

Samir Kouro

List of Publications by Year in descending order

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papers

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citations

70961

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79
g-index

211
all docs

211
docs citations

211
times ranked

8267
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances and Industrial Applications of Multilevel Converters. IEEE Transactions on Industrial Electronics, 2010, 57, 2553-2580.	5.2	3,160
2	Multilevel Voltage-Source-Converter Topologies for Industrial Medium-Voltage Drives. IEEE Transactions on Industrial Electronics, 2007, 54, 2930-2945.	5.2	1,938
3	The age of multilevel converters arrives. IEEE Industrial Electronics Magazine, 2008, 2, 28-39.	2.3	1,630
4	Model Predictive Control—A Simple and Powerful Method to Control Power Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 1826-1838.	5.2	1,578
5	Circuit Topologies, Modeling, Control Schemes, and Applications of Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2015, 30, 4-17.	5.4	1,129
6	Multilevel Converters: An Enabling Technology for High-Power Applications. Proceedings of the IEEE, 2009, 97, 1786-1817.	16.4	970
7	Grid-Connected Photovoltaic Systems: An Overview of Recent Research and Emerging PV Converter Technology. IEEE Industrial Electronics Magazine, 2015, 9, 47-61.	2.3	926
8	High-power wind energy conversion systems: State-of-the-art and emerging technologies. Proceedings of the IEEE, 2015, 103, 740-788.	16.4	714
9	Guidelines for weighting factors design in Model Predictive Control of power converters and drives. , 2009, , .		490
10	Model Predictive Control of Multilevel Cascaded H-Bridge Inverters. IEEE Transactions on Industrial Electronics, 2010, 57, 2691-2699.	5.2	449
11	Model Predictive Control: MPC's Role in the Evolution of Power Electronics. IEEE Industrial Electronics Magazine, 2015, 9, 8-21.	2.3	383
12	The Essential Role and the Continuous Evolution of Modulation Techniques for Voltage-Source Inverters in the Past, Present, and Future Power Electronics. IEEE Transactions on Industrial Electronics, 2016, 63, 2688-2701.	5.2	343
13	Powering the Future of Industry: High-Power Adjustable Speed Drive Topologies. IEEE Industry Applications Magazine, 2012, 18, 26-39.	0.3	268
14	Current-Source Converter and Cycloconverter Topologies for Industrial Medium-Voltage Drives. IEEE Transactions on Industrial Electronics, 2008, 55, 2786-2797.	5.2	235
15	Electric Vehicle Charging Station Using a Neutral Point Clamped Converter With Bipolar DC Bus. IEEE Transactions on Industrial Electronics, 2015, 62, 1999-2009.	5.2	225
16	Improved Active Frequency Drift Anti-islanding Detection Method for Grid Connected Photovoltaic Systems. IEEE Transactions on Power Electronics, 2012, 27, 2367-2375.	5.4	206
17	Use of Stored Energy in PMSG Rotor Inertia for Low-Voltage Ride-Through in Back-to-Back NPC Converter-Based Wind Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 1787-1796.	5.2	188
18	Cascaded H-bridge multilevel converter multistring topology for large scale photovoltaic systems. , 2011, , .		181

