Jose R Rodriguez

List of Publications by Year
in descending order

650	59,509	3531	1158
papers	citations	90 h-index	229 g-index

681	681	681	11712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural Predictor-Based Dynamic Surface Predictive Control for Power Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 1057-1065.	7.9	13
2	Integration of Reference Current Slope Based Model-Free Predictive Control in Modulated PMSM Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1407-1421.	5.4	11
3	Event-Triggered ESO-Based Robust MPC for Power Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 2144-2152.	7.9	11
4	Computationally Efficient Predictive Current Control With Finite Set Extension Using Derivative Projection for IM Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1345-1357.	5.4	3
5	Modulated Model Predictive Control of Modular Multilevel Converters Operating in a Wide Frequency Range. IEEE Transactions on Industrial Electronics, 2023, 70, 4380-4391.	7.9	4
6	Event-Triggered Model Predictive Control for the Inverter of a Grid-Connected Microgrid With a Battery-Supercapacitor HESS. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 5540-5552.	5.4	1
7	Feasibility Study of Model Predictive Control for Grid-Connected Twisted Buckâ€“Boost Inverter. IEEE Transactions on Industrial Electronics, 2022, 69, 2488-2499.	7.9	13
8	Pareto Optimal Weighting Factor Design of Predictive Current Controller of a Six-Phase Induction Machine Based on Particle Swarm Optimization Algorithm. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 207-219.	5.4	26
9	Integral Sliding Mode Observer-Based Ultralocal Model for Finite-Set Model Predictive Current Control of Induction Motor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2912-2922.	5.4	26
10	An Efficient Model Predictive Control Using Virtual Voltage Vectors for Three-Phase Three-Level Converters With Constant Switching Frequency. IEEE Transactions on Industrial Electronics, 2022, 69, 3998-4009.	7.9	13
11	Robust Fuzzy-Fractional-Order Nonsingular Terminal Sliding-Mode Control of LCL-Type Grid-Connected Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 5854-5866.	7.9	27
12	Model Predictive Control Using Artificial Neural Network for Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 3689-3699.	7.9	71
13	Iterative Gradient Descent-Based Finite Control Set Predictive Current Control With Least-Squares Optimized Duty Cycles. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1422-1433.	5.4	3
14	Active Voltage Balancing Control of a Seven-Level Hybrid Multilevel Converter Topology. IEEE Transactions on Industrial Electronics, 2022, 69, 74-89.	7.9	10
15	Voltage Regulation Enhancement of DC-MG Based on Power Accumulator Battery Test System: MPC-Controlled Virtual Inertia Approach. IEEE Transactions on Smart Grid, 2022, 13, 71-81.	9.0	14
16	Gradient Descent Optimization Based Parameter Identification for FCS-MPC Control of LCL-Type Grid Connected Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 2631-2643.	7.9	32
17	A Low-Complexity Gradient Descent Solution With Backtracking Iteration Approach for Finite Control Set Predictive Current Control. IEEE Transactions on Industrial Electronics, 2022, 69, 4522-4533.	7.9	6
18	Simple twoâ€stage weighting factor design for finite control set model predictive control of modular multilevel converters. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, e2938.	1.9	3

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19	Advances and opportunities in the model predictive control of microgrids: Part IIâ€“Secondary and tertiary layers. International Journal of Electrical Power and Energy Systems, 2022, 134, 107339.	5.5	22
20	Advances and opportunities in the model predictive control of microgrids: Part Iâ€“primary layer. International Journal of Electrical Power and Energy Systems, 2022, 134, 107411.	5.5	28
