Julio Elias Normey-Rico

List of Publications by Year
in descending order

235 papers	4,120 citations	126708 33 h-index	143772 57 g-index
238 all docs	238 docs citations	238 times ranked	2617 citing authors

#	Article	IF	Citations
1	A Predictive Controller for Autonomous Vehicle Path Tracking. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 92-102.	4.7	253
2	Dead-time compensators: A survey. Control Engineering Practice, 2008, 16, 407-428.	3.2	220
3	Unified approach for robust dead-time compensator design. Journal of Process Control, 2009, 19, 38-47.	1.7	210
4	Robust Predictive Control Strategy Applied for Propofol Dosing Using BIS as a Controlled Variable During Anesthesia. IEEE Transactions on Biomedical Engineering, 2008, 55, 2161-2170.	2.5	198
5	Improving the robustness of dead-time compensating PI controllers. Control Engineering Practice, 1997, 5, 801-810.	3.2	125
6	Mobile robot path tracking using a robust PID controller. Control Engineering Practice, 2001, 9, 1209-1214.	3.2	118
7	Optimizing building comfort temperature regulation via model predictive control. Energy and Buildings, 2013, 57, 361-372.	3.1	101
8	An optimal predictive control strategy for COVID-19 (SARS-CoV-2) social distancing policies in Brazil. Annual Reviews in Control, 2020, 50, 417-431.	4.4	88
9	Model predictive control design for linear parameter varying systems: A survey. Annual Reviews in Control, 2020, 49, 64-80.	4.4	88
10	Control of integral processes with dead-time. Part 1: Disturbance observer-based 2DOF control scheme. IET Control Theory and Applications, 2002, 149, 285-290.	1.7	87
11	A unified approach to design dead-time compensators for stable and integrative processes with dead-time. IEEE Transactions on Automatic Control, 2002, 47, 299-305.	3.6	76
12	Thermal comfort control using a non-linear MPC strategy: A real case of study in a bioclimatic building. Journal of Process Control, 2014, 24, 703-713.	1.7	76
13	Energy management of an experimental microgrid coupled to a V2G system. Journal of Power Sources, 2016, 327, 702-713.	4.0	76
14	Efficient building energy management using distributed model predictive control. Journal of Process Control, 2014, 24, 740-749.	1.7	75
15	A Smith-predictor-based generalised predictive controller for mobile robot path-tracking. Control Engineering Practice, 1999, 7, 729-740.	3.2	70
16	Robust tuning of dead-time compensators for processes with an integrator and long dead-time. IEEE Transactions on Automatic Control, 1999, 44, 1597-1603.	3.6	66
17	Robust constrained predictive feedback linearization controller in a solar desalination plant collector field. Control Engineering Practice, 2009, 17, 1076-1088.	3.2	56
18	Simple Tuning Rules for Dead-Time Compensation of Stable, Integrative, and Unstable First-Order Dead-Time Processes. Industrial & Engineering Chemistry Research, 2013, 52, 11646-11654.	1.8	53