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19	High-Performance Torque and Flux Control for Multilevel Inverter Fed Induction Motors. IEEE Transactions on Power Electronics, 2007, 22, 2116-2123.	5.4	177
20	PMSCâ€­based wind energy conversion systems: survey on power converters and controls. IET Electric Power Applications, 2017, 11, 956-968.	1.1	172
21	Predictive Control for Low-Voltage Ride-Through Enhancement of Three-Level-Boost and NPC-Converter-Based PMSC Wind Turbine. IEEE Transactions on Industrial Electronics, 2014, 61, 6832-6843.	5.2	161
22	Reduced Switching-Frequency-Modulation Algorithm for High-Power Multilevel Inverters. IEEE Transactions on Industrial Electronics, 2007, 54, 2894-2901.	5.2	151
23	Large Current Rectifiers: State of the Art and Future Trends. IEEE Transactions on Industrial Electronics, 2005, 52, 738-746.	5.2	148
24	Multicarrier PWM With DC-Link Ripple Feedforward Compensation for Multilevel Inverters. IEEE Transactions on Power Electronics, 2008, 23, 52-59.	5.4	142
25	Model Predictive Control with constant switching frequency using a Discrete Space Vector Modulation with virtual state vectors. , 2009, , .		137
26	Electric Vehicle Charging Infrastructure: From Grid to Battery. IEEE Industrial Electronics Magazine, 2021, 15, 37-51.	2.3	130
27	Control of a cascaded H-bridge multilevel converter for grid connection of photovoltaic systems. , 2009, , .		116
28	Multidimensional Modulation Technique for Cascaded Multilevel Converters. IEEE Transactions on Industrial Electronics, 2011, 58, 412-420.	5.2	110
29	Level-shifted PWM for Cascaded Multilevel Inverters with Even Power Distribution. , 2007, , .		100
30	Bipolar DC Power Conversion: State-of-the-Art and Emerging Technologies. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1192-1204.	3.7	97
31	Power Distribution in Hybrid Multi-cell Converter with Nearest Level Modulation. , 2007, , .		92
32	Multiobjective Fuzzy-Decision-Making Predictive Torque Control for an Induction Motor Drive. IEEE Transactions on Power Electronics, 2017, 32, 6245-6260.	5.4	92
33	Switching Frequency Regulation for FCS-MPC Based on a Period Control Approach. IEEE Transactions on Industrial Electronics, 2018, 65, 5764-5773.	5.2	92
34	Experimental Validation of a Single DC Bus Cascaded H-Bridge Multilevel Inverter for Multistring Photovoltaic Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 930-934.	5.2	91
35	Variable-Angle Phase-Shifted PWM for Multilevel Three-Cell Cascaded H-Bridge Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 3619-3628.	5.2	84
36	DCâ€­DC MMC for HVdc Grid Interface of Utility-Scale Photovoltaic Conversion Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 352-362.	5.2	79

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37	Reduced Multilevel Converter: A Novel Multilevel Converter With a Reduced Number of Active Switches. IEEE Transactions on Industrial Electronics, 2018, 65, 3636-3645.	5.2	79
38	Analysis of Partial Power DC-DC Converters for Two-Stage Photovoltaic Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 591-603.	3.7	78
39	MPPT Algorithm Based on Artificial Bee Colony for PV System. IEEE Access, 2021, 9, 43121-43133.	2.6	76
40	Leakage Current Mitigation in Photovoltaic String Inverter Using Predictive Control With Fixed Average Switching Frequency. IEEE Transactions on Industrial Electronics, 2017, 64, 9344-9354.	5.2	73
41	Multi-modular cascaded DC-DC converter for HVDC grid connection of large-scale photovoltaic power systems. , 2013, , .		72
42	Cascaded H-bridge multilevel converter topology and three-phase balance control for large scale photovoltaic systems. , 2012, , .		70
43	Modular multilevel converter for large-scale multistring photovoltaic energy conversion system. , 2013, , .		70
44	Multilevel Direct Power Control—A Generalized Approach for Grid-Tied Multilevel Converter Applications. IEEE Transactions on Power Electronics, 2014, 29, 5592-5604.	5.4	70
45	Robotics in Power Systems: Enabling a More Reliable and Safe Grid. IEEE Industrial Electronics Magazine, 2017, 11, 22-34.	2.3	66
46	NPC multilevel multistring topology for large scale grid connected photovoltaic systems. , 2010, , .		63
47	Single DC-link cascaded H-bridge multilevel multistring photovoltaic energy conversion system with inherent balanced operation. , 2012, , .		63
48	Direct Torque Control With Imposed Switching Frequency in an 11-Level Cascaded Inverter. IEEE Transactions on Industrial Electronics, 2004, 51, 827-833.	5.2	62
49	Modeling and analysis of common-mode voltages generated in medium voltage PWM-CSI drives. IEEE Transactions on Power Electronics, 2003, 18, 873-879.	5.4	61
50	Predictive control based selective harmonic elimination with low switching frequency for multilevel converters. , 2009, , .		61
51	Generalised approach for predictive control with common-mode voltage mitigation in multilevel diode-clamped converters. IET Power Electronics, 2015, 8, 1440-1450.	1.5	57
52	Unidimensional Modulation Technique for Cascaded Multilevel Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 2981-2986.	5.2	54
53	Enhanced Switching Frequency Control in FCS-MPC for Power Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 2470-2479.	5.2	48
54	Resonances in a High-Power Active-Front-End Rectifier System. IEEE Transactions on Industrial Electronics, 2005, 52, 482-488.	5.2	39