21	Low Complexity Finite-Control-Set MPC Based on Discrete Space Vector Modulation for T-Type Three-Phase Three-Level Converters. IEEE Transactions on Power Electronics, 2022, 37, 392-403.	7.9	30
22	Encoderless Parallel Predictive Torque Control for Induction Machine Using a Robust Model Reference Adaptive System. IEEE Transactions on Energy Conversion, 2022, 37, 232-242.	5.2	16
23	Displacement Current-Based Energy Harvesters in Power Grids: Topologies and Performance Evaluation. IEEE Industrial Electronics Magazine, 2022, 16, 52-66.	2.6	8
24	Sequential Model Predictive Fault-Tolerance Control for T-Type Three-Level Grid-Connected Converters With LCL Filters. IEEE Transactions on Industrial Electronics, 2022, 69, 9039-9051.	7.9	11
25	Continuous Control Set Predictive Speed Control of SPMSM Drives With Short Prediction Horizon. IEEE Transactions on Power Electronics, 2022, 37, 10166-10177.	7.9	13
26	Gradient Descent-Based Objective Function Reformulation for Finite Control Set Model Predictive Current Control With Extended Horizon. IEEE Transactions on Industrial Electronics, 2022, 69, 8667-8678.	7.9	3
27	A 15-Level Switched-Capacitor Multilevel Inverter Structure With Self-Balancing Capacitor. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1477-1481.	3.0	17
28	Space-Vector-Optimized Predictive Control for Dual Three-Phase PMSM With Quick Current Response. IEEE Transactions on Power Electronics, 2022, 37, 4453-4462.	7.9	28
29	Latest Advances of Model Predictive Control in Electrical Drivesâ€”Part I: Basic Concepts and Advanced Strategies. IEEE Transactions on Power Electronics, 2022, 37, 3927-3942.	7.9	166
30	Noninteger Lexicographic-Optimization-Based Sequential Model-Predictive Fault-Tolerant Control of T-Type Shunt Active Power Filter. IEEE Transactions on Power Electronics, 2022, 37, 7169-7184.	7.9	6
31	Robust Predictive Control of Grid-Tied Modular Multilevel Converters for HVDC Systems With Virtual-Flux Based Online Inductance Estimation. IEEE Transactions on Power Delivery, 2022, 37, 3189-3199.	4.3	3
32	Finite-Set Quasi-Sliding Mode Predictive Control of $ LC$-Filtered Voltage Source Inverters. IEEE Transactions on Industrial Electronics, 2022, 69, 11968-11978.	7.9	12
33	Latest Advances of Model Predictive Control in Electrical Drivesâ€”Part II: Applications and Benchmarking With Classical Control Methods. IEEE Transactions on Power Electronics, 2022, 37, 5047-5061.	7.9	112
34	Design of Model Predictive Control Weighting Factors for PMSM Using Gaussian Distribution-Based Particle Swarm Optimization. IEEE Transactions on Industrial Electronics, 2022, 69, 10935-10946.	7.9	17
35	Mothâ€“Flame-Optimization-Based Parameter Estimation for FCS-MPC-Controlled Grid-Connected Converter With LCL Filter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4102-4114.	5.4	6
36	An Improved Implicit Model Predictive Current Control With Continuous Control Set for PMSM Drives. IEEE Transactions on Transportation Electrification, 2022, 8, 2444-2455.	7.8	24

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37	An Asymmetric Switched-Capacitor Multicell Inverter With Low Number of DC Source and Voltage Stress for Renewable Energy Sources. IEEE Access, 2022, 10, 30513-30525.	4.2	13
38	Fast Solver for Implicit Continuous Set Model Predictive Control of Electric Drives. IEEE Access, 2022, 10, 17430-17440.	4.2	8
39	Analytical Calculation of Harmonics and Harmonic Losses in Five-Phase Carrier-Based PWM Voltage Source Inverters. IEEE Access, 2022, 10, 37330-37344.	4.2	2
40	A Generalized Simplified Virtual Vector PWM to Balance the Capacitor Voltages of Multilevel Diode-Clamped Converters. IEEE Transactions on Power Electronics, 2022, 37, 9377-9391.	7.9	13
