

Yongheng Yang

List of Publications by Year in descending order

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409
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times ranked

6376
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#	ARTICLE	IF	CITATIONS
1	Distributed Power-Generation Systems and Protection. Proceedings of the IEEE, 2017, 105, 1311-1331.	21.3	413
2	Low-Voltage Ride-Through of Single-Phase Transformerless Photovoltaic Inverters. IEEE Transactions on Industry Applications, 2014, 50, 1942-1952.	4.9	288
3	Design and Analysis of Robust Active Damping for LCL Filters Using Digital Notch Filters. IEEE Transactions on Power Electronics, 2017, 32, 2360-2375.	7.9	239
4	Wide-Scale Adoption of Photovoltaic Energy: Grid Code Modifications Are Explored in the Distribution Grid. IEEE Industry Applications Magazine, 2015, 21, 21-31.	0.4	220
5	<i>LCL-Filter Design for Robust Active Damping in Grid-Connected Converters.</i> IEEE Transactions on Industrial Informatics, 2014, 10, 2192-2203.	11.3	215
6	High-Performance Constant Power Generation in Grid-Connected PV Systems. IEEE Transactions on Power Electronics, 2016, 31, 1822-1825.	7.9	208
7	Benchmarking of Grid Fault Modes in Single-Phase Grid-Connected Photovoltaic Systems. IEEE Transactions on Industry Applications, 2013, 49, 2167-2176.	4.9	207
8	Reactive Power Injection Strategies for Single-Phase Photovoltaic Systems Considering Grid Requirements. IEEE Transactions on Industry Applications, 2014, 50, 4065-4076.	4.9	207
9	Control Strategy for Three-Phase Grid-Connected PV Inverters Enabling Current Limitation Under Unbalanced Faults. IEEE Transactions on Industrial Electronics, 2017, 64, 8908-8918.	7.9	189
10	A Two-Stage Robust Optimization for Centralized-Optimal Dispatch of Photovoltaic Inverters in Active Distribution Networks. IEEE Transactions on Sustainable Energy, 2017, 8, 744-754.	8.8	156
11	A Hybrid Power Control Concept for PV Inverters With Reduced Thermal Loading. IEEE Transactions on Power Electronics, 2014, 29, 6271-6275.	7.9	152
12	Lifetime Evaluation of Grid-Connected PV Inverters Considering Panel Degradation Rates and Installation Sites. IEEE Transactions on Power Electronics, 2018, 33, 1225-1236.	7.9	152
13	Power control flexibilities for grid-connected multi-functional photovoltaic inverters. IET Renewable Power Generation, 2016, 10, 504-513.	3.1	150
14	Frequency Adaptive Selective Harmonic Control for Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2015, 30, 3912-3924.	7.9	142
15	A Sensorless Power Reserve Control Strategy for Two-Stage Grid-Connected PV Systems. IEEE Transactions on Power Electronics, 2017, 32, 8559-8569.	7.9	142
16	Thermal Performance and Reliability Analysis of Single-Phase PV Inverters With Reactive Power Injection Outside Feed-In Operating Hours. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 870-880.	5.4	133
17	Prediction of Bond Wire Fatigue of IGBTs in a PV Inverter under a Long-Term Operation. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	128
18	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

