

# Marco Rivera

## List of Publications by Year in descending order

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272  
papers

6,965  
citations

109321

35  
h-index

76900

74  
g-index

274  
all docs

274  
docs citations

274  
times ranked

3371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Predictive Control for Power Converters and Drives: Advances and Trends. IEEE Transactions on Industrial Electronics, 2017, 64, 935-947.	7.9	1,305
2	A Review of Control and Modulation Methods for Matrix Converters. IEEE Transactions on Industrial Electronics, 2012, 59, 58-70.	7.9	510
3	Model Predictive Current Control of Two-Level Four-Leg Inverters Part I: Concept, Algorithm, and Simulation Analysis. IEEE Transactions on Power Electronics, 2013, 28, 3459-3468.	7.9	221
4	Improved Active Power Filter Performance for Renewable Power Generation Systems. IEEE Transactions on Power Electronics, 2014, 29, 687-694.	7.9	210
5	Finite-Set Model-Predictive Control Strategies for a 3L-NPC Inverter Operating With Fixed Switching Frequency. IEEE Transactions on Industrial Electronics, 2018, 65, 3954-3965.	7.9	204
6	Predictive Control of an Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 1847-1853.	7.9	166
7	Multiobjective Switching State Selector for Finite-States Model Predictive Control Based on Fuzzy Decision Making in a Matrix Converter. IEEE Transactions on Industrial Electronics, 2013, 60, 589-599.	7.9	165
8	Model Predictive Approach for a Simple and Effective Load Voltage Control of Four-Leg Inverter With an Output $\Delta$ LC Filter. IEEE Transactions on Industrial Electronics, 2014, 61, 5259-5270.	7.9	165
9	Digital Predictive Current Control of a Three-Phase Four-Leg Inverter. IEEE Transactions on Industrial Electronics, 2013, 60, 4903-4912.	7.9	141
10	A Comparative Assessment of Model Predictive Current Control and Space Vector Modulation in a Direct Matrix Converter. IEEE Transactions on Industrial Electronics, 2013, 60, 578-588.	7.9	132
11	Predictive Current Control With Input Filter Resonance Mitigation for a Direct Matrix Converter. IEEE Transactions on Power Electronics, 2011, 26, 2794-2803.	7.9	130
12	Current Control for an Indirect Matrix Converter With Filter Resonance Mitigation. IEEE Transactions on Industrial Electronics, 2012, 59, 71-79.	7.9	129
13	A Single-Objective Predictive Control Method for a Multivariable Single-Phase Three-Level NPC Converter-Based Active Power Filter. IEEE Transactions on Industrial Electronics, 2015, 62, 4598-4607.	7.9	122
14	Model Predictive Current Control of Two-Level Four-Leg Inverters Part II: Experimental Implementation and Validation. IEEE Transactions on Power Electronics, 2013, 28, 3469-3478.	7.9	108
15	Instantaneous Reactive Power Minimization and Current Control for an Indirect Matrix Converter Under a Distorted AC Supply. IEEE Transactions on Industrial Informatics, 2012, 8, 482-490.	11.3	88
16	Predictive Control of an Induction Machine Fed by a Matrix Converter With Increased Efficiency and Reduced Common-Mode Voltage. IEEE Transactions on Energy Conversion, 2014, 29, 473-485.	5.2	81
17	A Computationally Efficient Lookup Table Based FCS-MPC for PMSM Drives Fed by Matrix Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 7645-7654.	7.9	79
18	Control of a Matrix Converter With Imposed Sinusoidal Source Currents. IEEE Transactions on Industrial Electronics, 2012, 59, 1939-1949.	7.9	78