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55	Binary Search Based Flexible Power Point Tracking Algorithm for Photovoltaic Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 5909-5920.	5.2	39
56	Medium-Voltage Power Converter Interface for Multigenerator Marine Energy Conversion Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 1061-1070.	5.2	33
57	Switching loss analysis of modulation methods used in cascaded H-bridge multilevel converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	31
58	Modular multilevel converter with integrated storage for solar photovoltaic applications. , 2013, , .		31
59	Editorial Special Issue on Modular Multilevel Converters, 2015. IEEE Transactions on Power Electronics, 2015, 30, 1-3.	5.4	29
60	Model predictive control based selective harmonic mitigation technique for multilevel cascaded H-bridge converters. , 2011, , .		28
61	Variable-Angle PS-PWM Technique for Multilevel Cascaded H-Bridge Converters With Large Number of Power Cells. IEEE Transactions on Industrial Electronics, 2021, 68, 6773-6783.	5.2	28
62	Switching loss analysis of modulation methods used in neutral point clamped converters. , 2009, , .		25
63	Predictive current control in a current source inverter operating with low switching frequency. , 2013, , .		25
64	Comparison of 1700-V SiC-MOSFET and Si-IGBT Modules Under Identical Test Setup Conditions. IEEE Transactions on Industry Applications, 2019, 55, 7765-7775.	3.3	25
65	Predictive control of a single-phase cascaded h-bridge photovoltaic energy conversion system. , 2012, , .		23
66	Step-Up Partial Power DC-DC Converters for Two-Stage PV Systems with Interleaved Current Performance. Energies, 2018, 11, 357.	1.6	23
67	Predictive control of a current source rectifier with imposed sinusoidal input currents. , 2013, , .		22
68	Design of a Cleaning Program for a PV Plant Based on Analysis of Energy Losses. IEEE Journal of Photovoltaics, 2015, 5, 1748-1756.	1.5	21
69	MPPT performance enhancement of low-cost PV microconverters. Solar Energy, 2019, 187, 156-166.	2.9	21
70	Partial-Power Converter Topology of Type II for Efficient Electric Vehicle Fast Charging. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7839-7848.	3.7	21
71	Control scheme for low voltage ride-through compliance in back-to-back NPC converter based wind power systems. , 2010, , .		20
72	Direct Torque Control With Reduced Switching Losses for Asymmetric Multilevel Inverter Fed Induction Motor Drives. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	19