#	Article	IF	Citations
19	A Smith predictive based MPC in a solar air conditioning plant. Journal of Process Control, 2005, 15, 1-10.	1.7	47
20	Improving feedforward disturbance compensation capabilities in Generalized Predictive Control. Journal of Process Control, 2012, 22, 527-539.	1.7	46
21	Event-based predictive control of pH in tubular photobioreactors. Computers and Chemical Engineering, 2014, 65, 28-39.	2.0	44
22	2DOF discrete dead-time compensators for stable and integrative processes with dead-time. Journal of Process Control, 2005, 15, 341-352.	1.7	43
23	On the filtered Smith predictor for MIMO processes with multiple time delays. Journal of Process Control, 2014, 24, 383-400.	1.7	43
24	Fault Analysis, Detection and Estimation for a Microgrid via <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si124.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si126.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></m International Journal of Electrical Power and Energy Systems, 2019, 105, 823-845.	3.3	43
25	A PRACTICAL APPROACH TO PREDICTIVE CONTROL FOR NONLINEAR PROCESSES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 210-215.	0.4	42
26	Advanced chance-constrained predictive control for the efficient energy management of renewable power systems. Journal of Process Control, 2019, 74, 120-132.	1.7	42
27	Predictive control for hydrogen production by electrolysis in an offshore platform using renewable energies. International Journal of Hydrogen Energy, 2017, 42, 12865-12876.	3.8	41
28	Controlling industrial dead-time systems: When to use a PID or an advanced controller. ISA Transactions, 2020, 99, 339-350.	3.1	40
29	Unified approach for minimal output dead time compensation in MIMO processes. Journal of Process Control, 2011, 21, 1080-1091.	1.7	39
30	Dealing with noise in unstable dead-time process control. Journal of Process Control, 2010, 20, 840-847.	1.7	38
31	Local model predictive controller in a solar desalination plant collector field. Renewable Energy, 2011, 36, 3001-3012.	4.3	37
32	Robust stability analysis of filtered Smith predictor for time-varying delay processes. Journal of Process Control, 2012, 22, 1975-1984.	1.7	34
33	A Robust Adaptive Dead-Time Compensator with Application to A Solar Collector Field 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 93-98.	0.4	33
34	An unified approach for DTC design using interactive tools. Control Engineering Practice, 2009, 17, 1234-1244.	3.2	33
35	Temperature control in a solar collector field using Filtered Dynamic Matrix Control. ISA Transactions, 2016, 62, 39-49.	3.1	33
36	A parametrized nonlinear predictive control strategy for relaxing COVID-19 social distancing measures in Brazil. ISA Transactions, 2022, 124, 197-214.	3.1	33

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37	LPV-MPC fault-tolerant energy management strategy for renewable microgrids. International Journal of Electrical Power and Energy Systems, 2020, 117, 105644.	3.3	30
38	Robustness effects of a prefilter in Smith predictorâ€"based generalised predictive controller. IET Control Theory and Applications, 1999, 146, 179-185.	1.7	29
39	Smith Predictor-Based Control Schemes for Dead-Time Unstable Cascade Processes. Industrial & Engineering Chemistry Research, 2010, 49, 11471-11481.	1.8	29
40	On the filtered Smith predictor with feedforward compensation. Journal of Process Control, 2016, 41, 35-46.	1.7	29
41	Multivariable generalised predictive controller based on the Smith predictor. IET Control Theory and Applications, 2000, 147, 538-546.	1.7	28
42	Novel qLPV MPC Design with Least-Squares Scheduling Prediction. IFAC-PapersOnLine, 2019, 52, 158-163.	0.5	28
43	OPC based distributed real time simulation of complex continuous processes. Simulation Modelling Practice and Theory, 2005, 13, 525-549.	2.2	27
44	On the explicit dead-time compensation for robust model predictive control. Journal of Process Control, 2012, 22, 236-246.	1.7	26
45	Simple Robust Dead-Time Compensator for First-Order Plus Dead-Time Unstable Processes. Industrial & Engineering Chemistry Research, 2008, 47, 4784-4790.	1.8	25
46	Optimal operation of hybrid power systems including renewable sources in the sugar cane industry. IET Renewable Power Generation, 2017, 11, 1237-1245.	1.7	25
47	Analysis of Anti-windup Techniques in PID Control of Processes with Measurement Noise âŽ âŽThis work was supported by the Brazilian National Council for Scientific and Technological Development (CNPq) under Grants 311024/2015-7 and 305785/2015-0.. IFAC-PapersOnLine, 2018, 51, 948-953.	0.5	25
48	An automatic tuning methodology for a unified dead-time compensator. Control Engineering Practice, 2014, 27, 11-22.	3.2	24
49	Simplified filtered Smith predictor for MIMO processes with multiple time delays. ISA Transactions, 2016, 65, 339-349.	3.1	23
50	A practical approach for Generalized Predictive Control within an event-based framework. Computers and Chemical Engineering, 2012, 41, 52-66.	2.0	22
51	Predictive Control with Disturbance Forecasting for Greenhouse Diurnal Temperature Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1779-1784.	0.4	21
52	A practical approach for hybrid distributed MPC. Journal of Process Control, 2017, 55, 30-41.	1.7	20
53	Implementation and test of a new autotuning method for PID controllers of TITO processes. Control Engineering Practice, 2017, 58, 171-185.	3.2	20
54	A Method for Designing Decoupled Filtered Smith Predictor for Square MIMO Systems With Multiple Time Delays. IEEE Transactions on Industry Applications, 2018, 54, 6439-6449.	3.3	20