#	ARTICLE	IF	CITATIONS
19	Cascade-Free Model Predictive Control for Single-Phase Grid-Connected Power Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 285-294.	7.9	66
20	A New Power Conversion System for Megawatt PMSG Wind Turbines Using Four-Level Converters and a Simple Control Scheme Based on Two-Step Model Predictive Strategyâ€”Part I: Modeling and Theoretical Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 3-13.	5.4	63
21	Modulated Predictive Control for Indirect Matrix Converter. IEEE Transactions on Industry Applications, 2017, 53, 4644-4654.	4.9	62
22	A Generalized MPC Framework for the Design and Comparison of VSI Current Controllers. IEEE Transactions on Industrial Electronics, 2016, 63, 5816-5826.	7.9	61
23	Predictive Torque Control of a Multidrive System Fed by a Dual Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2015, 62, 2731-2741.	7.9	60
24	An Experimental Evaluation of Predictive Current Control and Predictive Torque Control for a PMSM Fed by a Matrix Converter. IEEE Transactions on Industrial Electronics, 2017, 64, 8459-8471.	7.9	60
25	Model-Based Predictive Rotor Current Control for Grid Synchronization of a DFIG Driven by an Indirect Matrix Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 715-726.	5.4	59
26	Generalised approach for predictive control with commonâ€”mode voltage mitigation in multilevel diodeâ€”clamped converters. IET Power Electronics, 2015, 8, 1440-1450.	2.1	57
27	Review of predictive control methods to improve the input current of an indirect matrix converter. IET Power Electronics, 2014, 7, 886-894.	2.1	55
28	Imposed Sinusoidal Source and Load Currents for an Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 3427-3435.	7.9	51
29	X-Y converter family: A new breed of buck boost converter for high step-up renewable energy applications. , 2016, , .		48
30	A Low-Complexity Optimal Switching Time-Modulated Model-Predictive Control for PMSM With Three-Level NPC Converter. IEEE Transactions on Transportation Electrification, 2020, 6, 1188-1198.	7.8	46
31	A modulated model predictive control scheme for a two-level voltage source inverter. , 2015, , .		45
32	Review of model predictive control strategies for matrix converters. IET Power Electronics, 2019, 12, 3021-3032.	2.1	45
33	Methods of source current reference generation for predictive control in a direct matrix converter. IET Power Electronics, 2013, 6, 894-901.	2.1	44
34	A New Power Conversion System for Megawatt PMSG Wind Turbines Using Four-Level Converters and a Simple Control Scheme Based on Two-Step Model Predictive Strategyâ€”Part II: Simulation and Experimental Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 14-25.	5.4	44
35	Predictive Control for Microgrid Applications: A Review Study. Energies, 2020, 13, 2454.	3.1	44
36	A Reduced Single-Phase Switched-Diode Cascaded Multilevel Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3556-3569.	5.4	41

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37	A Novel Modulated Model Predictive Control Applied to Six-Phase Induction Motor Drives. IEEE Transactions on Industrial Electronics, 2021, 68, 3672-3682.	7.9	41
38	Model predictive control of three-phase four-leg neutral-point-clamped inverters. , 2010, , .		38
39	Experimental validation of minimum cost functionâ€based model predictive converter control with efficient reference tracking. IET Power Electronics, 2015, 8, 278-287.	2.1	38
40	Model Predictive Torque Ripple Reduction with Weighting Factor Optimization Fed by an Indirect Matrix Converter. Electric Power Components and Systems, 2014, 42, 1059-1069.	1.8	35
41	High performance operation for a four-leg NPC inverter with two-sample-ahead predictive control strategy. Electric Power Systems Research, 2015, 123, 31-39.	3.6	34
42	Predictive torque control with input PF correction applied to an induction machine fed by a matrix converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	32
43	A Simple Current Control Strategy for a Four-Leg Indirect Matrix Converter. IEEE Transactions on Power Electronics, 2015, 30, 2275-2287.	7.9	31
44	A Cost-Effective and Low-Complexity Predictive Control for Matrix Converters Under Unbalanced Grid Voltage Conditions. IEEE Access, 2019, 7, 43895-43905.	4.2	30
45	Finite-State Model Predictive Control With Integral Action Applied to a Single-Phase Z-Source Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 228-239.	5.4	30
46	A Switched-DC Source Sub-Module Multilevel Inverter Topology for Renewable Energy Source Applications. IEEE Access, 2021, 9, 135964-135982.	4.2	29
47	Predictive control of the Indirect Matrix Converter with active damping. , 2009, , .		28
48	Predictive control of source and load currents in a direct matrix converter. , 2010, , .		28
49	Model predictive control of a Doubly Fed Induction Generator with an Indirect Matrix Converter. , 2010, , .		28
50	A new predictive control method for cascaded multilevel converters with intrinsic modulation scheme. , 2013, , .		28
51	Predictive-Fixed Switching Current Control Strategy Applied to Six-Phase Induction Machine. Energies, 2019, 12, 2294.	3.1	28
52	Trends and Challenges in Multi-Level Inverter with Reduced Switches. Electronics (Switzerland), 2021, 10, 368.	3.1	28
53	Finite State Model-based Predictive Current Control with Two-step Horizon for Four-leg NPC Converters. Journal of Power Electronics, 2014, 14, 1178-1188.	1.5	27
54	A simple and effective solution for superior performance in two-level four-leg voltage source inverters: Predictive voltage control. , 2010, , .		25