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73	Electric vehicle charging station using a neutral point clamped converter with bipolar DC bus and voltage balancing circuit. , 2013, , .		19
74	Bidirectional partial power converter interface for energy storage systems to provide peak shaving in grid-tied PV plants. , 2018, , .		19
75	Step-Down Partial Power DC-DC Converters for Two-Stage Photovoltaic String Inverters. Electronics (Switzerland), 2019, 8, 87.	1.8	19
76	Partial power DC-DC converter for photovoltaic microinverters. , 2016, , .		18
77	Energy Storage Sizing Strategy for Grid-Tied PV Plants under Power Clipping Limitations. Energies, 2019, 12, 1812.	1.6	18
78	Novel Concept of Solar Converter With Universal Applicability for DC and AC Microgrids. IEEE Transactions on Industrial Electronics, 2022, 69, 4329-4341.	5.2	18
79	Modified staircase modulation with low input current distortion for multicell converters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	17
80	Simple modulator with voltage balancing control for the hybrid five-level flying-capacitor based ANPC converter. , 2011, , .		17
81	Multiobjective Fuzzy Predictive Torque Control of an induction machine fed by a 3L-NPC inverter. , 2015, , .		17
82	Predictive control of a current source converter operating with low switching frequency. , 2012, , .		16
83	Finite control set model predictive control of a stacked multicell converter with reduced computational cost. , 2015, , .		16
84	Partial power DC-DC converter for large-scale photovoltaic systems. , 2016, , .		16
85	Evaluation of DCX converters for off-grid photovoltaic-based green hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 19861-19870.	3.8	16
86	A Survey on Capacitor Voltage Control in Neutral-Point-Clamped Multilevel Converters. Electronics (Switzerland), 2022, 11, 527.	1.8	16
87	Control methods for Low Voltage Ride-Through compliance in grid-connected NPC converter based wind power systems using predictive control. , 2009, , .		15
88	Model predictive control of interleaved boost converters for synchronous generator wind energy conversion systems. , 2015, , .		15
89	Partial power DC-DC converter for photovoltaic two-stage string inverters. , 2016, , .		15
90	Ultrawide Voltage Gain Range Microconverter for Integration of Silicon and Thin-Film Photovoltaic Modules in DC Microgrids. IEEE Transactions on Power Electronics, 2021, 36, 13763-13778.	5.4	15

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91	High performance torque and flux control for multilevel inverter fed induction motors. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	14
92	Dual three-phase PMSG based wind energy conversion system using 9-switch dual converter. , 2015, , .		14
93	Adaptive phase-shifted PWM for multilevel cascaded H-bridge converters with large number of power cells. , 2017, , .		14
94	Dual-boost-NPC converter for a dual three-phase PMSG wind energy conversion system. , 2012, , .		13
95	Series-connected T-type Inverters for single-phase grid-connected Photovoltaic Energy System. , 2013, , .		13
96	Operation of an hybrid PV-battery system with improved harmonic performance. , 2017, , .		13
97	Pseudo-Partial-Power Converter without High Frequency Transformer for Electric Vehicle Fast Charging Stations. , 2018, , .		13
98	Five-Level T-type Cascade Converter for Rooftop Grid-Connected Photovoltaic Systems. Energies, 2019, 12, 1743.	1.6	13
99	Photovoltaic Green Hydrogen Challenges and Opportunities: A Power Electronics Perspective. IEEE Industrial Electronics Magazine, 2022, 16, 31-41.	2.3	13
100	A Reduced Switching Frequency Modulation Algorithm for High Power Multilevel Inverters. , 0, , .		12
101	Comparison of single-phase T-type multilevel converters for grid-connected PV systems. , 2015, , .		12
102	Model predictive control for Cascaded H-bridge multilevel inverters with even power distribution. , 2010, , .		11
103	Medium-voltage power converter interface for Wave Dragon wave energy conversion system. , 2013, , .		11
104	Power Production Losses Study by Frequency Regulation in Weak-Grid-Connected Utility-Scale Photovoltaic Plants. Energies, 2016, 9, 317.	1.6	11
105	Leakage Current Elimination PWM Method for Fault-Tolerant String H-NPC PV Inverter. , 2019, , .		11
106	Sliding Mode Based Control of Dual Boost Inverter for Grid Connection. Energies, 2019, 12, 4241.	1.6	11
107	A Fast Converging Hybrid MPPT Algorithm Based on ABC and P&O Techniques for a Partially Shaded PV System. Mathematics, 2021, 9, 2228.	1.1	11
108	The use of solar energy in the copper mining processes: A comprehensive review. Cleaner Engineering and Technology, 2021, 4, 100259.	2.1	11

