. *IEEE Transactions on Power Electronics*, **2021**, 36, 1225-1230	7.2	21
284	An equivalent model for sub-synchronous oscillation analysis in direct-drive wind farms with VSC-HVDC systems. *International Journal of Electrical Power and Energy Systems*, **2021**, 125, 106498	5.1	2
283	Cost-Effective DC Current Suppression for Single-Phase Grid-Connected PV Inverter. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 1808-1823	5.6	3
282	Sensorless Control of DC Microgrid Based on Artificial Intelligence. *IEEE Transactions on Energy Conversion*, **2021**, 36, 2319-2329	5.4	6
281	Sub-Synchronous Oscillation Characteristics and Analysis of Direct-Drive Wind Farms With VSC-HVDC Systems. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 1127-1140	8.2	5
280	Inductor Current Ripple Analysis and Reduction for Quasi-Z-Source Inverters With an Improved ZSVM6 Strategy. *IEEE Transactions on Power Electronics*, **2021**, 36, 7693-7704	7.2	3
279	Quantifying Cyber Attacks on Industrial MMC-HVDC Control System Using Structured Pseudospectrum. *IEEE Transactions on Power Electronics*, **2021**, 36, 4915-4920	7.2	7
278	. *IEEE Transactions on Energy Conversion*, **2021**, 36, 767-778	5.4	5
277	A Novel Boost Cascaded Multilevel Inverter. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8072-8080	8.9	8
276	An Interlinking Converter for Renewable Energy Integration Into Hybrid Grids. *IEEE Transactions on Power Electronics*, **2021**, 36, 2499-2504	7.2	6
275	Speed-Sensorless Control of Induction Motors with An Open-Loop Synchronization Method. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	5
274	Design Implementation and Operation of an Education Laboratory-Scale Microgrid. *IEEE Access*, **2021**, 1-1	3.5	6

273	Resilience-Oriented Control for Cyber-Physical Hybrid Energy Storage Systems Using A Semi-Consensus Scheme: Design and Practice. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	0
272	. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	1
271	Low voltage ride-through operation of single-phase PV systems **2021**, 471-498		0
270	Symmetrical Bipolar Output Isolated Four-Port Converters Based on Center-Tapped Winding for Bipolar DC Bus Applications. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	3
269	A Single-Source Nine-Level Boost Inverter with A Low Switch Count. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	14
268	A Cascaded Half-Bridge Three-Level Inverter with An Inductive DC-Link for Flexible Voltage Boosting. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
267	Distributed Control of Islanded Series PV-Battery-Hybrid Systems With Low Communication Burden. *IEEE Transactions on Power Electronics*, **2021**, 36, 10199-10213	7.2	8
266	A Review on Direct Power Control of Pulsewidth Modulation Converters. *IEEE Transactions on Power Electronics*, **2021**, 36, 11984-12007	7.2	14
265	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11339-11347	8.9	3
264	Reliability Analysis of Power Components in Restructured DC/DC Converters. *IEEE Transactions on Device and Materials Reliability*, **2021**, 1-1	1.6	0
263	Power-Estimation-Based Synchronous Rectification Solution for Bidirectional DAB-LLC Converter. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	0
262	Hybrid transformerless PV converters with low leakage currents: Analysis and configuration. *IET Renewable Power Generation*, **2021**, 15, 368-381	2.9	0
261	Fast and Accurate Modeling of Power Converter Availability for Adequacy Assessment. *IEEE Transactions on Power Delivery*, **2021**, 1-1	4.3	0
260	Ensuring a Reliable Operation of Two-Level IGBT-Based Power Converters: A Review of Monitoring and Fault-Tolerant Approaches. *IEEE Access*, **2020**, 8, 89988-90022	3.5	16
259	Rotor inertia adaptive control and inertia matching strategy based on parallel virtual synchronous generators system. *IET Generation, Transmission and Distribution*, **2020**, 14, 1854-1861	2.5	9
258	Zonally Robust Decentralized Optimization for Global Energy Interconnection: Case Study on Northeast Asian Countries. *IEEE Transactions on Automation Science and Engineering*, **2020**, 17, 2120-2129	4.9	4