#	ARTICLE	IF	CITATIONS
55	Predictive control of a direct matrix converter operating under an unbalanced AC source. , 2010, , .		25
56	Open-End Winding Induction Machine Fed by a Dual-Output Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 4118-4128.	7.9	24
57	Predictive current control with reactive power minimization in an indirect matrix converter. , 2010, , .		23
58	Predictive current control of three-phase two-level four-leg inverter. , 2010, , .		23
59	Cost-function based predictive voltage control of two-level four-leg inverters using two step prediction horizon for standalone power systems. , 2012, , .		22
60	Predictive control of a current source rectifier with imposed sinusoidal input currents. , 2013, , .		22
61	Predictive current control with reactive power minimization in six-phase wind energy generator using multi-modular direct matrix converter. , 2016, , .		22
62	A Modulated Model Predictive Control Scheme for the Brushless Doubly Fed Induction Machine. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1681-1691.	5.4	22
63	Current control in matrix converters connected to polluted AC voltage supplies. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	21
64	Microgrid energy management and control: Technical review. , 2016, , .		21
65	Comparative study of predictive control strategies at fixed switching frequency for an asymmetrical six-phase induction motor drive. , 2017, , .		21
66	Current Control of the Coupled-Inductor Buck-Boost DC-DC Switching Converter Using a Model Predictive Control Approach. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3348-3360.	5.4	20
67	Predictive control with active damping in a Direct Matrix Converter. , 2009, , .		19
68	Model based predictive current control for a three-phase cascade H-bridge multilevel STATCOM operating at fixed switching frequency. , 2017, , .		19
69	A Three-Phase Modular Isolated Matrix Converter. IEEE Transactions on Power Electronics, 2019, 34, 11760-11773.	7.9	19
70	Imposed Weighting Factor Optimization Method for Torque Ripple Reduction of IM Fed by Indirect Matrix Converter with Predictive Control Algorithm. Journal of Electrical Engineering and Technology, 2015, 10, 227-242.	2.0	19
71	Predictive control for current source rectifiers operating at low switching frequency. , 2009, , .		18
72	A new predictive control scheme for a VSI with reduced common mode voltage operating at fixed switching frequency. , 2015, , .		18