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55	Modelling, identification and control of a calorimeter used for performance evaluation of refrigerant compressors. Control Engineering Practice, 2010, 18, 254-261.	3.2	19
56	Multivariable Greenhouse Control Using the Filtered Smith Predictor. Journal of Control, Automation and Electrical Systems, 2016, 27, 349-358.	1.2	19
57	Future Hybrid Local Energy Generation Paradigm for the Brazilian Sugarcane Industry Scenario. International Journal of Electrical Power and Energy Systems, 2018, 101, 139-150.	3.3	19
58	Smith predictor and modifications: A comparative study. , 1999, , .		18
59	Robust Nonlinear Predictive Control Applied to a Solar Collector Field in a Solar Desalination Plant. IEEE Transactions on Control Systems Technology, 2010, , .	3.2	18
60	Filtered Smith predictor with feedback linearization and constraints handling applied to a solar collector field. Solar Energy, 2011, 85, 1056-1067.	2.9	18
61	Constrained latent variable model predictive control for trajectory tracking and economic optimization in batch processes. Journal of Process Control, 2016, 45, 1-11.	1.7	18
62	Fault-tolerant energy management for an industrial microgrid: A compact optimization method. International Journal of Electrical Power and Energy Systems, 2021, 124, 106342.	3.3	18
63	Smith predictor with inverted decoupling for square multivariable time delay systems. International Journal of Systems Science, 2016, 47, 374-388.	3.7	17
64	A unified anti-windup strategy for SISO discrete dead-time compensators. Control Engineering Practice, 2017, 69, 50-60.	3.2	17
65	Unified PID Tuning Approach for Stable, Integrative, and Unstable Dead-Time Processes. Industrial & Engineering Chemistry Research, 2013, 52, 16811-16819.	1.8	16
66	Model predictive control of a tilt-rotor UAV for load transportation. , 2016, , .		16
67	Nonlinear temperature regulation of solar collectors with a fast adaptive polytopic LPV MPC formulation. Solar Energy, 2020, 209, 214-225.	2.9	16
68	Hierarchical control for the start-up procedure of solar thermal fields with direct storage. Control Engineering Practice, 2020, 95, 104254.	3.2	15
69	The COVID-19 (SARS-CoV-2) uncertainty tripod in Brazil: Assessments on model-based predictions with large under-reporting. AEJ - Alexandria Engineering Journal, 2021, 60, 4363-4380.	3.4	15
70	Subâ€optimal recursively feasible Linear Parameterâ€Varying predictive algorithm for semiâ€active suspension control. IET Control Theory and Applications, 2020, 14, 2764-2775.	1.2	14
71	INTRODUCING LINEAR MATRIX INEQUALITIES IN A CONTROL COURSE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 205-210.	0.4	13
72	Efficient simulation strategy for PCM-based cold-energy storage systems. Applied Thermal Engineering, 2018, 139, 419-431.	3.0	13

