

Yongheng Yang

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2023, 11, 1169-1178.	5.4	36
2	Resilience-Oriented Control for Cyber-Physical Hybrid Energy Storage Systems Using a Semiconsensus Scheme: Design and Practice. IEEE Transactions on Industrial Electronics, 2023, 70, 2508-2519.	7.9	5
3	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, 2023, 11, 288-300.	5.4	4
4	A Single-Phase Common-Ground Five-Level Transformerless Inverter With Low Component Count for PV Applications. IEEE Transactions on Industrial Electronics, 2023, 70, 2662-2674.	7.9	19
5	Capacitor Voltage Balancing for Multilevel Dual-Active-Bridge DC-DC Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 2566-2575.	7.9	7
6	Nonlinear Subsynchronous Oscillation Damping Controller for Direct-Drive Wind Farms With VSC-HVDC Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2842-2858.	5.4	10
7	Speed-Sensorless Control of Induction Motors With an Open-Loop Synchronization Method. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1963-1977.	5.4	10
8	A Single-Source Nine-Level Boost Inverter With a Low Switch Count. IEEE Transactions on Industrial Electronics, 2022, 69, 2644-2658.	7.9	66
9	A Cascaded Half-Bridge Three-Level Inverter With an Inductive DC-Link for Flexible Voltage Boosting. IEEE Transactions on Industrial Electronics, 2022, 69, 4901-4913.	7.9	4
10	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.	7.9	16
11	Power-Estimation-Based Synchronous Rectification Solution for Bidirectional DAB-LLC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1213-1217.	3.0	2
12	Improved Model Predictive Control for Single-Phase Grid-Tied Inverter With Virtual Vectors in the Compacted Solution-Space. IEEE Transactions on Industrial Electronics, 2022, 69, 9673-9678.	7.9	8
13	Dynamic Stabilization of DC Microgrids Using ANN-Based Model Predictive Control. IEEE Transactions on Energy Conversion, 2022, 37, 999-1010.	5.2	19
14	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.	7.9	51
15	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, 2022, 10, 6891-6909.	5.4	7
16	The Closed-Loop Sideband Harmonic Suppression for CHB Inverter With Unbalanced Operation. IEEE Transactions on Power Electronics, 2022, 37, 5333-5341.	7.9	9
17	A Delay-Based Frequency Estimation Scheme for Speed-Sensorless Control of Induction Motors. IEEE Transactions on Industry Applications, 2022, 58, 2107-2121.	4.9	5
18	Fractional-Order Multiperiodic Odd-Harmonic Repetitive Control of Programmable AC Power Sources. IEEE Transactions on Power Electronics, 2022, 37, 7751-7758.	7.9	9

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19	Hybrid Swapped Battery Charging and Logistics Dispatch Model in Continuous Time Domain. IEEE Transactions on Vehicular Technology, 2022, 71, 2448-2458.	6.3	8
20	Multi-Timescale Control of Variable-Speed Wind Turbine for Inertia Provision. Applied Sciences (Switzerland), 2022, 12, 3263.	2.5	3
21	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.	16.4	16
22	Home Energy Management Systems: Operation and Resilience of Heuristics Against Cyberattacks. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 21-30.	1.4	4
23	Evaluation of solar radiation models on vertical surface for building photovoltaic applications in Beijing. IET Renewable Power Generation, 2022, 16, 1792-1807.	3.1	2
24	A Novel Methodology for Partial Shading Diagnosis Using the Electrical Parameters of Photovoltaic Strings. IEEE Journal of Photovoltaics, 2022, 12, 1027-1035.	2.5	16
25	A Unified Design Approach of Optimal Transient Single-Phase-Shift Modulation for Nonresonant Dual-Active-Bridge Converter With Complete Transient DC-Offset Elimination. IEEE Transactions on Power Electronics, 2022, 37, 13217-13237.	7.9	4
26	Performance Assessment of Mismatch Mitigation Methodologies Using Field Data in Solar Photovoltaic Systems. Electronics (Switzerland), 2022, 11, 1938.	3.1	3
27	Common Mode Voltage Reduction and Neutral-Point Voltage Balance for Quasi-Z-Source Three-Level Neutral-Point-Clamped Inverters. , 2022, , .		0
28	Finite-Time Large Signal Stabilization for High Power DC Microgrids With Exact Offsetting of Destabilizing Effects. IEEE Transactions on Industrial Electronics, 2021, 68, 4014-4026.	7.9	14
29	A Phase-Shifting MPPT to Mitigate Interharmonics From Cascaded H-Bridge PV Inverters. IEEE Transactions on Industry Applications, 2021, 57, 3052-3063.	4.9	22
30	Resilient Synchronization Strategy for AC Microgrids Under Cyber Attacks. IEEE Transactions on Power Electronics, 2021, 36, 73-77.	7.9	67
31	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.	5.2	13
32	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.	5.4	13
33	Distributed Optimal Control of Energy Hubs for Micro-Integrated Energy Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2145-2158.	9.3	16
34	Generalized Space Vector Modulation for Ripple Current Reduction in Quasi-Z-Source Inverters. IEEE Transactions on Power Electronics, 2021, 36, 1730-1741.	7.9	15
35	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.	5.4	26
36	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.	5.4	11