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73	Enhanced model predictive voltage control of four-leg inverters with switching frequency reduction for standalone power systems. , 2012, , .		17
74	A FCS-MPC of an induction motor fed by indirect matrix converter with unity power factor control. , 2013, , .		17
75	Predictive power control strategy for a grid-connected 2L-VSI with fixed switching frequency. , 2016, , .		17
76	A Leakage-Inductance-Tolerant Commutation Strategy for Isolated AC/AC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 467-479.	5.4	17
77	Predictive torque and flux control of an induction machine fed by an indirect matrix converter with reactive power minimization. , 2010, , .		16
78	Reduction of common-mode voltage in an indirect matrix converter with imposed sinusoidal input/output waveforms. , 2012, , .		16
79	Geometrical approach for a predictive current controller applied to a three-phase two-level four-leg inverter. , 2012, , .		16
80	Predictive control of a current source converter operating with low switching frequency. , 2012, , .		16
81	A review on multilevel inverter with reduced switch count. , 2016, , .		16
82	Predictive Control in Power Converters and Electrical Drivesâ€”Part I. IEEE Transactions on Industrial Electronics, 2016, 63, 3834-3836.	7.9	16
83	Overview of wind energy conversion systems development, technologies and power electronics research trends. , 2016, , .		15
84	Predictive torque and flux control of an induction machine fed by an indirect matrix converter. , 2010, , .		14
85	Predictive torque control of a multi-drive system fed by a six-leg indirect matrix converter. , 2013, , .		14
86	Multi-modular matrix converter topology applied to distributed generation systems. , 2016, , .		14
87	New fundamental multilevel inverter with reduced number of switching elements. , 2017, , .		14
88	A Review of Control Techniques in Photovoltaic Systems. Sustainability, 2020, 12, 10598.	3.2	14
89	Experimental Stability Study of Modulated Model Predictive Current Controllers Applied to Six-Phase Induction Motor Drives. IEEE Transactions on Power Electronics, 2021, 36, 13275-13284.	7.9	14
90	Comparison of Model Based Predictive Control and Fuzzy Logic Control of a DFIG with an Indirect Matrix Converter. , 2012, , .		13

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91	Predictive control of four-leg power converters. , 2015, , .		13
92	Predictive current control for a VSI with reduced common mode voltage operating at fixed switching frequency. , 2015, , .		13
93	Finite states modulated model predictive control for active power filtering systems. , 2015, , .		13
94	Sliding mode control of electric drives/review. , 2016, , .		13
95	New sub-module inverter for cascaded multilevel inverter with reduced number of switch counts. , 2017, , .		13
96	A Cascade PI-SMC Method for Matrix Converter-Fed BDFIM Drives. IEEE Transactions on Transportation Electrification, 2021, 7, 2541-2550.	7.8	13
97	Predictive load voltage and capacitor balancing control for a four-leg NPC inverter. , 2012, , .		12
98	Predictive Current Control with fixed switching frequency for an NPC converter. , 2015, , .		12
99	The Analysis Performance of a Grid-Connected 8.2 kWp Photovoltaic System in the Patagonia Region. Sustainability, 2020, 12, 9227.	3.2	12
100	Rotor current fuzzy control of a DFIG with an Indirect Matrix Converter. , 2011, , .		11
101	Cascaded multilevel inverter based on new sub-module inverter with reduced number of switching devices. , 2017, , .		11
102	High Performance Modified Model Predictive Control of a Voltage Source Inverter. Electric Power Components and Systems, 2018, 46, 600-613.	1.8	11
103	Selective Harmonic Elimination In Cascaded H-Bridge Multilevel Inverter Using Genetic Algorithm Approach. , 2019, , .		11
104	Recent Advances of Predictive Control in Power Converters. , 2020, , .		11
105	A simple predictive voltage control method with unity displacement power factor for four-leg indirect matrix converters. , 2012, , .		10
106	Modulated model predictive control (M&sup>2&sup>PC) with fixed switching frequency for an NPC converter. , 2015, , .		10
107	Predictive control in matrix converters â€” Part I: Principles, topologies and applications. , 2016, , .		10
108	Comparison of vegetation indices acquired from RGB and Multispectral sensors placed on UAV. , 2018, , .		10