41	Model-Free Predictive Control of Grid-Forming Inverters With LCL Filters. IEEE Transactions on Power Electronics, 2022, 37, 9200-9211.	7.9	25
42	A Fuzzy Approximation for FCS-MPC in Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 9153-9163.	7.9	23
43	Power Losses Reduction of T-Type Grid-Connected Converters Based on Tolerant Sequential Model Predictive Control. IEEE Transactions on Power Electronics, 2022, 37, 9089-9103.	7.9	5
44	Multistep Model Predictive Control for Electrical Drivesâ€”A Fast Quadratic Programming Solution. Symmetry, 2022, 14, 626.	2.2	2
45	Robust predictive current control of PWM rectifiers with LCL filters under unbalanced and distorted network conditions. IET Power Electronics, 2022, 15, 226-236.	2.1	9
46	Low-Cost Multistep FCS-MPCC for PMSM Drives Using a DC Link Single Current Sensor. IEEE Transactions on Power Electronics, 2022, 37, 11034-11044.	7.9	9
47	Maximum Power Point Tracking-Based Model Predictive Control for Photovoltaic Systems: Investigation and New Perspective. Sensors, 2022, 22, 3069.	3.8	6
48	Model-Based Maximum Power Point Tracking Algorithm With Constant Power Generation Capability and Fast DC-Link Dynamics for Two-Stage PV Systems. IEEE Access, 2022, 10, 48551-48568.	4.2	12
49	A Nine-Level T-Type Converter for Grid-Connected Distributed Generation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5904-5920.	5.4	7
50	Three-Phase Model-Based Predictive Control Methods With Reduced Calculation Burden for Modular Multilevel Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7037-7048.	5.4	4
51	Enhancement of Voltage Regulation Capability for DC-Microgrid Composed by Battery Test System: A Fractional-Order Virtual Inertia Method. IEEE Transactions on Power Electronics, 2022, 37, 12538-12551.	7.9	7
52	Robust Deadbeat Predictive control for SynRel Motor Based on Hyperbolic Tangent Observer. , 2022, , .		4
53	Virtual Voltage Vector-Based Deadbeat Model Predictive Torque Control for Induction Motor Drives with a Solution to Reduce Computation Burden. , 2022, , .		0
54	Predictive Control of 4-level Flying Capacitor Inverter for Electric Car Applications. , 2022, , .		1

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55	Model-Free Predictive Control Based on the Integral Sliding Mode Observer for Induction Motor. , 2022, , .		2
56	Standardized Evenhanded Vector Selection Technique Used in Model Predictive Torque and Flux Controller. , 2022, , .		0
57	Data-Driven Neural Predictors-Based Robust MPC for Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 11650-11661.	7.9	19
58	Energy Optimization of Air Handling Units Using Constrained Predictive Controllers Based on Dynamic Neural Networks. IEEE Access, 2022, 10, 56578-56590.	4.2	2
59	Fault-Tolerant Sequential MPC for Vertical Switch Open-Circuit Fault and ZSCC Suppression for Parallel T-Type Converters. IEEE Transactions on Power Electronics, 2022, 37, 11787-11802.	7.9	3
60	Stability Enhancement of Battery-Testing DC Microgrid: An ADRC-Based Virtual Inertia Control Approach. IEEE Transactions on Smart Grid, 2022, 13, 4256-4268.	9.0	11
61	Efficient switchedâ€capacitor multilevel inverters for highâ€power solar photovoltaic systems. IET Renewable Power Generation, 2022, 16, 2248-2266.	3.1	3
62	Reduced Multisource Switched-Capacitor Multilevel Inverter Topologies. IEEE Transactions on Power Electronics, 2022, 37, 14647-14666.	7.9	14
63	Dual-Boost Inverter for PV Microinverter Applicationâ€"An Assessment of Control Strategies. Applied Sciences (Switzerland), 2022, 12, 5952.	2.5	5
64	Online Weighting Factor Optimization by Simplified Simulated Annealing for Finite Set Predictive Control. IEEE Transactions on Industrial Informatics, 2021, 17, 31-40.	11.3	46
65	Novel Three-Phase Multilevel Inverter With Reduced Components for Low- and High-Voltage Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 5978-5989.	7.9	16
