

# Teodoro Alamo

## List of Publications by Year in descending order

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224  
papers

6,064  
citations

109321

35  
h-index

95266

68  
g-index

229  
all docs

229  
docs citations

229  
times ranked

2602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guaranteed state estimation by zonotopes. <i>Automatica</i> , 2005, 41, 1035-1043.	5.0	492
2	MPC for tracking piecewise constant references for constrained linear systems. <i>Automatica</i> , 2008, 44, 2382-2387.	5.0	392
3	Robust tube-based MPC for tracking of constrained linear systems with additive disturbances. <i>Journal of Process Control</i> , 2010, 20, 248-260.	3.3	208
4	Input to state stability of min-max MPC controllers for nonlinear systems with bounded uncertainties. <i>Automatica</i> , 2006, 42, 797-803.	5.0	182
5	On the Stability of Constrained MPC Without Terminal Constraint. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 832-836.	5.7	156
6	Zonotopic guaranteed state estimation for uncertain systems. <i>Automatica</i> , 2013, 49, 3418-3424.	5.0	156
7	Randomized Strategies for Probabilistic Solutions of Uncertain Feasibility and Optimization Problems. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 2545-2559.	5.7	151
8	Input-to-state stable MPC for constrained discrete-time nonlinear systems with bounded additive uncertainties. , 0, , .		145
9	On input-to-state stability of min-max nonlinear model predictive control. <i>Systems and Control Letters</i> , 2008, 57, 39-48.	2.3	134
10	Model predictive control techniques for hybrid systems. <i>Annual Reviews in Control</i> , 2010, 34, 21-31.	7.9	126
11	MPC for tracking with optimal closed-loop performance. <i>Automatica</i> , 2009, 45, 1975-1978.	5.0	118
12	Input-to-State Stability: A Unifying Framework for Robust Model Predictive Control. <i>Lecture Notes in Control and Information Sciences</i> , 2009, , 1-26.	1.0	115
13	Randomized methods for design of uncertain systems: Sample complexity and sequential algorithms. <i>Automatica</i> , 2015, 52, 160-172.	5.0	115
14	Distributed model predictive control based on agent negotiation. <i>Journal of Process Control</i> , 2011, 21, 685-697.	3.3	112
15	Nonlinear MPC for Tracking Piece-Wise Constant Reference Signals. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 3735-3750.	5.7	104
16	Bounded Error Identification of Systems With Time-Varying Parameters. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 1144-1150.	5.7	103
17	Enlarging the domain of attraction of MPC controllers. <i>Automatica</i> , 2005, 41, 629-635.	5.0	93
18	Robust fault detection using zonotope-based set-membership consistency test. <i>International Journal of Adaptive Control and Signal Processing</i> , 2009, 23, 311-330.	4.1	92

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19	Robust MPC of constrained discrete-time nonlinear systems based on approximated reachable sets. <i>Automatica</i> , 2006, 42, 1745-1751.	5.0	90
20	A set-membership state estimation algorithm based on DC programming. <i>Automatica</i> , 2008, 44, 216-224.	5.0	74
21	Covid-19: Open-Data Resources for Monitoring, Modeling, and Forecasting the Epidemic. <i>Electronics (Switzerland)</i> , 2020, 9, 827.	3.1	74
22	Online robust tube-based MPC for time-varying systems: a practical approach. <i>International Journal of Control</i> , 2011, 84, 1157-1170.	1.9	72
23	On the computation of invariant sets for constrained nonlinear systems: An interval arithmetic approach. <i>Automatica</i> , 2005, 41, 1583-1589.	5.0	71
24	Robust MPC of constrained nonlinear systems based on interval arithmetic. <i>IET Control Theory and Applications</i> , 2005, 152, 325-332.	1.7	71
25	Single-layer economic model predictive control for periodic operation. <i>Journal of Process Control</i> , 2014, 24, 1207-1224.	3.3	70
26	Stochastic Programming Applied to Model Predictive Control. , 0, , .		64
27	Periodic Economic Control of a Nonisolated Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 5247-5255.	7.9	64
28	MPC for Tracking Periodic References. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 1123-1128.	5.7	64
29	On the computation of convex robust control invariant sets for nonlinear systems. <i>Automatica</i> , 2010, 46, 1334-1338.	5.0	63
30	Improved computation of ellipsoidal invariant sets for saturated control systems. , 0, , .		61
31	A new vertex result for robustness problems with interval matrix uncertainty. <i>Systems and Control Letters</i> , 2008, 57, 474-481.	2.3	49
32	Dynamic Output Feedback for Discrete-Time Systems Under Amplitude and Rate Actuator Constraints. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 2367-2372.	5.7	47
33	Robust tube-based predictive control for mobile robots in off-road conditions. <i>Robotics and Autonomous Systems</i> , 2011, 59, 711-726.	5.1	47
34	On the sample complexity of randomized approaches to the analysis and design under uncertainty. , 2010, , .		46
35	Constrained min-max predictive control: modifications of the objective function leading to polynomial complexity. <i>IEEE Transactions on Automatic Control</i> , 2005, 50, 710-714.	5.7	45
36	A new concept of invariance for saturated systems. <i>Automatica</i> , 2006, 42, 1515-1521.	5.0	44