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37	A Six-Switch Seven-Level Triple-Boost Inverter. IEEE Transactions on Power Electronics, 2021, 36, 1225-1230.	7.9	62
38	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.	5.5	15
39	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.	5.4	9
40	Sensorless Control of DC Microgrid Based on Artificial Intelligence. IEEE Transactions on Energy Conversion, 2021, 36, 2319-2329.	5.2	18
41	Sub-Synchronous Oscillation Characteristics and Analysis of Direct-Drive Wind Farms With VSC-HVDC Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 1127-1140.	8.8	31
42	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.	7.9	11
43	Quantifying Cyber Attacks on Industrial MMC-HVDC Control System Using Structured Pseudospectrum. IEEE Transactions on Power Electronics, 2021, 36, 4915-4920.	7.9	18
44	A Novel Energy Management Strategy in Electric Vehicle Based on \hat{z} Self-Gain Scheduled for Linear Parameter Varying Systems. IEEE Transactions on Energy Conversion, 2021, 36, 767-778.	5.2	13
45	A Novel Boost Cascaded Multilevel Inverter. IEEE Transactions on Industrial Electronics, 2021, 68, 8072-8080.	7.9	30
46	An Interlinking Converter for Renewable Energy Integration Into Hybrid Grids. IEEE Transactions on Power Electronics, 2021, 36, 2499-2504.	7.9	25
47	Design Implementation and Operation of an Education Laboratory-Scale Microgrid. IEEE Access, 2021, 9, 57949-57966.	4.2	14
48	An LLC-DAB Bidirectional DCX Converter with Wide Load Range ZVS and Reduced Switch Count. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	8
49	Low voltage ride-through operation of single-phase PV systems. , 2021, , 471-498.		1
50	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.	7.9	19
51	Experimental validation of nine-level switched-capacitor inverter topology with high voltage gain. International Journal of Circuit Theory and Applications, 2021, 49, 2479-2493.	2.0	13
52	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.	6.0	24
53	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.	3.6	24
54	Advancing Grid-Connected Renewable Generation Systems. Applied Sciences (Switzerland), 2021, 11, 3058.	2.5	0