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73	Dead-Time Compensators: A Unified Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 129-134.	0.4	12
74	Robust design of GPC for processes with time delay. International Journal of Robust and Nonlinear Control, 2000, 10, 1105-1127.	2.1	12
75	Distributed continuous process simulation: An industrial case study. Computers and Chemical Engineering, 2008, 32, 1195-1205.	2.0	12
76	Viability and application of ethanol production coupled with solar cooling. Applied Energy, 2013, 102, 501-509.	5.1	12
77	A multivariable nonlinear MPC control strategy for thermal comfort and indoor-air quality. , 2013, , .		12
78	Economic energy management of a microgrid including electric vehicles. , 2015, , .		12
79	Robust nonlinear predictor for dead-time systems with input nonlinearities. Journal of Process Control, 2015, 27, 1-14.	1.7	12
80	Robust design methodology for simultaneous feedforward and feedback tuning. IET Control Theory and Applications, 2016, 10, 84-94.	1.2	12
81	The Comparison Study of Short-Term Prediction Methods to Enhance the Model Predictive Controller Applied to Microgrid Energy Management. Energies, 2017, 10, 884.	1.6	12
82	Unified PID Tuning Approach for Stable, Integrative and Unstable Dead-Time Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 35-40.	0.4	11
83	Distributed MPC for resourceâ€constrained control systems. Optimal Control Applications and Methods, 2015, 36, 272-291.	1.3	11
84	Practical MPC with robust dead-time compensation applied to a solar desalination plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4909-4914.	0.4	10
85	A combined FSP and reset control approach to improve the set-point tracking task of dead-time processes. Control Engineering Practice, 2013, 21, 351-359.	3.2	10
86	Deadâ€time compensation of constrained linear systems with bounded disturbances: output feedback case. IET Control Theory and Applications, 2013, 7, 52-59.	1.2	10
87	Small scale UAV with birotor configuration. , 2013, , .		10
88	Model predictive control for inventory management in biomass manufacturing supply chains. International Journal of Production Research, 2017, 55, 3596-3608.	4.9	10
89	Modeling and simulation of a solar field based on flat-plate collectors. Solar Energy, 2018, 170, 369-378.	2.9	10
90	A general optimal operating strategy for commercial membrane distillation facilities. Renewable Energy, 2020, 156, 220-234.	4.3	10

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91	Robustness conditions of LPV fault estimation systems for renewable microgrids. International Journal of Electrical Power and Energy Systems, 2019, 111, 325-350.	3.3	9
92	Assessing demand compliance and reliability in the Philippine off-grid islands with Model Predictive Control microgrid coordination. Renewable Energy, 2021, 179, 1271-1290.	4.3	9
93	A nonlinear model based predictive control strategy to maintain thermal comfort inside a bioclimatic building. , 2012, , .		8
94	Model predictive control of hydrogen production by renewable energy. , 2015, , .		8
95	Robust Model Predictive Control: Implementation Issues with Comparative Analysis. IFAC-PapersOnLine, 2018, 51, 478-483.	0.5	8
96	Optimization of Grid-Tied Microgrids Under Binomial Differentiated Tariff and Net Metering Policies: A Brazilian Case Study. Journal of Control, Automation and Electrical Systems, 2018, 29, 731-741.	1.2	8
97	Apparent delay analysis for a flat-plate solar field model designed for control purposes. Solar Energy, 2019, 177, 241-254.	2.9	8
98	A predictor for dead-time systems based on the Kalman Filter for improved disturbance rejection and robustness. Journal of Process Control, 2021, 105, 108-116.	1.7	8
99	Unified dead-time compensation structure for SISO processes with multiple dead times. ISA Transactions, 2014, 53, 1865-1872.	3.1	7
100	Advanced Control Strategy Combined with Solar Cooling for Improving Ethanol Production in Fermentation Units. Industrial & Engineering Chemistry Research, 2014, 53, 11384-11392.	1.8	7
101	Event-Based GPC for Multivariable Processes: A Practical Approach With Sensor Deadband. IEEE Transactions on Control Systems Technology, 2017, 25, 1621-1633.	3.2	7
102	Distributed Energy Management System for V2G Networked Microgrids. , 2017, , .		7
103	Hybrid predictive controller for overheating prevention of solar collectors. Renewable Energy, 2019, 136, 535-547.	4.3	7
104	Moving Horizon Estimation of Faults in Renewable Microgrids. IFAC-PapersOnLine, 2019, 52, 311-316.	0.5	7
105	Mixed Logical Dynamical Nonlinear Model Predictive Controller for Largeâ€Scale Solar Fields. Asian Journal of Control, 2019, 21, 1881-1891.	1.9	7
106	SLIDING MODE PREDICTIVE CONTROL OF A DELAYED CSTR. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 246-251.	0.4	6
107	Integrated design and control applied to a buck boost converter. , 2007, , .		6
108	Disturbance Estimator based NonLinear MPC of a Three Phase Separator. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 101-106.	0.4	6