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37	MPC for tracking of constrained nonlinear systems. , 2009, , .		43
38	Adaptive Control for a Mobile Robot Under Slip Conditions Using an LMI-Based Approach. European Journal of Control, 2010, 16, 144-155.	2.6	43
39	Networked control design for coalitional schemes using game-theoretic methods. Automatica, 2017, 78, 320-332.	5.0	40
40	Guaranteed state estimation by zonotopes. , 0, , .		39
41	Min-Max MPC based on a computationally efficient upper bound of the worst case cost. Journal of Process Control, 2006, 16, 511-519.	3.3	39
42	MPC FOR TRACKING OF PIECE-WISE CONSTANT REFERENCES FOR CONSTRAINED LINEAR SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 135-140.	0.4	33
43	Estimation of the domain of attraction for saturated discrete-time systems. International Journal of Systems Science, 2006, 37, 575-583.	5.5	31
44	Convex invariant sets for discrete-time Lurâ€™e systems. Automatica, 2009, 45, 1066-1071.	5.0	31
45	Improved set-membership estimation approach based on zonotopes and ellipsoids. , 2014, , .		31
46	Efficient implementation of constrained minâ€™max model predictive control with bounded uncertainties: a vertex rejection approach. Journal of Process Control, 2005, 15, 149-158.	3.3	30
47	A gradient-based strategy for the one-layer RTO+MPC controller. Journal of Process Control, 2014, 24, 435-447.	3.3	29
48	A General Framework for Predictors Based on Bounding Techniques and Local Approximation. IEEE Transactions on Automatic Control, 2017, 62, 3430-3435.	5.7	29
49	Computationally efficient nonlinear Minâ€™Max Model Predictive Control based on Volterra series modelsâ€™Application to a pilot plant. Journal of Process Control, 2013, 23, 543-560.	3.3	28
50	Data-driven methods for present and future pandemics: Monitoring, modelling and managing. Annual Reviews in Control, 2021, 52, 448-464.	7.9	28
51	Optimal MPC for tracking of constrained linear systems. International Journal of Systems Science, 2011, 42, 1265-1276.	5.5	27
52	Design and Application of Suboptimal Mixed $H_2/H_\infty$ Controllers for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2012, 20, 1057-1065.	5.2	27
53	Determining limit cycles in fuzzy control systems. , 0, , .		26
54	Minâ€™max MPC using a tractable QP problem. Automatica, 2007, 43, 693-700.	5.0	26