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19	Three-phase phase-locked loop synchronization algorithms for grid-connected renewable energy systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 434-452.	16.4	118
20	Delta Power Control Strategy for Multistring Grid-Connected PV Inverters. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 3862-3870.	4.9	117
21	Current Harmonics From Single-Phase Grid-Connected Inverters—Examination and Suppression. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016, 4, 221-233.	5.4	115
22	On the Stability of Power Electronics-Dominated Systems: Challenges and Potential Solutions. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 7657-7670.	4.9	109
23	Design for Reliability of Power Electronics for Grid-Connected Photovoltaic Systems. <i>CPSS Transactions on Power Electronics and Applications</i> , 2016, 1, 92-103.	4.4	106
24	A Synchronization Method for Single-Phase Grid-Tied Inverters. <i>IEEE Transactions on Power Electronics</i> , 2016, 31, 2139-2149.	7.9	106
25	Transient Analysis of Microgrids With Parallel Synchronous Generators and Virtual Synchronous Generators. <i>IEEE Transactions on Energy Conversion</i> , 2020, 35, 95-105.	5.2	105
26	An Improved Virtual Inertia Control for Three-Phase Voltage Source Converters Connected to a Weak Grid. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 8660-8670.	7.9	103
27	Hotspot diagnosis for solar photovoltaic modules using a Naive Bayes classifier. <i>Solar Energy</i> , 2019, 190, 34-43.	6.1	99
28	A Data-Driven Stochastic Reactive Power Optimization Considering Uncertainties in Active Distribution Networks and Decomposition Method. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 4994-5004.	9.0	97
29	Benchmarking of Constant Power Generation Strategies for Single-Phase Grid-Connected Photovoltaic Systems. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 447-457.	4.9	96
30	On the Impacts of PV Array Sizing on the Inverter Reliability and Lifetime. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 3656-3667.	4.9	95
31	An Adaptive Control Scheme for Flexible Power Point Tracking in Photovoltaic Systems. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 5451-5463.	7.9	93
32	Integrated demand response for a load serving entity in multi-energy market considering network constraints. <i>Applied Energy</i> , 2019, 250, 512-529.	10.1	92
33	Extended Functionalities of Photovoltaic Systems With Flexible Power Point Tracking: Recent Advances. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 9342-9356.	7.9	91
34	Low-Voltage Ride-Through Capability of a Single-Stage Single-Phase Photovoltaic System Connected to the Low-Voltage Grid. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-9.	2.5	87
35	Simplified Thermal Modeling for IGBT Modules With Periodic Power Loss Profiles in Modular Multilevel Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 2323-2332.	7.9	85
36	Optimal Electric Vehicle Charging Strategy With Markov Decision Process and Reinforcement Learning Technique. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 5811-5823.	4.9	85

#	ARTICLE	IF	CITATIONS
37	Overview of Single-phase Grid-connected Photovoltaic Systems. Electric Power Components and Systems, 2015, 43, 1352-1363.	1.8	84
38	Power electronics - the key technology for renewable energy system integration. , 2015, , .		84
39	Analysis and Modeling of Interharmonics From Grid-Connected Photovoltaic Systems. IEEE Transactions on Power Electronics, 2018, 33, 8353-8364.	7.9	83
40	Detecting False Data Injection Attacks Against Power System State Estimation With Fast Go-Decomposition Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 2892-2904.	11.3	83
41	Duality-Free Decomposition Based Data-Driven Stochastic Security-Constrained Unit Commitment. IEEE Transactions on Sustainable Energy, 2019, 10, 82-93.	8.8	78
42	Mitigation of Grid-Current Distortion for LCL-Filtered Voltage-Source Inverter With Inverter-Current Feedback Control. IEEE Transactions on Power Electronics, 2018, 33, 6248-6261.	7.9	76
43	Fault ride-through control of grid-connected photovoltaic power plants: A review. Solar Energy, 2019, 180, 340-350.	6.1	74
44	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.	4.9	72
45	Enhancing the Frequency Adaptability of Periodic Current Controllers with a Fixed Sampling Rate for Grid-Connected Power Converters. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	68
46	Constant power generation of photovoltaic systems considering the distributed grid capacity. , 2014, , .		67
47	Resilient Synchronization Strategy for AC Microgrids Under Cyber Attacks. IEEE Transactions on Power Electronics, 2021, 36, 73-77.	7.9	67
48	A Single-Source Nine-Level Boost Inverter With a Low Switch Count. IEEE Transactions on Industrial Electronics, 2022, 69, 2644-2658.	7.9	66
49	Primary frequency control techniques for large-scale PV-integrated power systems: A review. Renewable and Sustainable Energy Reviews, 2021, 144, 110998.	16.4	64
50	Suggested grid code modifications to ensure wide-scale adoption of photovoltaic energy in distributed power generation systems. , 2013, , .		62
51	Optimal Selective Harmonic Control for Power Harmonics Mitigation. IEEE Transactions on Industrial Electronics, 2015, 62, 1220-1230.	7.9	62
52	A Six-Switch Seven-Level Triple-Boost Inverter. IEEE Transactions on Power Electronics, 2021, 36, 1225-1230.	7.9	62
53	Mission Profile-Oriented Control for Reliability and Lifetime of Photovoltaic Inverters. IEEE Transactions on Industry Applications, 2020, 56, 601-610.	4.9	58
54	A 1-MHz Series Resonant DC-DC Converter With a Dual-Mode Rectifier for PV Microinverters. IEEE Transactions on Power Electronics, 2019, 34, 6544-6564.	7.9	56