#	ARTICLE	IF	CITATIONS
109	Robustness of Nonlinear MPC for Dead-time Processes**This work was financed by CNPq-Brasil (Conselho Nacional de Desenvolvimento CientÃfico e TecnolÃ³gico).. IFAC-PapersOnLine, 2015, 48, 332-341.	0.5	6
110	Hybrid NMPC Applied to a Solar-powered Membrane Distillation System. IFAC-PapersOnLine, 2019, 52, 124-129.	0.5	6
111	Economic Management Based on Hybrid MPC for Microgrids: A Brazilian Energy Market Solution. Energies, 2020, 13, 3508.	1.6	6
112	Control of a grid assisted PV-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1441" altimg="si122.svg"><mml:msub><mml:mrow><mml:mtext>H</mml:mtext></mml:mrow><mml:mrow><mml:mtext>2</mml:mtext></m production system: A comparative study between optimal control and hybrid MPC. Journal of Process Control, 2020, 92, 220-233.	1.7	6
113	A novel unified method for time-varying dead-time compensation. ISA Transactions, 2021, 108, 78-95.	3.1	6
114	Optimal Control Approach for the COVID-19 Pandemic in Bahia and Santa Catarina, Brazil. Journal of Control, Automation and Electrical Systems, 2022, 33, 49-62.	1.2	6
115	Split-range control for improved operation of solar absorption cooling plants. Renewable Energy, 2022, 192, 361-372.	4.3	6
116	Low time-consuming implementation of predictive path-tracking control for a "synchro-drive" mobile robot. , 0, , .		5
117	Disturbance observer-based control for processes with an integrator and long dead-time. , 0, , .		5
118	ROBUST DEAD-TIME COMPENSATION OF A EVAPORATION PROCESS IN SUGAR PRODUCTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 460-465.	0.4	5
119	Modeling, Control and Optimization of Ethanol Fermentation Process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10609-10614.	0.4	5
120	Robust design of dead-time compensator controllers for constrained non-linear systems. , 2011, , .		5
121	Design of PID Controller with Filter for Distributed Parameter Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 495-500.	0.4	5
122	A flexible low cost embedded system for Model Predictive Control of industrial processes. , 2013, , .		5
123	On the prediction error of dead-time compensation control for constrained nonlinear systems. , 2014, , .		5
124	Using a MILP model for battery bank operation in the “White tariff” Brazilian context. , 2014, , .		5
125	Binary search algorithm for mixed integer optimization: Application to energy management in a microgrid. , 2016, , .		5
126	Advanced Control for Energy Management of Grid-Connected Hybrid Power Systems in the Sugar Cane Industry * *The authors thank CNPq and Ministerio de EconomÃa y Competitividad de EspaÃ±a for financing the projects CNPq401126/2014-5, CNPq303702/2011-7 and DPI2016-78338-R.. IFAC-PapersOnLine, 2017, 50, 31-36.	0.5	5