257	Practical Submodule Capacitor Sizing for Modular Multilevel Converter Considering Grid Faults. *Applied Sciences (Switzerland)*, **2020**, 10, 3550	2.6	1
256	A Phase-Shifting MPPT Method to Mitigate Interharmonics from Cascaded H-Bridge PV Inverters **2020**,		2

255	Switched-capacitor multilevel inverter with self-voltage-balancing for high-frequency power distribution system. *IET Power Electronics*, **2020**, 13, 1807-1818	2.2	10
254	A Multi-State Dynamic Thermal Model for Accurate Photovoltaic Cell Temperature Estimation. *IEEE Journal of Photovoltaics*, **2020**, 10, 1465-1473	3.7	12
253	Modified Impedance-Source Inverter with Continuous Input Currents and Fault-Tolerant Operations. *Energies*, **2020**, 13, 3408	3.1	0
252	Event-Triggering Power Reserve Control for Grid-Connected PV Systems **2020**,		4
251	An islanding detection based on droop characteristic for virtual synchronous generator. *International Journal of Electrical Power and Energy Systems*, **2020**, 123, 106277	5.1	3
250	Analysis and design of a high voltage-gain quasi-Z-source DC□DC converter. *IET Power Electronics*, **2020**, 13, 1837-1847	2.2	12
249	A Dual-Loop Control to Ensure Fast and Stable Fault-Tolerant Operation of Series Resonant DAB Converters. *IEEE Transactions on Power Electronics*, **2020**, 35, 10994-11012	7.2	7
248	Characteristics Analysis and Measurement of Inverter-Fed Induction Motors for Stator and Rotor Fault Detection. *Energies*, **2020**, 13, 101	3.1	8
247	Optimization Design and Control of Single-Stage Single-Phase PV Inverters for MPPT Improvement. *IEEE Transactions on Power Electronics*, **2020**, 35, 13000-13016	7.2	24
246	A Switched Quasi-Z-Source Inverter with Continuous Input Currents. *Energies*, **2020**, 13, 1390	3.1	6
245	Optimal Electric Vehicle Charging Strategy With Markov Decision Process and Reinforcement Learning Technique. *IEEE Transactions on Industry Applications*, **2020**, 56, 5811-5823	4.3	28
244	A Family of Single-Stage, Buck-Boost Inverters for Photovoltaic Applications. *Energies*, **2020**, 13, 1675	3.1	7
243	A Preventive Maintenance Planning Approach for Wind Converters **2020**,		2
242	Impedance Network Impact on the Controller Design of the QZSI for PV Applications **2020**,		2
241	High Step-Up/Down Switched-Capacitor Based Bidirectional DC-DC Converter **2020**,		1
240	A Series Interharmonic Filter for Cascaded H-bridge PV Inverters **2020**,		2
239	Extended Functionalities of Photovoltaic Systems With Flexible Power Point Tracking: Recent Advances. *IEEE Transactions on Power Electronics*, **2020**, 35, 9342-9356	7.2	35
238	Modulation of 2/3-Level Dual-Active-Bridge DC-DC Converters for Soft-Switching and Minimum Current Stress **2020**,		1

237	Adaptive Resilient Operation of Cooperative Grid-Forming Converters Under Cyber Attacks **2020**,		1
236	A Speed Estimation Scheme Based on An Improved SOGI-FLL for Speed-Sensorless Control of Induction Motor Drives **2020**,		4
235	Optimal PV Generation Using Symbiotic Organisms Search Optimization Algorithm-Based MPPT **2020**,		1
234	Coordination of Virtual Inertia Control and Frequency Damping in PV Systems for Optimal Frequency Support. *CPSS Transactions on Power Electronics and Applications*, **2020**, 5, 305-316	3.5	16
233	Grid-friendly power control for smart photovoltaic systems. *Solar Energy*, **2020**, 210, 115-127	6.8	11
232	Reliability Evaluation for Integrated Power-Gas Systems With Power-to-Gas and Gas Storages. *IEEE Transactions on Power Systems*, **2020**, 35, 571-583	7	52
231	Mission Profile-Oriented Control for Reliability and Lifetime of Photovoltaic Inverters. *IEEE Transactions on Industry Applications*, **2020**, 56, 601-610	4.3	30
230	Modeling and Evaluation of Stator and Rotor Faults for Induction Motors. *Energies*, **2020**, 13, 133	3.1	7
229	A Modified Y-Source DCDC Converter With High Voltage-Gains and Low Switch Stresses. *IEEE Transactions on Power Electronics*, **2020**, 35, 7716-7720	7.2	10