66	Modified Modulated Model Predictive Control Strategy for a Grid-Connected Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 575-585.	7.9	35
67	MTPA-Based Finite-Set Model Predictive Control Without Weighting Factors for Linear Induction Machine. IEEE Transactions on Industrial Electronics, 2021, 68, 2034-2047.	7.9	35
68	Model Predictive Control of LC-Filtered Voltage Source Inverters With Optimal Switching Sequence. IEEE Transactions on Power Electronics, 2021, 36, 3422-3436.	7.9	56
69	Computationally Efficient Finite-Position-Set-Phase-Locked Loop for Sensorless Control of PMSGs in Wind Turbine Applications. IEEE Transactions on Power Electronics, 2021, 36, 3007-3016.	7.9	28
70	Voltage Source Multilevel Inverters With Reduced Device Count: Topological Review and Novel Comparative Factors. IEEE Transactions on Power Electronics, 2021, 36, 2720-2747.	7.9	154
71	MPC-Controlled Virtual Synchronous Generator to Enhance Frequency and Voltage Dynamic Performance in Islanded Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 953-964.	9.0	67
72	Model predictive control of microgrids â€" An overview. Renewable and Sustainable Energy Reviews, 2021, 136, 110422.	16.4	182

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73	Overmodulation Methods for Modulated Model Predictive Control and Space Vector Modulation. IEEE Transactions on Power Electronics, 2021, 36, 4549-4559.	7.9	27
74	Event-Triggered Model Predictive Control for Power Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 715-720.	7.9	49
75	MPPT Algorithm Based on Artificial Bee Colony for PV System. IEEE Access, 2021, 9, 43121-43133.	4.2	76
76	Reduced Switch Multilevel Inverter Topologies for Renewable Energy Sources. IEEE Access, 2021, 9, 120580-120595.	4.2	25
77	Sensorless Simplified Finite Control Set Model Predictive Control of SynRM Using Finite Position Set Algorithm. IEEE Access, 2021, 9, 47184-47193.	4.2	16
78	Improved Model Predictive Current Control for Three-Phase Three-Level Converters With Neutral-Point Voltage Ripple and Common Mode Voltage Reduction. IEEE Transactions on Energy Conversion, 2021, 36, 3053-3062.	5.2	16
79	Simplified Predictive Stator Current Phase Angle Control of Induction Motor With a Reference Manipulation Technique. IEEE Access, 2021, 9, 54173-54183.	4.2	4
80	Model-Free Predictive Control of Motor Drives and Power Converters: A Review. IEEE Access, 2021, 9, 105733-105747.	4.2	48
81	An Optimal Reduced-Control-Set Model Predictive Flux Control For 3L-NPC Fed Induction Motor Drive. IEEE Transactions on Energy Conversion, 2021, 36, 2967-2976.	5.2	11
82	Model predictive control of multilevel diode-clamped converters. , 2021, , 97-128.		1
83	Field Enhancing Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine. IEEE Transactions on Energy Conversion, 2021, 36, 2924-2933.	5.2	10
84	Finite-Set Model Predictive Current Control of Induction Motors by Direct Use of Total Disturbance. IEEE Access, 2021, 9, 107779-107790.	4.2	12
85	DC Voltage Drop Compensation in Automotive Drives by Finite Set Model Predictive Control. , 2021, , .		0
86	Virtual Voltage Vector Based Predictive Control of High Performance Modified Quasi-Z-Source Inverter with the Aim of Constant Common-Mode Voltage. , 2021, , .		0
87	Computation Reduction for Balancing the Voltages of the DC-link Capacitors in 3-level Inverter by Using Redundant Switching States. , 2021, , .		1
88	Performance Improvement of Model Predictive Control for Modular Multilevel Converters by Auto-regulating the Weighting Factor Value. , 2021, , .		0
89	Model-Free Finite Set Predictive Voltage Control of Induction Motor. , 2021, , .		3
90	Hardware-in-the-Loop to Test an MPPT Technique of Solar Photovoltaic System: A Support Vector Machine Approach. Sustainability, 2021, 13, 3000.	3.2	8