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55	Droop Control With Improved Disturbance Adaption for a PV System With Two Power Conversion Stages. IEEE Transactions on Industrial Electronics, 2016, 63, 6073-6085.	7.9	54
56	A Synchronization Scheme for Single-Phase Grid-Tied Inverters Under Harmonic Distortion and Grid Disturbances. IEEE Transactions on Power Electronics, 2017, 32, 2784-2793.	7.9	54
57	What is Energy Internet? Concepts, Technologies, and Future Directions. IEEE Access, 2020, 8, 183127-183145.	4.2	54
58	Mission profile based multi-disciplinary analysis of power modules in single-phase transformerless photovoltaic inverters. , 2013, , .		53
59	Optimization and dynamic techno-economic analysis of a novel PVT-based smart building energy system. Applied Thermal Engineering, 2020, 181, 115926.	6.0	53
60	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
61	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
62	A Multipulse Pattern Modulation Scheme for Harmonic Mitigation in Three-Phase Multimotor Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 174-185.	5.4	50
63	A Review on Direct Power Control of Pulsewidth Modulation Converters. IEEE Transactions on Power Electronics, 2021, 36, 11984-12007.	7.9	49
64	Design of Low-Inductance Switching Power Cell for GaN HEMT Based Inverter. IEEE Transactions on Industry Applications, 2018, 54, 1592-1601.	4.9	49
65	Operation and Modulation of H7 Current-Source Inverter With Hybrid SiC and Si Semiconductor Switches. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 387-399.	5.4	48
66	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
67	Power electronics - Key technology for renewable energy systems - Status and future. , 2013, , .		46
68	Review of mismatch mitigation techniques for PV modules. IET Renewable Power Generation, 2019, 13, 2035-2050.	3.1	46
69	An Interaction-Admittance Model for Multi-Inverter Grid-Connected Systems. IEEE Transactions on Power Electronics, 2019, 34, 7542-7557.	7.9	46
70	Synchronization in single-phase grid-connected photovoltaic systems under grid faults. , 2012, , .		44
71	Impact of lifetime model selections on the reliability prediction of IGBT modules in modular multilevel converters. , 2017, , .		44
72	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

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73	Step by step design of a high order power filter for three-phase three-wire grid-connected inverter in renewable energy system. , 2013, , .		42
74	Parameter Identification of Inverter-Fed Induction Motors: A Review. Energies, 2018, 11, 2194.	3.1	41
75	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.	7.9	41
76	Real Field Mission Profile Oriented Design of a SiC-Based PV-Inverter Application. IEEE Transactions on Industry Applications, 2014, 50, 4082-4089.	4.9	40
77	Benchmarking of phase locked loop based synchronization techniques for grid-connected inverter systems. , 2015, , .		40
78	Hotspots and performance evaluation of crystalline-silicon and thin-film photovoltaic modules. Microelectronics Reliability, 2018, 88-90, 1014-1018.	1.7	40
79	Design for Reliability of Power Electronic Systems. , 2018, , 1423-1440.		38
80	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
81	Efficiency Comparison of AC and DC Distribution Networks for Modern Residential Localities. Applied Sciences (Switzerland), 2019, 9, 582.	2.5	38
82	A fast MPPT-based anomaly detection and accurate fault diagnosis technique for PV arrays. Energy Conversion and Management, 2021, 234, 113950.	9.2	38
83	Development of flexible active power control strategies for grid-connected photovoltaic inverters by modifying MPPT algorithms. , 2017, , .		37
84	A Hierarchical Modeling for Reactive Power Optimization With Joint Transmission and Distribution Networks by Curve Fitting. IEEE Systems Journal, 2018, 12, 2739-2748.	4.6	37
85	Enhancing PV Inverter Reliability With Battery System Control Strategy. CPSS Transactions on Power Electronics and Applications, 2018, 3, 93-101.	4.4	36
86	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
87	Phase Reshaping via All-Pass Filters for Robust LCL-Filter Active Damping. IEEE Transactions on Power Electronics, 2020, 35, 3114-3126.	7.9	36
88	Performance Analysis of a Grid-Connected Rooftop Solar Photovoltaic System. Electronics (Switzerland), 2019, 8, 905.	3.1	34
89	Single-Sensor Control of LCL-Filtered Grid-Connected Inverters. IEEE Access, 2019, 7, 38481-38494.	4.2	34
90	A Fixed-Length Transfer Delay Based Adaptive Frequency-Locked Loop for Single-Phase Systems. IEEE Transactions on Power Electronics, 2019, 34, 4000-4004.	7.9	33