228	Fast Amplitude Estimation for Low-Voltage Ride-Through Operation of Single-Phase Systems. *IEEE Access*, **2020**, 8, 8477-8484	3.5	1
227	Defense Strategy for Resilient Shipboard Power Systems Considering Sequential Attacks. *IEEE Transactions on Information Forensics and Security*, **2020**, 15, 3443-3453	8	5
226	System-Level Reliability Analysis of a Repairable Power Electronic-Based Power System Considering Non-Constant Failure Rates **2020**,		2
225	Common-Ground-Type Single-Source High Step-Up Cascaded Multilevel Inverter for Transformerless PV Applications. *Mathematics*, **2020**, 8, 1716	2.3	2
224	Optimization and dynamic techno-economic analysis of a novel PVT-based smart building energy system. *Applied Thermal Engineering*, **2020**, 181, 115926	5.8	29
223	Speed-Sensorless Control of Linear Induction Motor Based on the SSLKF-PLL Speed Estimation Scheme. *IEEE Transactions on Industry Applications*, **2020**, 56, 4986-5002	4.3	8
222	Seven-level boosting active neutral point clamped inverter using cross-connected switched capacitor cells. *IET Power Electronics*, **2020**, 13, 1919-1924	2.2	8
221	Energy Storage for 1500 V Photovoltaic Systems: A Comparative Reliability Analysis of DC- and AC-Coupling. *Energies*, **2020**, 13, 3355	3.1	11
220	What is Energy Internet? Concepts, Technologies, and Future Directions. *IEEE Access*, **2020**, 8, 183127-183145	3.3	15

219	Nonlinear Sub-synchronous Oscillation Damping Controller for Direct-drive Wind Farms with VSC-HVDC Systems. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1	5.6	3
218	Li-ion-based Battery Pack Designing and Sizing for Electric Vehicles under Different Road Conditions **2020**,		1
217	A Five-Level Common-Ground-T-Type Inverter for Solar Photovoltaic Applications **2020**,		3
216	Distributed Control of Islanded Series PV-Battery-Hybrid Systems with Low Communication Burden **2020**,		2
215	Common-Mode Voltage Analysis and Reduction for the Quasi-Z-Source Inverter with a Split Inductor. *Applied Sciences (Switzerland)*, **2020**, 10, 8713	2.6	2
214	A Condition of Equivalence Between Bus Injection and Branch Flow Models in Radial Networks. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 536-540	3.5	2
213	A Luenberger observer-based phase locked loop for single-phase systems under harmonic disturbances. *International Journal of Electrical Power and Energy Systems*, **2020**, 116, 105528	5.1	2
212	Transient Analysis of Microgrids With Parallel Synchronous Generators and Virtual Synchronous Generators. *IEEE Transactions on Energy Conversion*, **2020**, 35, 95-105	5.4	42
211	Common-Mode Voltage Reduction With Improved Output Voltage for Three-to-Five-Phase Indirect Matrix Converters. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 8, 2918-2929	5.6	5
210	Modulation for the AVC-HERIC Inverter to Compensate for Deadtime and Minimum Pulsewidth Limitation Distortions. *IEEE Transactions on Power Electronics*, **2020**, 35, 2571-2584	7.2	9
209	Phase Reshaping via All-Pass Filters for Robust LCL-Filter Active Damping. *IEEE Transactions on Power Electronics*, **2020**, 35, 3114-3126	7.2	13
208	Impact of Modulation Strategies on the Reliability and Harmonics of Impedance-Source Inverters. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 8, 3968-3981	5.6	16
207	Critical Parameter Analysis and Design of the Quasi-Z-Source Inverter **2019**,		1
206	A Review on Transformerless Step-Up Single-Phase Inverters with Different DC-Link Voltage for Photovoltaic Applications. *Energies*, **2019**, 12, 3626	3.1	6
205	On the Stability of Power Electronics-Dominated Systems: Challenges and Potential Solutions. *IEEE Transactions on Industry Applications*, **2019**, 55, 7657-7670	4.3	40
204	Hotspot diagnosis for solar photovoltaic modules using a Naive Bayes classifier. *Solar Energy*, **2019**, 190, 34-43	6.8	44
203	Characteristic Analysis of the Grid-Connected Impedance-Source Inverter for PV Applications **2019**,		1
202	Performance Analysis of a Grid-Connected Rooftop Solar Photovoltaic System. *Electronics (Switzerland)*, **2019**, 8, 905	2.6	16