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91	Model-Free Neural Network-Based Predictive Control for Robust Operation of Power Converters. Energies, 2021, 14, 2325.	3.1	16
92	Predictive Control for Multilevel Inverters with Reduced Number of Commutations. , 2021, , .		1
93	A Unified Distributed Cooperative Control of DC Microgrids Using Consensus Protocol. IEEE Transactions on Smart Grid, 2021, 12, 1880-1892.	9.0	28
94	Sliding-Mode Disturbance Observer based Parallel Predictive Torque Controller for Induction Machine Drives. , 2021, , .		0
95	A Review of Predictive Control Techniques for Switched Reluctance Machine Drives. Part I: Fundamentals and Current Control. IEEE Transactions on Energy Conversion, 2021, 36, 1313-1322.	5.2	33
96	Discrete Space Vector Modulation Based Model Predictive Flux Control With Reduced Switching Frequency for IM Drive. IEEE Transactions on Energy Conversion, 2021, 36, 1357-1367.	5.2	13
97	A Look-up Table-based Model Predictive Torque Control of Switched Reluctance Motor Drives with Improved Prediction. , 2021, , .		2
98	Guest Editorial Model Predictive Control in Energy Conversion Systems. IEEE Transactions on Energy Conversion, 2021, 36, 1311-1312.	5.2	0
99	Model Predictive Control of a Four-Level T-NNPC Inverter without Weighting Factors. , 2021, , .		1
100	A Review of Predictive Control Techniques for Switched Reluctance Machine Drives. Part II: Torque Control, Assessment and Challenges. IEEE Transactions on Energy Conversion, 2021, 36, 1323-1335.	5.2	17
101	Enhancement of Frequency Regulation in AC Microgrid: A Fuzzy-MPC Controlled Virtual Synchronous Generator. IEEE Transactions on Smart Grid, 2021, 12, 3138-3149.	9.0	40
102	A Full State-Variable Direct Predictive Control for Islanded Microgrids With Parallel Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4615-4628.	5.4	14
103	Low Sensitivity Predictive Control for Doubly-Fed Induction Generators Based Wind Turbine Applications. Sustainability, 2021, 13, 9150.	3.2	4
104	A Robust Torque and Flux Prediction Model by a Modified Disturbance Rejection Method for Finite-Set Model-Predictive Control of Induction Motor. IEEE Transactions on Power Electronics, 2021, 36, 9322-9333.	7.9	37
105	Optimal Cost Function Parameter Design in Predictive Torque Control (PTC) Using Artificial Neural Networks (ANN). IEEE Transactions on Industrial Electronics, 2021, 68, 7309-7319.	7.9	61
106	A Novel Torque Boundary-Based Model Predictive Torque Control for PMSM Without Weighting Factor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4395-4406.	5.4	15
107	A Centralized Control Strategy for Grid-Connected High-Speed Switched Reluctance Motor Drive System With Power Factor Correction. IEEE Transactions on Energy Conversion, 2021, 36, 2163-2172.	5.2	7
108	A Fast Converging Hybrid MPPT Algorithm Based on ABC and P&O Techniques for a Partially Shaded PV System. Mathematics, 2021, 9, 2228.	2.2	11

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109	Model Predictive Current Control With Low Complexity for Single-Phase Four-Level Hybrid-Clamped Converters. IEEE Transactions on Transportation Electrification, 2021, 7, 983-999.	7.8	12
110	A Drive Topology for High-Speed SRM With Bidirectional Energy Flow and Fast Demagnetization Voltage. IEEE Transactions on Industrial Electronics, 2021, 68, 9242-9253.	7.9	11
111	Partial Series Resonance Pulse Commutated Current-Fed Three-Phase Current Sharing DCâ€“DC Converter: ZCS Analysis, Design, and Experimental Results. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 442-452.	3.9	4
112	An Improved Adaptive Selected Harmonic Elimination Algorithm for Current Measurement Error Correction of PMSMs. IEEE Transactions on Power Electronics, 2021, 36, 13128-13138.	7.9	17
113	Asymmetrical 17-Level Inverter Topology With Reduced Total Standing Voltage and Device Count. IEEE Access, 2021, 9, 69710-69723.	4.2	35