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109	The DC Transformer Power Electronic Building Block: Powering Next-Generation Converter Design. IEEE Industrial Electronics Magazine, 2023, 17, 21-35.	2.3	11
110	Control of an hybrid multilevel inverter for current waveform improvement. , 2008, , .		10
111	Four-level medium voltage multilevel converter for high power applications. , 2013, , .		10
112	Model predictive control of interleaved dc-dc stage for photovoltaic microconverters. , 2015, , .		10
113	A novel multilevel converter with reduced switch count for low and medium voltage applications. , 2017, , .		10
114	Mechatronized maximum power point tracking for electric field energy harvesting sensor. AEU - International Journal of Electronics and Communications, 2019, 110, 152830.	1.7	10
115	Photovoltaic Module and Submodule Level Power Electronics and Control. IEEE Transactions on Industrial Electronics, 2019, 66, 3856-3859.	5.2	10
116	A Finite Control Set-Model Predictive Control Method for Step-Up Five Level Doubly Grounded Photovoltaic Inverter. , 2020, , .		10
117	Modulated Predictive Current Control of PMSG-Based Wind Energy Systems. , 2020, , .		10
118	Open-end-winding PMSG for wind energy conversion system with dual boost NPC converter. , 2013, , .		9
119	Unfolding PV Microinverter Current Control: Rectified Sinusoidal vs Sinusoidal Reference Waveform. , 2018, , .		9
120	Multilevel converters for renewable energy systems. , 2021, , 155-184.		9
121	Flatness-based control of a boost inverter for PV microinverter application. , 2017, , .		8
122	Sub-modular Power Optimizers Based on Partial Power Converters for Utility Scale PV Plants. , 2019, , .		8
123	Hardware-in-the-Loop to Test an MPPT Technique of Solar Photovoltaic System: A Support Vector Machine Approach. Sustainability, 2021, 13, 3000.	1.6	8
124	A Bidirectional Versatile Buck-Boost Converter Driver for Electric Vehicle Applications. Sensors, 2021, 21, 5712.	2.1	8
125	Hysteresis current control of a vector controlled induction motor and DTC: an assessment. International Journal of Electronics, 2004, 91, 639-651.	0.9	7
126	Generalized direct power control for grid connected multilevel converters. , 2010, , .		7

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127	Improved active frequency drift anti-islanding method with lower total harmonic distortion. , 2010, , .		7
128	Five-level H-bridge NPC central photovoltaic inverter with open-end winding grid connection. , 2014, , .		7
129	Predictive control of an H-NPC converter for single-phase rooftop photovoltaic systems. , 2015, , .		7
130	Predictive control of a single-stage boost DC-AC photovoltaic microinverter. , 2016, , .		7
131	Charging Architectures Integrated with Distributed Energy Resources for Sustainable Mobility. Energy Procedia, 2017, 105, 2317-2322.	1.8	7
132	Predictive Control of Multichannel Boost Converter and VSI-Based Six-Phase PMSG Wind Energy Systems with Fixed Switching Frequency. , 2020, , .		7
133	SiC-MOSFET or Si-IGBT: Comparison of Design and Key Characteristics of a 690 V Grid-Tied Industrial Two-Level Voltage Source Converter. Energies, 2021, 14, 3054.	1.6	7
134	A Model Predictive Control Method For Common Grounded Photovoltaic Multilevel Inverter. , 2020, , .		7
135	Output sinus filter for medium voltage drive with direct torque control. , 0, , .		6
136	Energy storage system for global maximum power point tracking on central inverter PV plants. , 2016, , .		6
137	Flyback-based sub-module PV microinverter. , 2016, , .		6
138	Double voltage step-up photovoltaic microinverter. , 2017, , .		6
139	Four-level double star multilevel converter for grid-connected photovoltaic systems. , 2017, , .		6
140	Bidirectional Partial Power DC-DC Configuration for HESS interface in EV Powertrains. , 2021, , .		6
141	Multicarrier PWM With DC-Link Ripple Feedforward for Multilevel Inverters. , 2006, , .		6
142	Multilevel inverter modulation method with DC-link disturbance compensation. , 2005, , .		5
143	Multicarrier PWM With DC-Link Ripple Feedforward for Multilevel Inverters. , 2006, , .		5
144	Control of simplified multilevel AC-DC-AC converter for small power generation systems. , 2013, , .		5