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55	A Simple Mismatch Mitigating Partial Power Processing Converter for Solar PV Modules. <i>Energies</i> , 2021, 14, 2308.	3.1	3
56	A fast MPPT-based anomaly detection and accurate fault diagnosis technique for PV arrays. <i>Energy Conversion and Management</i> , 2021, 234, 113950.	9.2	38
57	A robust parametrization method of photovoltaic modules for enhancing one-diode model accuracy under varying operating conditions. <i>Renewable Energy</i> , 2021, 168, 764-778.	8.9	16
58	Open-Circuit Fault Analysis and Fault-Tolerant Control for 2/3-Level DAB Converters. , 2021, , .		5
59	Bridgeless PFC Topology Simplification and Design for Performance Benchmarking. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 5398-5414.	7.9	31
60	Reconfigurable Distributed Power Electronics Technique for Solar PV Systems. <i>Electronics (Switzerland)</i> , 2021, 10, 1121.	3.1	2
61	Enhanced Reliability of 1500-V Photovoltaic Inverters with Junction Temperature Limit Control. , 2021, , .		5
62	Speed-Sensorless Control of Induction Motor Drives with A Delay-Based Frequency Estimation Method. , 2021, , .		1
63	Flexible Power Control of Distributed Grid-Connected Series-Photovoltaic-Battery Systems. , 2021, , .		4
64	A Novel Single-Stage Five-Level Common-Ground-Boost-Type Active Neutral-Point-Clamped (5L-CGBT-ANPC) Inverter. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 6192-6196.	7.9	41
65	Modeling and Analysis of 2/3-Level Dual-Active-Bridge DC-DC Converters with the Five-Level Control Scheme. , 2021, , .		5
66	Performance Comparison of PV Inverter Systems Considering System Voltage Ratings and Installation Sites. , 2021, , .		1
67	Loss Unbalance Issue of the Full-bridge Inverter with Reactive Power Injection. , 2021, , .		0
68	Virtual Microgrid Management via Software-Defined Energy Network for Electricity Sharing: Benefits and Challenges. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2021, 7, 10-19.	1.4	13
69	Primary frequency control techniques for large-scale PV-integrated power systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110998.	16.4	64
70	Event-Triggering Virtual Inertia Control of PV Systems With Power Reserve. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 4059-4070.	4.9	26
71	Guest editorial: Modelling, methodologies and control techniques of DC/AC power conversion topologies for small€and large€scale photovoltaic power systems. <i>IET Power Electronics</i> , 2021, 14, 2027-2030.	2.1	0
72	Distributed Control of Islanded Series PV-Battery-Hybrid Systems With Low Communication Burden. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 10199-10213.	7.9	17

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73	A Review on Direct Power Control of Pulsewidth Modulation Converters. IEEE Transactions on Power Electronics, 2021, 36, 11984-12007.	7.9	49
74	Frequency-Adaptive Virtual Variable Sampling-Based Selective Harmonic Repetitive Control of Power Inverters. IEEE Transactions on Industrial Electronics, 2021, 68, 11339-11347.	7.9	15
75	Reliability Analysis of Power Components in Restructured DC/DC Converters. IEEE Transactions on Device and Materials Reliability, 2021, 21, 544-555.	2.0	10
76	Hybrid transformerless PV converters with low leakage currents: Analysis and configuration. IET Renewable Power Generation, 2021, 15, 368-381.	3.1	5
77	Fast and Accurate Modeling of Power Converter Availability for Adequacy Assessment. IEEE Transactions on Power Delivery, 2021, 36, 3992-3995.	4.3	3
78	Energy efficiency enhancement in full-bridge PV inverters with advanced modulations. E-Prime, 2021, 1, 100004.	2.0	4
79	Lifetime Modeling and Analysis of Aqueous Organic Redox-flow Batteries for Renewable Energy Application. , 2021, , .		0
80	Employing the Generative Adversarial Networks (GAN) for Reliability Assessment of Converters. , 2021, , .		0
81	A Fully Symmetrical Three-port Hybrid Converter for PV Systems. , 2021, , .		1
82	System-Level Mapping of Modeling Methods for Stability Characterization in Microgrids. , 2021, , .		2
83	Discontinuous Modulation for Improved Thermal Balance of Three-Level 1500-V Photovoltaic Inverters under Low-Voltage Ride-Through. , 2021, , .		4
84	Optimization of Reactive Power Distribution in Series PV-Battery-Hybrid Systems. , 2021, , .		0
85	Capacitor Voltage Balancing Control Scheme for 2/3-Level DAB Converters. , 2021, , .		1
86	Improved Cascaded H-Bridge Multilevel Inverters with Voltage-Boosting Capability. Electronics (Switzerland), 2021, 10, 2801.	3.1	4
87	System-Level Stability of the CIGRE Low Voltage Benchmark System: Definitions and Extrapolations. , 2021, , .		4
88	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.	3.0	2
89	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.	5.5	4
90	Transient Analysis of Microgrids With Parallel Synchronous Generators and Virtual Synchronous Generators. IEEE Transactions on Energy Conversion, 2020, 35, 95-105.	5.2	105