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109	Efficiency analysis of a modular H-bridge based on SiC MOSFET. International Journal of Electronics Letters, 2019, 7, 59-67.	1.2	10
110	Improved Predictive Control in Multi-Modular Matrix Converter for Six-Phase Generation Systems. Energies, 2020, 13, 2660.	3.1	10
111	Predictive control of an indirect matrix converter operating at fixed switching frequency and unbalanced AC-supply. , 2015, , .		9
112	Predictive control at fixed switching frequency for a dual three-phase induction machine with Kalman filter-based rotor estimator. , 2016, , .		9
113	Predictive control in matrix converters â€” Part II: Control strategies, weaknesses and trends. , 2016, , .		9
114	Predictive control in power converters and electrical drivesâ€”part ii [guest editorial]. IEEE Transactions on Industrial Electronics, 2016, 63, 4472-4474.	7.9	9
115	A Generalised Multifrequency PWM Strategy for Dual Three-Phase Voltage Source Converters. Energies, 2019, 12, 1398.	3.1	9
116	Modulated Model Predictive Current Control for PMSM Operating With Three-level NPC Inverter. , 2019, , .		9
117	Low-Cost Implementation of Passivity-Based Control and Estimation of Load Torque for a Luo Converter with Dynamic Load. Electronics (Switzerland), 2020, 9, 1914.	3.1	9
118	Modulated Model Predictive Current Control of a Four-Leg Inverter. , 2020, , .		9
119	Implementation of Exact Linearization Technique for Modeling and Control of DC/DC Converters in Rural PV Microgrid Application. IEEE Access, 2022, 10, 56925-56936.	4.2	9
120	Improved active power filter performance for distribution systems with renewable generation. , 2012, , .		8
121	Common mode voltage and zero sequence current reduction in an open-end load fed by a two output indirect matrix converter. , 2013, , .		8
122	Predictive control with imposed sinusoidal source and load currents of an indirect matrix converter operating at fixed switching frequency and without weighting factors. , 2015, , .		8
123	Model based predictive control with switcher of redundant vectors for a cascade H-bridge multilevel STATCOM. , 2016, , .		8
124	New cascaded multilevel converters based on switched-diode six-level configuration. , 2017, , .		8
125	An indirect model predictive current control for a direct matrix converter with instantaneous reactive power minimization. , 2017, , .		8
126	A Modular AC-DC Power Converter with Zero Voltage Transition for Electric Vehicles. Energies, 2017, 10, 1386.	3.1	8



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127	Design and Implementation of a Modular Bidirectional Switch Using SiC-MOSFET for Power Converter Applications. Active and Passive Electronic Components, 2018, 2018, 1-9.	0.3	8
128	Predictive torque control of brushless doubly fed induction generator fed by a matrix converter. , 2018, , .		8
129	Sensitivity Analysis of Exact Tracking Error Dynamics Passive Output Control for a Flat/Partially Flat Converter Systems. Electronics (Switzerland), 2020, 9, 1942.	3.1	8
130	Model-Based Predictive Rotor Current Control Strategy for Indirect Power Control of a DFIM Driven by an Indirect Matrix Converter. IEEE Transactions on Energy Conversion, 2021, 36, 1510-1516.	5.2	8
131	Review of Control Techniques in Microinverters. Sensors, 2021, 21, 6486.	3.8	8
132	Switching strategies for an indirect matrix converter fed open-end load. , 2013, , .		7
133	Predictive control with imposed sinusoidal source and load currents of an indirect matrix converter operating at fixed switching frequency. , 2015, , .		7
134	Indirect power control of a DFIG using model-based predictive rotor current control with an indirect matrix converter. , 2015, , .		7
135	New Asymmetric Cascaded Multi-level Converter with Reduced Components. , 2018, , .		7
136	Computationally Efficient Model Predictive Control of a Four-Leg Inverter for Common Mode Voltage Elimination. , 2018, , .		7
137	Performance Evaluation of Cascaded H-bridge Multilevel Grid-Connected Converter with Model Predictive Control Technique. , 2019, , .		7
138	Speed Control of a Six-Phase IM Fed by a Multi-Modular Matrix Converter Using an Inner PTC With Reduced Computational Burden. IEEE Access, 2021, 9, 160035-160047.	4.2	7
139	Predictive current control of a four-leg indirect matrix converter with imposed source currents and common-mode voltage reduction. , 2013, , .		6
140	Modulated model predictive rotor current control ( $M^{2/2}PC$ ) of a DFIG driven by an indirect matrix converter with fixed switching frequency. , 2016, , .		6
141	Modulated model predictive current control for H-bridge two-level single phase active power filters STATCOM. , 2017, , .		6
142	Speed sensorless predictive current control of a five-phase induction machine. , 2017, , .		6
143	Predictive current control with Kalman filter observer for a five-phase induction machine operating at fixed switching frequency. , 2017, , .		6
144	Predictive Control Strategies Operating at Fixed Switching Frequency for Input Filter Resonance Mitigation in an Indirect Matrix Converter. IEEE Latin America Transactions, 2018, 16, 2370-2376.	1.6	6