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145	Back-to-back wind energy conversion system configuration based on 9-switch dual converter and open-end-winding PMSG. , 2015, , .		5
146	Finite control set model predictive control of a Stacked Multicell Converter. , 2015, , .		5
147	Medium voltage 4-level double-star multilevel converter using model predictive control. , 2017, , .		5
148	Ultracapacitor storage enabled global MPPT for photovoltaic central inverters. , 2017, , .		5
149	Partial power converter for a two-stage photovoltaic cascaded string inverter. , 2017, , .		5
150	Maximizing energy harvest of the impedance source PV microconverter under partial shading conditions. , 2018, , .		5
151	A two stage approach for step-up/down series partial power conversion in PV application with wide range of operation. , 2021, , .		5
152	Finite Control Set Model Predictive Control Without Weighting Factors for Common Grounded Five-Level PV Inverter. , 2021, , .		5
153	Evaluation of DC-DC buck-boost partial power converters for EV fast charging application. , 2021, , .		5
154	Dual-Boost Inverter for PV Microinverter Applicationâ€™An Assessment of Control Strategies. Applied Sciences (Switzerland), 2022, 12, 5952.	1.3	5
155	Two-dimensional modulation technique for multilevel cascaded H-bridge converters. , 2009, , .		4
156	Novel modulator for the hybrid two-cell flying-capacitor based ANPC converter. , 2011, , .		4
157	Cascaded H-bridge multilevel converter interface for Wave Dragon energy conversion system. , 2013, , .		4
158	Introduction to the Special Section on Modulation Techniques for DC-to-AC Power Converters. IEEE Transactions on Industrial Electronics, 2013, 60, 1859-1860.	5.2	4
159	Distributed dc bus EV charging station using a single dc-link h-bridge multilevel converter. , 2014, , .		4
160	Adaptive phase-shifted PWM for multilevel cascaded H-bridge converters for balanced or unbalanced operation. , 2015, , .		4
161	Cascaded H-bridges for sub-module PV microinverter. , 2016, , .		4
162	Cascade-free model predictive control of a grid-tie multilevel photovoltaic system. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
163	Sub-module photovoltaic microinverter with cascaded flybacks and unfolding H-bridge inverter. , 2017, , .		4
164	Harmonic interaction modelling of multiple utility-interactive multilevel photovoltaic systems. , 2017, , .		4
165	Single-Switch Impedance-Source Galvanically Isolated DC-DC Converter with Combined Energy Transfer. , 2018, , .		4
166	Power Conversion and Predictive Control of Wind Energy Conversion Systems. Power Systems, 2019, , 113-139.	0.3	4
167	Three-Mode Reconfigurable Rectifier for DC-DC Converters with Wide Input Voltage Range. , 2019, , .		4
168	Charging Architectures for Electric and Plug-In Hybrid Electric Vehicles. , 2017, , 111-149.		4
169	Single-phase Controlled Rectifiers. , 2011, , 183-204.		3
170	Evaluation of photovoltaic microinverter configurations based on different converter stages and step-up voltage ratios. , 2017, , .		3
171	Current Control of Interleaved DC-DC Converter in Continuous and Discontinuous Mode. , 2018, , .		3
172	Wide Input Voltage Range High Step-Up DC-DC Converter with Fault-Tolerant Operation Capability. , 2019, , .		3
173	Space Vector Modulation Scheme for Three-Phase Single-Stage SEPIC-Based Grid-Connected Differential Inverter. , 2021, , .		3
174	Photovoltaic DC-DC converter for direct power interface to copper electrorefining process. , 2015, , .		2
175	Nine switch multi-channel dual converter for WECS. , 2015, , .		2
176	Multiobjective Predictive Control of a three-phase seven-level cascaded H-bridge converter for grid-connected photovoltaic systems. , 2015, , .		2
177	Multi-channel partial power DC-DC converter for current balancing of LED strings. , 2017, , .		2
178	Permanent Magnet Synchronous Generator WECS based on a four-level double star converter. , 2017, , .		2
179	Impedance norton modelling of utility-interactive multilevel photovoltaic systems. , 2017, , .		2
180	Capacitor Voltage Ripple Reduction Modulation Method for String Photovoltaic Inverters. , 2019, , .		2