114	Vision, Challenges, and Future Trends of Model Predictive Control in Switched Reluctance Motor Drives. IEEE Access, 2021, 9, 69926-69937.	4.2	27
115	FCS-MPC Based Pre-Filtering Stage for Computational Efficiency in a Flying Capacitor Converter. IEEE Access, 2021, 9, 111039-111049.	4.2	14
116	Model predictive control of power converters, motor drives, and microgrids. , 2021, , 101-124.		2
117	Finite Control Set Model Predictive Control Without Weighting Factors for Common Grounded Five-Level PV Inverter. , 2021, , .		5
118	A Novel Boost-Based Quasi Resonant DC-DC Converter with Low Component Count for Stand-Alone PV Applications. , 2021, , .		2
119	Model-Free Predictive Control of Grid Connected Converters with No System Parameters. , 2021, , .		0
120	Combined Control of Grid Connected Converters for Resiliency Improvement of Smart Micro Grids against Multiple Risks. , 2021, , .		2
121	Efficiency Analysis of Brushless Doubly-Fed Induction Generator Based on Improved Steady-State Equivalent Circuit. , 2021, , .		3
122	Weighting Factorless Sequential Model Predictive Control Method with Fixed Switching Frequency for Five-Level T-type Photovoltaic Inverters. , 2021, , .		2
123	Study Feed forward decoupling and Predictive Control in the Single Phase Electronic Rectifier. , 2021, , .		0
124	Simplified Finite Set Model Predictive Control with DC Link Voltage Prediction for the Approach of Electric Vehicle Applications. , 2021, , .		0
125	Robust Multiple-Vector Predictive Control for Power Converters with Grid-Voltage Estimation. , 2021, , .		0
126	Zero Sequence Voltage Control of Open-End Winding Induction Motor by a Model-Free Predictive Control. , 2021, , .		2

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127	Experimental Testing of Continious Control Set Model Predictive Control for Three-phase Voltage Source Converters. , 2021, , .		3
128	Model-Free Predictive Control based on ARX Representation: A Comparative Assessment with Proportional-Integral Regulator. , 2021, , .		2
129	A Statistics-Based Dynamic Sequential Model Predictive Control for Induction Motor Drives. , 2021, , .		0
130	Model Predictive Control for a Multisource Inverter in Electrical Vehicle Applications. , 2021, , .		1
131	Finite Set Model Predictive Control for Split-Capacitor Active-Neutral-Point-Clamped Inverter with Different Voltage Levels Operating Modes. , 2021, , .		1
132	Reinforcement Learning Based Weighting Factor Design of Model Predictive Control for Power Electronic Converters. , 2021, , .		5
133	Cost Function Decoupling of FS-MPC for Power Converter using Event-Triggered Mechanism. , 2021, , .		1
134	One Beat Delay Predictive Current Control of a Reduced-Switch 3-Level VSI-Fed IPMSM with Minimized Torque Ripple. , 2021, , .		3
135	A Reference-Variant-Based Model Predictive Torque Control Scheme for PMSM. , 2021, , .		0
136	Deadbeat-assisted PTC Scheme for an Induction Motor Connected to Three-phase MMC. , 2021, , .		1
137	Predictive Power Control of Induction Motor Drives. , 2021, , .		2
138	Comparison between Model-Free Predictive and Adaptive Linear Control of a Voltage Source Inverter. , 2021, , .		2
139	Particle Swarm Optimization Based Continuous Control Set Model Predictive Speed Control for PMSM. , 2021, , .		0
140	Model-Free Predictive Power Control of Active Front Ends with Fast Power Variation Update Rate. , 2021, , .		4
141	Improved MPCC with Duty Cycle Modulation Strategy for Linear Induction Machines based on Linear Metro. , 2021, , .		0
142	Voltage Balancing of NPC Converter Capacitors in FS-MPC Method Using Current Sensor with Reduction of Computational Burden. , 2021, , .		1
143	Leg-Shared Fault Tolerant Predictive Control of PMSM Drive Systems Fed by Three-Level Back-to-Back Converters. , 2021, , .		0