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91	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.	5.4	9
92	Modulation for the AVC-HERIC Inverter to Compensate for Deadtime and Minimum Pulsewidth Limitation Distortions. IEEE Transactions on Power Electronics, 2020, 35, 2571-2584.	7.9	16
93	Phase Reshaping via All-Pass Filters for Robust LCL-Filter Active Damping. IEEE Transactions on Power Electronics, 2020, 35, 3114-3126.	7.9	36
94	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.	5.4	22
95	Reliability Evaluation for Integrated Power-Gas Systems With Power-to-Gas and Gas Storages. IEEE Transactions on Power Systems, 2020, 35, 571-583.	6.5	123
96	Mission Profile-Oriented Control for Reliability and Lifetime of Photovoltaic Inverters. IEEE Transactions on Industry Applications, 2020, 56, 601-610.	4.9	58
97	Modeling and Evaluation of Stator and Rotor Faults for Induction Motors. Energies, 2020, 13, 133.	3.1	23
98	A Modified Y-Source DC-DC Converter With High Voltage-Gains and Low Switch Stresses. IEEE Transactions on Power Electronics, 2020, 35, 7716-7720.	7.9	27
99	Fast Amplitude Estimation for Low-Voltage Ride-Through Operation of Single-Phase Systems. IEEE Access, 2020, 8, 8477-8484.	4.2	4
100	Defense Strategy for Resilient Shipboard Power Systems Considering Sequential Attacks. IEEE Transactions on Information Forensics and Security, 2020, 15, 3443-3453.	6.9	12
101	System-Level Reliability Analysis of a Repairable Power Electronic-Based Power System Considering Non-Constant Failure Rates. , 2020, , .		3
102	Common-Ground-Type Single-Source High Step-Up Cascaded Multilevel Inverter for Transformerless PV Applications. Mathematics, 2020, 8, 1716.	2.2	3
103	Optimization and dynamic techno-economic analysis of a novel PVT-based smart building energy system. Applied Thermal Engineering, 2020, 181, 115926.	6.0	53
104	Speed-Sensorless Control of Linear Induction Motor Based on the SSLKF-PLL Speed Estimation Scheme. IEEE Transactions on Industry Applications, 2020, 56, 4986-5002.	4.9	16
105	Seven-level boosting active neutral point clamped inverter using cross-connected switched capacitor cells. IET Power Electronics, 2020, 13, 1919-1924.	2.1	16
106	Energy Storage for 1500 V Photovoltaic Systems: A Comparative Reliability Analysis of DC- and AC-Coupling. Energies, 2020, 13, 3355.	3.1	14
107	What is Energy Internet? Concepts, Technologies, and Future Directions. IEEE Access, 2020, 8, 183127-183145.	4.2	54
108	Li-ion-based Battery Pack Designing and Sizing for Electric Vehicles under Different Road Conditions. , 2020, , .		5

