

# Margarita A Norambuena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3607212/publications.pdf>

Version: 2024-02-01

62  
papers

2,763  
citations

471509

17  
h-index

552781

26  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Stage Control Strategy for a Flying Capacitor Converter Based on Model Predictive and Linear Controllers. IEEE Transactions on Industrial Informatics, 2022, 18, 2203-2212.	11.3	8
2	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
3	Model Predictive Control Using Artificial Neural Network for Power Converters. IEEE Transactions on Industrial Electronics, 2022, 69, 3689-3699.	7.9	71
4	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
5	Latest Advances of Model Predictive Control in Electrical Drives—Part I: Basic Concepts and Advanced Strategies. IEEE Transactions on Power Electronics, 2022, 37, 3927-3942.	7.9	166
6	Latest Advances of Model Predictive Control in Electrical Drives—Part II: Applications and Benchmarking With Classical Control Methods. IEEE Transactions on Power Electronics, 2022, 37, 5047-5061.	7.9	112
7	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
8	Modified Modulated Model Predictive Control Strategy for a Grid-Connected Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 575-585.	7.9	35
9	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
10	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
11	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
12	Fixed Switching Frequency Model Predictive Controller for Doubly-Grounded Five-Level Photovoltaic Inverter. , 2021, , .		1
13	Predictive Control for Multilevel Inverters with Reduced Number of Commutations. , 2021, , .		1
14	Model Predictive Control Method for Flying Capacitor Five-Level Commonly-Grounded Photovoltaic Inverter. , 2021, , .		2
15	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
16	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
17	FCS-MPC Based Pre-Filtering Stage for Computational Efficiency in a Flying Capacitor Converter. IEEE Access, 2021, 9, 111039-111049.	4.2	14
18	Finite Control Set Model Predictive Control Without Weighting Factors for Common Grounded Five-Level PV Inverter. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
19	Optimal Switching Sequence MPC for Hybrid Flying Capacitor Inverter. , 2021, , .		0
20	Weighting Factorless Sequential Model Predictive Control Method with Fixed Switching Frequency for Five-Level T-type Photovoltaic Inverters. , 2021, , .		2
21	Finite Set-Model Predictive Control Method for Triple-Boost Doubly Grounded Three-Phase Photovoltaic Inverter. , 2021, , .		1
22	Fast Finite Control Set Model Predictive Control for Multilevel Inverters. , 2021, , .		1
23	Space Vector Modulation for a 5-level Reduced Multilevel Converter with capacitor balancing. , 2021, , .		0
24	Current Control of a Seven-Level Voltage Source Inverter. IEEE Transactions on Power Electronics, 2020, 35, 2308-2316.	7.9	18
25	Even-Handed Sequential Predictive Torque and Flux Control. IEEE Transactions on Industrial Electronics, 2020, 67, 7334-7342.	7.9	35
26	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
27	Cost Function Design for Stability Assessment of Modulated Model Predictive Control. , 2020, , .		1
28	A Finite Control Set-Model Predictive Control Method for Step-Up Five Level Doubly Grounded Photovoltaic Inverter. , 2020, , .		10
29	Using Virtual Voltage Vectors in Predictive Control of Three-Phase Inverters for Fixing Common-Mode Voltage. , 2020, , .		2
30	Four-Stage Cascaded Predictive Control for Zero-Sequence Current Suppression of Open-End Winding Induction Motor. , 2020, , .		0
31	Computation-Efficient Model Predictive Control With Common-Mode Voltage Elimination for Five-Level ANPC Converters. IEEE Transactions on Transportation Electrification, 2020, 6, 970-984.	7.8	39
32	Multiple-Voltage-Vector Model Predictive Control With Reduced Complexity for Multilevel Inverters. IEEE Transactions on Transportation Electrification, 2020, 6, 105-117.	7.8	47
33	Analytical Constrained Model Predictive Control with Integral Action for a DC-DC H-Bridge Converter. , 2020, , .		0
34	A Model Predictive Control Method For Common Grounded Photovoltaic Multilevel Inverter. , 2020, , .		7
35	Reduced Multilevel Converter: A Novel Back-to-Back Converter with Reduced Switch Count. , 2019, , .		0
36	A simple modulation strategy for a Reduced Multilevel Converter using Predictive Control. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	A Method to Eliminate Steady-State Error of Model Predictive Control in Power Electronics. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2525-2530.	5.4	38
38	Sequential Model Predictive Control of Three-Phase Direct Matrix Converter. Energies, 2019, 12, 214.	3.1	15
39	Novel Three-Phase Multi-Level Inverter with Reduced Components. , 2019, , .		1
40	A Model Predictive Control Applied To Single-Phase Packed-U-Cells Converter. , 2019, , .		1
41	Modulated Model Predictive Control for Three-Phase Packed-U-Cells Multilevel Converter. , 2019, , .		11
42	Sequential MPC Strategy for High Performance Induction Motor Drives: a detailed analysis. , 2019, , .		7
43	Modulated Model Predictive Control for Induction Motor Drives with Sequential Cost Function Evaluation. , 2019, , .		7
44	Model Predictive Control of a regenerative Flying Capacitor Converter with reduced switch count. , 2019, , .		0
45	Generalized Sequential Model Predictive Control of IM Drives With Field-Weakening Ability. IEEE Transactions on Power Electronics, 2019, 34, 8944-8955.	7.9	86
46	Predictive Voltage Control of Direct Matrix Converters With Improved Output Voltage for Renewable Distributed Generation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 296-308.	5.4	33
47	A Very Simple Strategy for High-Quality Performance of AC Machines Using Model Predictive Control. IEEE Transactions on Power Electronics, 2019, 34, 794-800.	7.9	186
48	Reduced Multilevel Converter: A Novel Multilevel Converter With a Reduced Number of Active Switches. IEEE Transactions on Industrial Electronics, 2018, 65, 3636-3645.	7.9	79
49	Sequential Model Predictive Control of Direct Matrix Converter without Weighting Factors. , 2018, , .		11
50	Sequential Direct Model Predictive Control for Grid-Tied Three-Level NPC Power Converters. , 2018, , .		9
51	Generalized Sequential Model Predictive Control of Induction Motor Drives. , 2018, , .		8
52	Predictive Speed Control with Reduced Commutations and High Dynamic Responses. , 2018, , .		1
53	Model Predictive Control for Power Converters and Drives: Advances and Trends. IEEE Transactions on Industrial Electronics, 2017, 64, 935-947.	7.9	1,305
54	Finite set model predictive control of a flying capacitor converter with a geometric computational optimization. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
55	A novel multilevel converter with reduced switch count for low and medium voltage applications. , 2017, , .		10
56	Finite Control Set Model Predictive Control reduced computational cost applied to a Flying Capacitor converter. , 2017, , .		21
57	Improved steady state behavior of finite control set model predictive control applied to a flying capacitor converter. , 2016, , .		5
58	A simple modulation strategy for a Flying Capacitor converter using predictive control. , 2016, , .		3
59	The challenges of predictive control to reach acceptance in the power electronics industry. , 2016, , .		12
60	Finite control set model predictive control of a Stacked Multicell Converter. , 2015, , .		5
61	Finite control set model predictive control of a stacked multicell converter with reduced computational cost. , 2015, , .		16
62	Dual-stage model predictive control for Flying Capacitor Converters. , 2013, , .		14