201	Review of mismatch mitigation techniques for PV modules. *IET Renewable Power Generation*, **2019**, 13, 2035-2050	2.9	28
200	Wear-out evolution analysis of multiple-bond-wires power modules based on thermo-electro-mechanical FEM simulation. *Microelectronics Reliability*, **2019**, 100-101, 113472	1.2	3
199	Fault ride-through control of grid-connected photovoltaic power plants: A review. *Solar Energy*, **2019**, 180, 340-350	6.8	45
198	Extended analysis on Line-Line and Line-Ground faults in PV arrays and a compatibility study on latest NEC protection standards. *Energy Conversion and Management*, **2019**, 196, 988-1001	10.6	16
197	A Multilevel Inverter with Minimized Components Featuring Self-balancing and Boosting Capabilities for PV Applications. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2019**, 1-1	5.6	19
196	Integrated demand response for a load serving entity in multi-energy market considering network constraints. *Applied Energy*, **2019**, 250, 512-529	10.7	39
195	Single-Sensor Control of LCL-Filtered Grid-Connected Inverters. *IEEE Access*, **2019**, 7, 38481-38494	3.5	22
194	Efficiency Comparison of AC and DC Distribution Networks for Modern Residential Localities. *Applied Sciences (Switzerland)*, **2019**, 9, 582	2.6	18
193	A Tight Linear Program for Feasibility Check and Solutions to Natural Gas Flow Equations. *IEEE Transactions on Power Systems*, **2019**, 34, 2441-2444	7	17
192	. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2019**, 7, 1837-1845	5.6	10
191	Hybrid UP-PWM Scheme for HERIC Inverter to Improve Power Quality and Efficiency. *IEEE Transactions on Power Electronics*, **2019**, 34, 4292-4303	7.2	22
190	A Simplification Method for Power Device Thermal Modeling With Quantitative Error Analysis. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2019**, 7, 1649-1658	5.6	7
189	An Embedded Switched-Capacitor Z-Source Inverter with Continuous Input Currents **2019**,		2
188	Evaluation of Interconnection Configuration Schemes for PV Modules with Switched-Inductor Converters under Partial Shading Conditions. *Energies*, **2019**, 12, 2802	3.1	8
187	Stability Analysis and Improvement of Three-Phase Grid-Connected Power Converters with Virtual Inertia Control **2019**,		1
186	An Improved Modulation Strategy for the Active Voltage Clamping HERIC Inverter **2019**,		2
185	An Overview of Photovoltaic Microinverters: Topology, Efficiency, and Reliability **2019**,		9
184	Modeling Photovoltaic String in PLECS Under Partial Shading **2019**,		2

183	New High Voltage Gain DC-DC Converter Based on Modified Quasi Z-Source Network **2019**,		2
182	Risk assessment-based long-term transmission system hardening under prior probabilistic information. *IET Generation, Transmission and Distribution*, **2019**, 13, 108-115	2.5	8
181	A Comparative Study of Flexible Power Point Tracking Algorithms in Photovoltaic Systems **2019**,		2
180	Thermal Performance Evaluation of 1500-VDC Photovoltaic Inverters Under Constant Power Generation Operation **2019**,		3
179	Small-Signal Modeling and Dynamic Analysis of the Quasi-Z-Source Converter **2019**,		2
178	Impact of the Circulating Current Control on Transient Submodule Voltage Stresses for Grid-Tied Modular Multilevel Converters During Grid Faults **2019**,		1
177	Leakage Current Mitigation in Transformerless Z-Source/Quasi-Z-Source PV Inverters: An Overview **2019**,		3
176	A Symmetrical Transformerless Hybrid Converter with Leakage Current Suppression **2019**,		2
175	Finite Element Modeling of IGBT Modules to Explore the Correlation between Electric Parameters and Damage in Bond Wires **2019**,		3
174	A New 5-Level ANPC Switched Capacitor Inverter Topology for Photovoltaic Applications **2019**,		5
173	A Fixed-Length Transfer Delay Based Adaptive Frequency-Locked Loop for Single-Phase Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 4000-4004	7.2	21
172	Power electronic technologies for PV systems **2019**, 15-43		4
171	PV system modeling, monitoring, and diagnosis **2019**, 45-74		2