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127	LPV-Hâˆž Fault Estimation for Boilers in Sugarcane Processing Plants. IFAC-PapersOnLine, 2018, 51, 1-6.	0.5	5
128	Fast Generalized Predictive Control Based on Accelerated Dual Gradient Projection Method. IFAC-PapersOnLine, 2019, 52, 480-485.	0.5	5
129	Fast Constrained Generalized Predictive Control with ADMM Embedded in an FPGA. IEEE Latin America Transactions, 2020, 18, 422-429.	1.2	5
130	Predictive ESO-based control with guaranteed stability for uncertain MIMO constrained systems. ISA Transactions, 2021, 112, 161-167.	3.1	5
131	Robust Nonlinear Predictive Control through qLPV embedding and Zonotope Uncertainty Propagation. IFAC-PapersOnLine, 2021, 54, 33-38.	0.5	5
132	A fast dissipative robust nonlinear model predictive control procedure via quasiâ€linear parameter varying embedding and parameter extrapolation. International Journal of Robust and Nonlinear Control, 2021, 31, 9619-9651.	2.1	5
133	A slip frequency gain adaptation method based on MRAS for induction motor drives. , 0, , .		4
134	Stability of saturated dead-time compensating pi controllers for uncertain dead-time systems. , 1999, , .		4
135	EDUSCA (EDUCATIONAL SCADA): FEATURES AND APPLICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 614-619.	0.4	4
136	Control of Dead-Time Processes (J.E. Normey-Rico and E.F. Camacho; 2007) [Book Review]. IEEE Control Systems, 2008, 28, 136-137.	1.0	4
137	Explicit input-delay compensation for robustness improvement in MPC. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 384-389.	0.4	4
138	Unified approach for minimal output dead time compensation in MIMO non-square processes. , 2012, , .		4
139	Repetitive model based predictive controller to reject periodic disturbances.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11494-11499.	0.4	4
140	A Linear Parameter Varying Approach for Robust Dead-Time Compensation. IFAC-PapersOnLine, 2019, 52, 880-885.	0.5	4
141	Model-based predictive control for the regulation of the golden mussel Limnoperna fortunei (Dunker, 1857). Ecological Modelling, 2019, 406, 84-97.	1.2	4
142	A Two-Layer EMS for Cooperative Sugarcane-based Microgrids. International Journal of Electrical Power and Energy Systems, 2020, 118, 105752.	3.3	4
143	An inputâ€toâ€state stable model predictive control framework for Lipschitz nonlinear parameter varying systems. International Journal of Robust and Nonlinear Control, 2021, 31, 8239-8272.	2.1	4
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145	Advanced control applied to a gas compression system of an offshore platform: From modeling to related system infrastructure. Journal of Petroleum Science and Engineering, 2022, 208, 109428.	2.1	4
146	NONLINEAR MODEL BASED PREDICTIVE CONTROLLER OF A BUCK BOOST CONVERTER. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 193-198.	0.4	3
147	Control Predictivo en Cascada de un VehÃculo AutÃ³nomo. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2009, 6, 63-74.	0.6	3
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150	Distributed model predictive control for energy distribution. , 2013, , .		3
151	Optimal feedforward compensators for integrating plants. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 170-175.	0.4	3
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154	A Convex Optimal Voltage Unbalance Compensator for Hybrid AC/DC Microgrids. , 2019, , .		3
155	Sub-optimal Linear Parameter Varying Model Predictive Control for Solar Collectors. , 2020, , .		3
156	NMPC Through qLPV Embedding: A Tutorial Review of Different Approaches. IFAC-PapersOnLine, 2021, 54, 302-307.	0.5	3
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158	Sufficient Conditions for Convergent Recursive Extrapolation of qLPV Scheduling Parameters Along a Prediction Horizon. IEEE Transactions on Automatic Control, 2023, 68, 3182-3193.	3.6	3
159	ROBUST CONSTRAINED HORIZON PREDICTIVE CONTROLLER FOR DEAD TIME SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 290-295.	0.4	2
160	PREDICTIVE CONTROL WITH ROBUST DEAD-TIME COMPENSATION: APPLICATION TO DRUG DOSING DURING ANESTHESIA. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 402-407.	0.4	2
161	Approach for non-linear predictive control based on the local model ideas. Controle and Automacao, 2009, 20, 465-481.	0.2	2
162	Predictive temperature control of solar collectors in a desalination plant. , 2009, , .		2

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163	An Interactive Tool to Design Controllers for Processes with Dead Time. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 189-194.	0.4	2
164	Adaptive Dead Time Compensation on Congestion Control of TCP Networks: An Unified Solution. Journal of Control, Automation and Electrical Systems, 2013, 24, 439-449.	1.2	2
165	Filtered Smith Predictor with nonlinear model applied to a solar field. , 2014, , .		2
166	An Approach for Improving Student Performance in a Feedback Systems Course for Process Control Education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10574-10579.	0.4	2
167	Low-order feedback-feedforward controller for dead-time processes with measurable disturbances. IFAC-PapersOnLine, 2016, 49, 591-596.	0.5	2
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169	A robust predictor for dead-time systems based on the Kalman filter. IFAC-PapersOnLine, 2018, 51, 24-29.	0.5	2
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171	LPV-Filtered Predictive Control Design for Fault-Tolerant Energy Management. IFAC-PapersOnLine, 2019, 52, 166-171.	0.5	2
172	Modelling the Ecological Effect of the Golden Mussel Invasion in Uruguay River. IFAC-PapersOnLine, 2019, 52, 721-726.	0.5	2
173	Fast Constrained Generalized Predictive Control with ADMM Embedded in an FPGA. IEEE Latin America Transactions, 2019, 18, 422-429.	1.2	2
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