144	Robust Predictive Power Control of Grid-tied Power Converters with Virtual Flux Inductance Estimator. , 2021, , .		0

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145	An Improved Strategy Combining with MPC for IPMSM Flux-Weakening Control. , 2021, , .		0
146	Cascaded Predictive Current Control with a Piecewise Approach for Induction Machine Drives. , 2021, , .		0
147	Fast Finite Control Set Model Predictive Control for Multilevel Inverters. , 2021, , .		1
148	Model-free Predictive Torque Control of an Induction Machine Based on Parameter Estimation. , 2021, , .		2
149	Cooperative Power Conditioners for Microgrids in Mining. , 2021, , .		5
150	Space Vector Modulation for a 5-level Reduced Multilevel Converter with capacitor balancing. , 2021, , .		0
151	Robust Quasi-Predictive Control of LCL-Filtered Grid Converters. IEEE Transactions on Power Electronics, 2020, 35, 1934-1946.	7.9	38
152	Zynq Implemented Luenberger Disturbance Observer Based Predictive Control Scheme for PMSM Drives. IEEE Transactions on Power Electronics, 2020, 35, 1770-1778.	7.9	69
153	Active Disturbance-Rejection-Based Speed Control in Model Predictive Control for Induction Machines. IEEE Transactions on Industrial Electronics, 2020, 67, 2574-2584.	7.9	81
154	Robust Loss Minimization for Predictive Direct Torque and Flux Control of an Induction Motor With Electrical Circuit Model. IEEE Transactions on Power Electronics, 2020, 35, 5417-5426.	7.9	18
155	Parallel Predictive Torque Control for Induction Machines Without Weighting Factors. IEEE Transactions on Power Electronics, 2020, 35, 1779-1788.	7.9	121
156	Current Control of a Seven-Level Voltage Source Inverter. IEEE Transactions on Power Electronics, 2020, 35, 2308-2316.	7.9	18
157	Even-Handed Sequential Predictive Torque and Flux Control. IEEE Transactions on Industrial Electronics, 2020, 67, 7334-7342.	7.9	35
158	Model Predictive Current Control of a Seven-Level Inverter With Reduced Computational Burden. IEEE Transactions on Power Electronics, 2020, 35, 5729-5740.	7.9	29
159	A New Control Technique for Improved Active-Neutral-Point-Clamped (I-ANPC) Multilevel Converters Using Logic-Equations Approach. IEEE Transactions on Industry Applications, 2020, 56, 488-497.	4.9	18
160	Fundamental Device Switching Frequency Control of Current-Fed Nine-Level Inverter for Solar Application. IEEE Transactions on Industry Applications, 2020, 56, 1839-1849.	4.9	6
161	Maximum Thrust per Ampere of Linear Induction Machine Based on Finite-Set Model Predictive Direct Thrust Control. IEEE Transactions on Power Electronics, 2020, 35, 7366-7378.	7.9	35
162	Improved Direct-Model Predictive Control with a Simple Disturbance Observer for DFIGs. , 2020, , .		2

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163	Tolerant Sequential Model Predictive Direct Torque Control of Permanent Magnet Synchronous Machine Drives. IEEE Transactions on Transportation Electrification, 2020, 6, 1167-1176.	7.8	24
164	Cost Function Design for Stable Performance of Modulated Model Predictive Control for Grid-Tied Inverters. , 2020, , .		0
165	An Overview of Microgrids Challenges in the Mining Industry. IEEE Access, 2020, 8, 191378-191393.	4.2	12
166	Model Reference Adaptive System with Finite-Set for Encoderless Control of PMSGs in Micro-Grid Systems. Energies, 2020, 13, 4844.	3.1	10
167	Cost Function Design for Stability Assessment of Modulated Model Predictive Control. , 2020, , .		1
168	Model-Free Predictive Current Control of a Voltage Source Inverter. IEEE Access, 2020, 8, 211104-211114.	4.2	63
169	Predictive Torque Control without Weighting Factors for Doubly-Fed Induction Generators in Wind Turbine Applications. , 2020, , .		1
170	Modulated Model Predictive Torque and Power Control of Gearless PMSG Wind Turbines. , 2020, , .		1
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