170	Control of PV systems under normal grid conditions **2019**, 75-112		1
169	Advanced control of PV systems under anomaly grid conditions **2019**, 113-152		2
168	Flexible active power control of PV systems **2019**, 153-185		1
167	An Adaptive Control Scheme for Flexible Power Point Tracking in Photovoltaic Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 5451-5463	7.2	47
166	Co-Design of the PV Array and DC/AC Inverter for Maximizing the Energy Production in Grid-Connected Applications. *IEEE Transactions on Energy Conversion*, **2019**, 34, 509-519	5.4	11

165	Reduced switch-count structure for symmetric multilevel inverters with a novel switched-DC-source submodule. *IET Power Electronics*, **2019**, 12, 311-321	2.2	11
164	An Interaction-Admittance Model for Multi-Inverter Grid-Connected Systems. *IEEE Transactions on Power Electronics*, **2019**, 34, 7542-7557	7.2	20
163	A 1-MHz Series Resonant DCDC Converter With a Dual-Mode Rectifier for PV Microinverters. *IEEE Transactions on Power Electronics*, **2019**, 34, 6544-6564	7.2	26
162	Detecting False Data Injection Attacks Against Power System State Estimation With Fast Go-Decomposition Approach. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 2892-2904	11.9	48
161	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
160	An Eight-Switch Five-Level Current Source Inverter. *IEEE Transactions on Power Electronics*, **2019**, 34, 8389-8404	7.2	5
159	Impact of Negative Reactance on Definiteness of B-Matrix and Feasibility of DC Power Flow. *IEEE Transactions on Smart Grid*, **2019**, 10, 1725-1734	10.7	6
158	Simplified Thermal Modeling for IGBT Modules With Periodic Power Loss Profiles in Modular Multilevel Converters. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 2323-2332	8.9	51
157	Duality-Free Decomposition Based Data-Driven Stochastic Security-Constrained Unit Commitment. *IEEE Transactions on Sustainable Energy*, **2019**, 10, 82-93	8.2	47
156	Flexible Power Control of Photovoltaic Systems **2018**, 207-229		2
155	Analysis and Mitigation of Dead-Time Harmonics in the Single-Phase Full-Bridge PWM Converter With Repetitive Controllers. *IEEE Transactions on Industry Applications*, **2018**, 54, 5343-5354	4.3	39
154	Three-phase phase-locked loop synchronization algorithms for grid-connected renewable energy systems: A review. *Renewable and Sustainable Energy Reviews*, **2018**, 90, 434-452	16.2	53
153	. *IEEE Transactions on Power Electronics*, **2018**, 33, 6248-6261	7.2	40
152	Analysis and Modeling of Interharmonics From Grid-Connected Photovoltaic Systems. *IEEE Transactions on Power Electronics*, **2018**, 33, 8353-8364	7.2	43
151	Load-independent harmonic mitigation in SCR-fed three-phase multiple adjustable speed drive systems with deliberately dispatched firing angles. *IET Power Electronics*, **2018**, 11, 727-734	2.2	7
150	A general algorithm for flexible active power control of photovoltaic systems **2018**,		2
149	On the Impacts of PV Array Sizing on the Inverter Reliability and Lifetime. *IEEE Transactions on Industry Applications*, **2018**, 54, 3656-3667	4.3	52
148	A transformerless single-phase symmetrical Z-source HERIC inverter with reduced leakage currents for PV systems **2018**,		4

147	A Hierarchical Modeling for Reactive Power Optimization With Joint Transmission and Distribution Networks by Curve Fitting. *IEEE Systems Journal*, **2018**, 12, 2739-2748	4.3	20
146	Lifetime Evaluation of Grid-Connected PV Inverters Considering Panel Degradation Rates and Installation Sites. *IEEE Transactions on Power Electronics*, **2018**, 33, 1225-1236	7.2	85
145	A Data-Driven Stochastic Reactive Power Optimization Considering Uncertainties in Active Distribution Networks and Decomposition Method. *IEEE Transactions on Smart Grid*, **2018**, 9, 4994-5004	10.7	49
144	. *IEEE Transactions on Industry Applications*, **2018**, 54, 447-457	4.3	56
143	Design for Reliability of Power Electronic Systems **2018**, 1423-1440		18
142	Modeling and Control of Single-Phase AC/DC Converters **2018**, 93-115		3
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