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145	Using clustering algorithms to segment UAV-based RGB images. , 2018, , .		6
146	Experimental evaluation of predictive voltage control for a fourâ€leg twoâ€stage matrix converter. IET Power Electronics, 2019, 12, 3077-3084.	2.1	6
147	Wind Energy Development and Technology in the World: A Brief Overview. , 2019, , .		6
148	Modulated Predictive Voltage Control of a Four-Leg Inverter with Fixed Switching Frequency. , 2020, , .		6
149	Comparative Study of Classical and MPC Control for Single-Phase MMC Based on V-HIL Simulations. Energies, 2021, 14, 3230.	3.1	6
150	Control of an induction machine fed by an indirect matrix converter with unity displacement power factor operating with an unbalanced AC-supply. , 2012, , .		5
151	A novel design and automation of a biaxial solar tracking system for PV power applications. , 2013, , .		5
152	Predictive current control of a four-wire, active power filter for an unbalanced utility load of metro railway. , 2015, , .		5
153	Predictive control of an indirect matrix converter operating at fixed switching frequency. , 2015, , .		5
154	New configurations of power converters for grid interconnection systems. , 2016, , .		5
155	Predictive Control in Power Converters and Electrical Drives - Part III. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	5
156	Modeling and analysis of dual three-phase self-excited induction generator for wind energy conversion systems. , 2017, , .		5
157	Modulated model predictive current control of an indirect matrix converter with active damping. , 2017, , .		5
158	Predictive Current Control Strategy for a Direct Matrix Converter with Modulated Switching Pattern. , 2018, , .		5
159	Three-Phase Rectifiers with Current Compensation Schemes - Part I: Passive Circuits. , 2018, , .		5
160	Active and Reactive Power Control based on Predictive Voltage Control in a Six-Phase Generation System using Modular Matrix Converters. , 2020, , .		5
161	Predictive Torque Control with Fixed Switching Frequency for Induction Motor Drives. , 2020, , .		5
162	Predictive control of an indirect matrix converter operating at fixed switching frequency and without weighting factors. , 2015, , .		4