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91	An Enhanced Dual Droop Control Scheme for Resilient Active Power Sharing Among Paralleled Two-Stage Converters. IEEE Transactions on Power Electronics, 2017, 32, 6091-6104.	7.9	32
92	Grid-friendly power control for smart photovoltaic systems. Solar Energy, 2020, 210, 115-127.	6.1	32
93	Pursuing Photovoltaic Cost-Effectiveness: Absolute Active Power Control Offers Hope in Single-Phase PV Systems. IEEE Industry Applications Magazine, 2017, 23, 40-49.	0.4	31
94	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
95	Bridgeless PFC Topology Simplification and Design for Performance Benchmarking. IEEE Transactions on Power Electronics, 2021, 36, 5398-5414.	7.9	31
96	A cost-effective power ramp-rate control strategy for single-phase two-stage grid-connected photovoltaic systems. , 2016, , .		30
97	A Novel Boost Cascaded Multilevel Inverter. IEEE Transactions on Industrial Electronics, 2021, 68, 8072-8080.	7.9	30
98	Reliability-Driven Assessment of GaN HEMTs and Si IGBTs in 3L-ANPC PV Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 956-969.	5.4	29
99	A DC-Link Modulation Scheme With Phase-Shifted Current Control for Harmonic Cancellations in Multidrive Applications. IEEE Transactions on Power Electronics, 2016, 31, 1837-1840.	7.9	29
100	Harmonics mitigation of dead time effects in PWM converters using a repetitive controller. , 2015, , .		28
101	An Overview of Photovoltaic Microinverters: Topology, Efficiency, and Reliability. , 2019, , .		28
102	A Multi-State Dynamic Thermal Model for Accurate Photovoltaic Cell Temperature Estimation. IEEE Journal of Photovoltaics, 2020, 10, 1465-1473.	2.5	28
103	Power electronics - The key technology for Renewable Energy Systems. , 2014, , .		27
104	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
105	Reliability-oriented design and analysis of input capacitors in single-phase transformer-less photovoltaic inverters. , 2013, , .		26
106	Instantaneous thermal modeling of the DC-link capacitor in PhotoVoltaic systems. , 2015, , .		26
107	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
108	Event-Triggering Virtual Inertia Control of PV Systems With Power Reserve. IEEE Transactions on Industry Applications, 2021, 57, 4059-4070.	4.9	26

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109	Predictive Pulse-Pattern Current Modulation Scheme for Harmonic Reduction in Three-Phase Multidrive Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 5932-5942.	7.9	25
110	Analysis and design of a high voltage gain quasi-Z-source DC-DC converter. IET Power Electronics, 2020, 13, 1837-1847.	2.1	25
111	An Interlinking Converter for Renewable Energy Integration Into Hybrid Grids. IEEE Transactions on Power Electronics, 2021, 36, 2499-2504.	7.9	25
112	Reduced junction temperature control during low-voltage ride-through for single-phase photovoltaic inverters. IET Power Electronics, 2014, 7, 2050-2059.	2.1	24
113	Reduced switch-count structure for symmetric multilevel inverters with a novel switched-DC-source submodule. IET Power Electronics, 2019, 12, 311-321.	2.1	24
114	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
115	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
116	Interharmonics from grid-connected PV systems: Mechanism and mitigation. , 2017, , .		23
117	Enhanced Phase-Shifted Current Control for Harmonic Cancellation in Three-Phase Multiple Adjustable Speed Drive Systems. IEEE Transactions on Power Delivery, 2017, 32, 996-1004.	4.3	23
118	Modeling and Evaluation of Stator and Rotor Faults for Induction Motors. Energies, 2020, 13, 133.	3.1	23
119	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
120	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
121	A Tight Linear Program for Feasibility Check and Solutions to Natural Gas Flow Equations. IEEE Transactions on Power Systems, 2019, 34, 2441-2444.	6.5	22
122	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
123	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
124	A new power calculation method for single-phase grid-connected systems. , 2013, , .		21
125	Reactive power injection strategies for single-phase photovoltaic systems considering grid requirements. , 2014, , .		21
126	Zero-Voltage Ride-Through Capability of Single-Phase Grid-Connected Photovoltaic Systems. Applied Sciences (Switzerland), 2017, 7, 315.	2.5	21