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181	Model Predictive Control Method for Flying Capacitor Five-Level Commonly-Grounded Photovoltaic Inverter. , 2021, , .		2
182	Partial power differential-mode inverter for photovoltaic microinverter applications. , 2021, , .		2
183	Predictive Control of Two-Stage Grid-Connected Photovoltaic Energy System with Constant Switching Frequency. , 2020, , .		2
184	Weighting Factorless Sequential Model Predictive Control Method with Fixed Switching Frequency for Five-Level T-type Photovoltaic Inverters. , 2021, , .		2
185	A Five-Level Common Grounded Boost Inverter Topology with Model Predictive Control For Grid-Tied Photovoltaic Generation. , 2021, , .		2
186	Asymmetric cascaded converter for solar PV applications. , 2014, , .		1
187	Design of a cleaning program for a PV plant based on the analysis of short-term and long-term effects. , 2015, , .		1
188	Power density driven design methodology of power converters for photovoltaic applications. , 2017, , .		1
189	Circulating current control scheme for double-star winding induction motor drive based, ship propulsion system. , 2017, , .		1
190	PV Farm Operation with Independent Reactive Power Compensation Regardless of the Active Power Level Generation. , 2018, , .		1
191	Wavelet-based ESS sizing strategy to enable power peak-shaving in PV systems. , 2019, , .		1
192	Energy Yield Assessment Methodology for Photovoltaic Microinverters. , 2019, , .		1
193	Modulated Model Predictive Torque and Power Control of Gearless PMSG Wind Turbines. , 2020, , .		1
194	Model predictive control of multilevel diode-clamped converters. , 2021, , 97-128.		1
195	Fixed Switching Frequency Model Predictive Controller for Doubly-Grounded Five-Level Photovoltaic Inverter. , 2021, , .		1
196	Topology and Voltage Balance of Series-Connected T-type Inverter for Medium-Voltage Drive Applications. , 2020, , .		1
197	Model Predictive Control-Based Three-Port Common Ground Photovoltaic-Battery Grid-Connected Inverter. , 2021, , .		1
198	Finite Set-Model Predictive Control Method for Triple-Boost Doubly Grounded Three-Phase Photovoltaic Inverter. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
199	Comparative Study of The Phase-Integrated Converter As Universal Power Converter. , 2022, , .		1
200	Evaluation of output connections of interleaved dc-converter stage for photovoltaic ac-module configurations. , 2015, , .		0
201	Operating region of a three-phase quasi-Z-source inverter. , 2017, , .		0
202	Guest Editorial Energy Conversion in Next-generation Electric Ships. IEEE Transactions on Energy Conversion, 2017, 32, 735-736.	3.7	0
203	Microinverter based on series connected submodular photovoltaic power cells. , 2017, , .		0
204	Model Predictive Control of a regenerative Flying Capacitor Converter with reduced switch count. , 2019, , .		0
205	FCS Model Predictive Torque Control with Switching Period Tracking for EV Powertrains. , 2020, , .		0
206	Single-phase Controlled Rectifiers. , 2007, , 179-200.		0