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163	Finite states-modulated model predictive control of a Quasi-z-Source Inverter with LCL filter. , 2017, , .		4
164	Modulated model predictive control of assymmetric source dual inverter system for open end winding induction motor drive. , 2017, , .		4
165	Predictive Control in Power Converter Applications: Challenge and Trends. , 2018, , .		4
166	Predictive Control for a Flying Capacitor Multilevel Inverter. , 2018, , .		4
167	An Integral Design of Ground Power Unit Supply for Aircraft Applications. , 2018, , .		4
168	Third Order Sliding Mode Control of Buck Converter Fed Permanent Magnet DC Motor. , 2018, , .		4
169	Open-Circuit Fault Diagnosis and Fault- Tolerant Model Predictive Control of SubMultilevel Inverter. , 2018, , .		4
170	New Reduced Switched Multilevel Inverter for Three-Phase Grid-Connected PV System, Performance Evaluation. , 2019, , .		4
171	Digital count of Sunflower plants at emergence from very low altitude using UAV images. , 2019, , .		4
172	Improved Speed Control of BLDC Motor using Luo converter By Sliding Mode Control. , 2019, , .		4
173	Realization of 485 Level Inverter Using Tri-State Architecture for Renewable Energy Systems. Energies, 2020, 13, 6627.	3.1	4
174	Predictive Control with Current-Based Maximum Power Point-Tracking for On-Grid Photovoltaic Applications. Sustainability, 2021, 13, 3037.	3.2	4
175	Nonlinear control strategy for current source cascaded H-bridge inverters " An approach considering single-phase DQ components. , 2015, , .		3
176	A review of power converter topologies with medium/high frequency transformers for grid interconnection systems. , 2016, , .		3
177	Cost effective control of a partially flat boost converter fed DC motor. , 2016, , .		3
178	Recommendations for writing research papers. , 2016, , .		3
179	Modulation strategies for an open-end winding induction machine fed by a two-output indirect matrix converter. Mathematics and Computers in Simulation, 2016, 130, 95-111.	4.4	3
180	Indirect model predictive control strategies with input filter resonance mitigation for a matrix converter operating at fixed switching frequency. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
181	7-Level asymmetric multilevel current source inverter with predictive control. , 2017, , .		3
182	Predictive control strategies operating at fixed switching frequency for input filter resonance mitigation in an indirect matrix converter. , 2017, , .		3
183	Indirect model predictive control with imposed sinusoidal source currents for a Direct Matrix Converter Working at fixed switching frequency. , 2017, , .		3
184	Fixed frequency model predictive control with active damping for an indirect matrix converter. , 2017, , .		3
185	Indirect model predictive control strategies for a direct matrix converter with mitigation of input filter resonances. , 2017, , .		3
186	Predictive Control for MPPT in a Single-Stage Photovoltaic System. , 2018, , .		3
187	Back-to-Back Modified T-Type Half-Bridge Module for Cascaded Multi-level Inverters with Decreased Number of Components. , 2018, , .		3
188	Recent Predictive Control Strategies Applied to Flying Capacitor Multilevel Inverters. , 2018, , .		3
189	Recent Challenge and Trends of Predictive Control in Power Electronics Application. , 2018, , .		3
190	An Asymmetric Modular Multilevel Converter of 27 Levels. , 2018, , .		3
191	Implementation of Twenty seven level and Fifty one level Inverter using constant voltage sources. , 2019, , .		3
192	Control Techniques for a Single-Phase Matrix Converter. Energies, 2020, 13, 6337.	3.1	3
193	Design of Higher Order Converter for Piezo Electric Energy Harvesting Applications. , 2021, , .		3
194	Predictive control of a single phase current source-fed multilevel converter. , 2016, , .		2
195	Predictive Control in Power Converters and Electrical Drivesâ€™Part IV. IEEE Transactions on Industrial Electronics, 2016, 63, 5804-5806.	7.9	2
196	Predictive control for an asymmetric multilevel converter for PV energy injection. , 2017, , .		2
197	Model based predictive control with a fixed switching frequency applied to a single-phase cascade H-bridge multilevel STATCOM. , 2017, , .		2
198	Indirect model predictive current control techniques for a direct matrix converter. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
199	Model predictive control for a 27-level asymmetric multilevel STATic COMPensator. , 2017, , .		2
200	DC transformer based on the versatile DC-DC noninverting buck-boost converter for fuel cell emulation. , 2017, , .		2
201	Population-based metaheuristics in microgrids applications. , 2017, , .		2
202	Three-Phase Rectifiers With Current Compensation Schemes - Part II: Active and Hybrid Configurations. , 2018, , .		2
203	A New Topology of AC-AC Ground Power Unit for Aeronautical Applications. , 2018, , .		2
204	Trends and Challenges of Predictive Control in Power Electronics. , 2018, , .		2
205	Design, Assembly and Startup of a Single-Phase Multi-Modular Matrix Converter for Grid Interconnection. , 2018, , .		2
206	Predictive Current Control Operating at Fixed Swwitching Frequency in a Gridâ€‘Connected NPC Converter. , 2018, , .		2
207	Predictive Control of a 27-level Asymmetric Multilevel Current Source Inverter. , 2018, , .		2
208	Modelling Communication Network for Intelligent Applications in Microgrids - Part II. , 2018, , .		2
209	Model Predictive Control for the New Reduced Multi-level Grid-Connected Converter. , 2019, , .		2
210	Control of Energy Storage and Photovoltaic Systems using Model Predictive Control. , 2019, , .		2
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