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127	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.	5.2	21
128	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
129	Harmonics suppression for single-phase grid-connected PV systems in different operation modes. , 2013, , .		20
130	Digital notch filter based active damping for LCL filters. , 2015, , .		19
131	Loss distribution analysis of three-level active neutral-point-clamped (3L-ANPC) converter with different PWM strategies. , 2016, , .		19
132	Switchedâ€œcapacitor multilevel inverter with selfâ€œvoltageâ€œbalancing for highâ€œfrequency power distribution system. IET Power Electronics, 2020, 13, 1807-1818.	2.1	19
133	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
134	Dynamic Stabilization of DC Microgrids Using ANN-Based Model Predictive Control. IEEE Transactions on Energy Conversion, 2022, 37, 999-1010.	5.2	19
135	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
136	Benchmarking of constant power generation strategies for single-phase grid-connected Photovoltaic systems. , 2016, , .		18
137	A review on current reference calculation of three-phase grid-connected PV converters under grid faults. , 2017, , .		18
138	Characteristics Analysis and Measurement of Inverter-Fed Induction Motors for Stator and Rotor Fault Detection. Energies, 2020, 13, 101.	3.1	18
139	Sensorless Control of DC Microgrid Based on Artificial Intelligence. IEEE Transactions on Energy Conversion, 2021, 36, 2319-2329.	5.2	18
140	Quantifying Cyber Attacks on Industrial MMC-HVDC Control System Using Structured Pseudospectrum. IEEE Transactions on Power Electronics, 2021, 36, 4915-4920.	7.9	18
141	Benchmarking of Voltage Sag Generators. , 2012, , .		17
142	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
143	Distributed Control of Islanded Series PV-Battery-Hybrid Systems With Low Communication Burden. IEEE Transactions on Power Electronics, 2021, 36, 10199-10213.	7.9	17
144	A low-voltage ride-through control strategy for three-phase grid-connected PV systems. , 2017, , .		17

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145	Mission profile translation to capacitor stresses in grid-connected photovoltaic systems. , 2014, , .		16
146	Reliability analysis of single-phase PV inverters with reactive power injection at night considering mission profiles. , 2015, , .		16
147	A review of electronic inductor technique for power factor correction in three-phase adjustable speed drives. , 2016, , .		16
148	Sensorless reserved power control strategy for two-stage grid-connected Photovoltaic systems. , 2016, , .		16
149	Negative Reactance Impacts on the Eigenvalues of the Jacobian Matrix in Power Flow and Type-1 Low-Voltage Power-Flow Solutions. IEEE Transactions on Power Systems, 2017, 32, 3471-3481.	6.5	16
150	Design of Digital Filter-based Highly Robust Active Damping for LCL-filtered Grid-tied Inverters. , 2018, , .		16
151	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
152	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
153	Seven-level boosting active neutral point clamped inverter using cross-connected switched capacitor cells. IET Power Electronics, 2020, 13, 1919-1924.	2.1	16
154	A Switched Quasi-Z-Source Inverter with Continuous Input Currents. Energies, 2020, 13, 1390.	3.1	16
155	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
156	A robust parametrization method of photovoltaic modules for enhancing one-diode model accuracy under varying operating conditions. Renewable Energy, 2021, 168, 764-778.	8.9	16
157	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
158	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
159	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
160	Improved reliability of single-phase PV inverters by limiting the maximum feed-in power. , 2014, , .		15
161	Low voltage ride-through of two-stage grid-connected photovoltaic systems through the inherent linear power-voltage characteristic. , 2017, , .		15
162	Second-order cone programming relaxation-based optimal power flow with hybrid VSC-HVDC transmission and active distribution networks. IET Generation, Transmission and Distribution, 2017, 11, 3665-3674.	2.5	15

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163	A Review on Transformerless Step-Up Single-Phase Inverters with Different DC-Link Voltage for Photovoltaic Applications. <i>Energies</i> , 2019, 12, 3626.	3.1	15
164	Generalized Space Vector Modulation for Ripple Current Reduction in Quasi-Z-Source Inverters. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 1730-1741.	7.9	15
165	An equivalent model for sub-synchronous oscillation analysis in direct-drive wind farms with VSC-HVDC systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106498.	5.5	15
166	Frequency-Adaptive Virtual Variable Sampling-Based Selective Harmonic Repetitive Control of Power Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 11339-11347.	7.9	15
167	Virtual Unit Delay for digital frequency adaptive T/4 Delay Phase-Locked Loop system. , 2016, , .		14
168	Frequency adaptability of harmonics controllers for grid-interfaced converters. <i>International Journal of Control</i> , 2017, 90, 3-14.	1.9	14
169	The impact of mission profile models on the predicted lifetime of IGBT modules in the modular multilevel converter. , 2017, , .		14
170	Impacts of PV array sizing on PV inverter lifetime and reliability. , 2017, , .		14
171	Confidentiality preservation in user-side integrated energy system management for cloud computing. <i>Applied Energy</i> , 2018, 231, 1230-1245.	10.1	14
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