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109	Modelling and Analysis of the Reliability of a PhotoVoltaic (PV) Inverter. , 2020, , .		2
110	Long-Term Climate Impact On IGBT Lifetime. , 2020, , .		2
111	Design for Reliability of SiC-MOSFET-Based 1500-V PV Inverters with Variable Gate Resistance. , 2020, , .		2
112	A Five-Level Common-Ground-T-Type Inverter for Solar Photovoltaic Applications. , 2020, , .		11
113	Distributed Control of Islanded Series PV-Battery-Hybrid Systems with Low Communication Burden. , 2020, , .		5
114	Common-Mode Voltage Analysis and Reduction for the Quasi-Z-Source Inverter with a Split Inductor. Applied Sciences (Switzerland), 2020, 10, 8713.	2.5	4
115	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.	4.2	43
116	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	21
117	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.	5.2	11
118	Practical Submodule Capacitor Sizing for Modular Multilevel Converter Considering Grid Faults. Applied Sciences (Switzerland), 2020, 10, 3550.	2.5	4
119	A Phase-Shifting MPPT Method to Mitigate Interharmonics from Cascaded H-Bridge PV Inverters. , 2020, , .		7
120	Lifetime Evaluation of Power Modules for Three-Level 1500-V Photovoltaic Inverters. , 2020, , .		6
121	Switchedâ€capacitor multilevel inverter with selfâ€voltageâ€balancing for highâ€frequency power distribution system. IET Power Electronics, 2020, 13, 1807-1818.	2.1	19
122	A Multi-State Dynamic Thermal Model for Accurate Photovoltaic Cell Temperature Estimation. IEEE Journal of Photovoltaics, 2020, 10, 1465-1473.	2.5	28
123	Modified Impedance-Source Inverter with Continuous Input Currents and Fault-Tolerant Operations. Energies, 2020, 13, 3408.	3.1	1
124	Event-Triggering Power Reserve Control for Grid-Connected PV Systems. , 2020, , .		8
125	An islanding detection based on droop characteristic for virtual synchronous generator. International Journal of Electrical Power and Energy Systems, 2020, 123, 106277.	5.5	11
126	Analysis and design of a high voltageâ€gain quasiâ€Zâ€source DCâ€DC converter. IET Power Electronics, 2020, 13, 1837-1847.	2.1	25

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127	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.	7.9	17
128	Characteristics Analysis and Measurement of Inverter-Fed Induction Motors for Stator and Rotor Fault Detection. Energies, 2020, 13, 101.	3.1	18
129	Optimization Design and Control of Single-Stage Single-Phase PV Inverters for MPPT Improvement. IEEE Transactions on Power Electronics, 2020, 35, 13000-13016.	7.9	47
130	A Switched Quasi-Z-Source Inverter with Continuous Input Currents. Energies, 2020, 13, 1390.	3.1	16
131	Optimal Electric Vehicle Charging Strategy With Markov Decision Process and Reinforcement Learning Technique. IEEE Transactions on Industry Applications, 2020, 56, 5811-5823.	4.9	85
132	A Family of Single-Stage, Buck-Boost Inverters for Photovoltaic Applications. Energies, 2020, 13, 1675.	3.1	9
133	Grid-friendly power control for smart photovoltaic systems. Solar Energy, 2020, 210, 115-127.	6.1	32
134	High Step-Up/Down Switched-Capacitor Based Bidirectional DC-DC Converter. , 2020, , .		8
135	A Series Interharmonic Filter for Cascaded H-bridge PV Inverters. , 2020, , .		5
136	Extended Functionalities of Photovoltaic Systems With Flexible Power Point Tracking: Recent Advances. IEEE Transactions on Power Electronics, 2020, 35, 9342-9356.	7.9	91
137	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.	4.4	52
138	Discrete-time Direct Pole Placement for Stability Enhancement of LCL-Filtered Inverters in the Synchronous-Reference Frame. , 2020, , .		1
139	Modulation of 2/3-Level Dual-Active-Bridge DC-DC Converters for Soft-Switching and Minimum Current Stress. , 2020, , .		6
140	High-Gain Symmetrical Z-Source Hybrid Converter with Low Leakage Currents. , 2020, , .		3
141	Adaptive Resilient Operation of Cooperative Grid-Forming Converters Under Cyber Attacks. , 2020, , .		11
142	A Speed Estimation Scheme Based on An Improved SOGI-FLL for Speed-Sensorless Control of Induction Motor Drives. , 2020, , .		11
143	Current Ripple Reduction for the Quasi-Z-Source Inverter with Modified Space-Vector PWM Strategy. , 2020, , .		1
144	Optimal PV Generation Using Symbiotic Organisms Search Optimization Algorithm-Based MPPT. , 2020, , .		3

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145	Intrinsic-Capacitance-based Differential Power Processing for Photovoltaic Modules. , 2020, , .		0
146	Energy Transfer Modes of the Quasi-Z-Source DC-DC Converter Considering Critical Inductance. , 2020, , .		1
147	A Preventive Maintenance Planning Approach for Wind Converters. , 2020, , .		3
148	Impedance Shaping Control for STATCOM to Improve the Stability of Wind Farm Systems. , 2020, , .		1
149	Thermal Modeling of an Electrolytic Capacitor Bank. , 2020, , .		4
150	High Frequency Multicell Cascaded Quasi-Square-Wave Boost Converter. , 2020, , .		0
151	An Improved Boost-Type Hybrid Converter with Multiple Outputs. , 2020, , .		0
152	Analysis and Design of Robust LLCL-Type Filters for Grid-Tied Applications with Capacitor-Current Active Damping. , 2020, , .		1
153	Impedance Network Impact on the Controller Design of the QZSI for PV Applications. , 2020, , .		6
154	A Random Sampling-Rate MPPT Method to Mitigate Interharmonics from Cascaded H-Bridge Photovoltaic Inverters. , 2020, , .		3
155	Virtual Variable Sampling Repetitive Control of Single-Phase DC/AC PWM Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1837-1845.	5.4	22
156	Hybrid UP-PWM Scheme for HERIC Inverter to Improve Power Quality and Efficiency. IEEE Transactions on Power Electronics, 2019, 34, 4292-4303.	7.9	38
157	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.	5.4	14
158	An Embedded Switched-Capacitor Z-Source Inverter with Continuous Input Currents. , 2019, , .		3
159	Evaluation of Interconnection Configuration Schemes for PV Modules with Switched-Inductor Converters under Partial Shading Conditions. Energies, 2019, 12, 2802.	3.1	13
160	Stability Analysis and Improvement of Three-Phase Grid-Connected Power Converters with Virtual Inertia Control. , 2019, , .		1
161	An Improved Modulation Strategy for the Active Voltage Clamping HERIC Inverter. , 2019, , .		2
162	An Overview of Photovoltaic Microinverters: Topology, Efficiency, and Reliability. , 2019, , .		28

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163	Modeling Photovoltaic String in PLECS Under Partial Shading. , 2019, , .		6
164	New High Voltage Gain DC-DC Converter Based on Modified Quasi Z-Source Network. , 2019, , .		6
165	Critical Parameter Analysis and Design of the Quasi-Z-Source Inverter. , 2019, , .		4
166	A Review on Transformerless Step-Up Single-Phase Inverters with Different DC-Link Voltage for Photovoltaic Applications. Energies, 2019, 12, 3626.	3.1	15
167	On the Stability of Power Electronics-Dominated Systems: Challenges and Potential Solutions. IEEE Transactions on Industry Applications, 2019, 55, 7657-7670.	4.9	109
168	Hotspot diagnosis for solar photovoltaic modules using a Naive Bayes classifier. Solar Energy, 2019, 190, 34-43.	6.1	99
169	Design and Analysis of a Novel Trans-inverse DC-DC Converter. , 2019, , .		0
170	Characteristic Analysis of the Grid-Connected Impedance-Source Inverter for PV Applications. , 2019, , .		3
171	Performance Analysis of a Grid-Connected Rooftop Solar Photovoltaic System. Electronics (Switzerland), 2019, 8, 905.	3.1	34
172	Review of mismatch mitigation techniques for PV modules. IET Renewable Power Generation, 2019, 13, 2035-2050.	3.1	46
173	Reliability Analysis of Power Electronic-based Power Systems. , 2019, , .		1
174	Wear-out evolution analysis of multiple-bond-wires power modules based on thermo-electro-mechanical FEM simulation. Microelectronics Reliability, 2019, 100-101, 113472.	1.7	4
175	Fault ride-through control of grid-connected photovoltaic power plants: A review. Solar Energy, 2019, 180, 340-350.	6.1	74
176	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.	9.2	22
177	Performance Benchmark of Bypassing Techniques for Photovoltaic Modules. , 2019, , .		2
178	Integrated demand response for a load serving entity in multi-energy market considering network constraints. Applied Energy, 2019, 250, 512-529.	10.1	92
179	Single-Sensor Control of LCL-Filtered Grid-Connected Inverters. IEEE Access, 2019, 7, 38481-38494.	4.2	34
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