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55	On the explicit dead-time compensation for robust model predictive control. Journal of Process Control, 2012, 22, 236-246.	3.3	26
56	Data-based predictive control via direct weight optimization. IFAC-PapersOnLine, 2018, 51, 356-361.	0.9	26
57	On the design of Robust tube-based MPC for tracking. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15333-15338.	0.4	25
58	Stability analysis of systems with bounded additive uncertainties based on invariant sets: Stability and feasibility of MPC. , 0, , .		23
59	A New Approach for Guaranteed Ellipsoidal State Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6533-6538.	0.4	23
60	Explicit solution of min-max MPC with additive uncertainties and quadratic criterion. Systems and Control Letters, 2006, 55, 266-274.	2.3	22
61	Min-max model predictive control as a quadratic program. IET Control Theory and Applications, 2007, 1, 328-333.	2.1	22
62	Output feedback Robust tube based MPC for tracking of piece-wise constant references. , 2007, , .		22
63	Control of Constrained Discrete-Time Systems With Bounded $\ell_2$ Gain. IEEE Transactions on Automatic Control, 2009, 54, 1105-1111.	5.7	22
64	Fault-tolerant model predictive control. , 2010, , .		22
65	Invariant sets computation for convex difference inclusions systems. Systems and Control Letters, 2012, 61, 819-826.	2.3	22
66	Zonotope-based set-membership estimation for Multi-Output uncertain systems. , 2013, , .		22
67	On the Sample Complexity of Probabilistic Analysis and Design Methods. Lecture Notes in Control and Information Sciences, 2010, , 39-50.	1.0	22
68	A Decomposition Algorithm for Feedback Min-Max Model Predictive Control. IEEE Transactions on Automatic Control, 2006, 51, 1688-1692.	5.7	21
69	MPC for tracking periodic reference signals. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 490-495.	0.4	21
70	Robust tube based MPC for tracking of piece-wise constant references. , 2007, , .		20
71	Robust Model Predictive Controller for Tracking Changing Periodic Signals. IEEE Transactions on Automatic Control, 2017, 62, 5343-5350.	5.7	20
72	Probabilistic performance validation of deep learning-based robust NMPC controllers. International Journal of Robust and Nonlinear Control, 2021, 31, 8855-8876.	3.7	20

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73	Application of an explicit min-max MPC to a scaled laboratory process. Control Engineering Practice, 2005, 13, 1463-1471.	5.5	19
74	Ultimate bounded stability and stabilization of linear systems interconnected with generalized saturated functions. Automatica, 2011, 47, 1473-1481.	5.0	19
75	An Iterative Design Method for Coalitional Control Networks with Constraints on the Shapley Value. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1188-1193.	0.4	19
76	Stable constrained MPC without terminal constraint. , 0, , .		18
77	An algorithm for bounded-error identification of nonlinear systems based on DC functions. Automatica, 2008, 44, 437-444.	5.0	17
78	Slide Window Bounded-Error Time-Varying Systems Identification. IEEE Transactions on Automatic Control, 2016, 61, 2282-2287.	5.7	17
79	Min-max MPC based on an upper bound of the worst case cost with guaranteed stability. Application to a pilot plant. Journal of Process Control, 2011, 21, 194-204.	3.3	16
80	Robust Fault Diagnosis using Paralleloptope-based Set-membership Consistency Tests. , 0, , .		15
81	AN EDUCATIONAL PLANT BASED ON THE QUADRUPLE-TANK PROCESS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 82-87.	0.4	15
82	Robust control of the distributed solar collector field ACUREX using MPC for tracking.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 958-963.	0.4	15
83	Control of a pilot plant using QP based min-max predictive control. Control Engineering Practice, 2009, 17, 1358-1366.	5.5	15
84	Computational burden reduction in min-max MPC. Journal of the Franklin Institute, 2011, 348, 2430-2447.	3.4	15
85	A dynamic programming approach for determining the explicit solution of linear MPC controllers. , 2004, , .		14
86	Application to a drinking water network of robust periodic MPC. Control Engineering Practice, 2016, 57, 50-60.	5.5	14
87	Economic Model Predictive Control with Nonlinear Constraint Relaxation for the Operational Management of Water Distribution Networks. Energies, 2018, 11, 991.	3.1	14
88	Implementation of Model Predictive Control in Programmable Logic Controllers. IEEE Transactions on Control Systems Technology, 2021, 29, 1117-1130.	5.2	14
89	A sequentially optimal randomized algorithm for robust LMI feasibility problems. , 2007, , .		14
90	Improved MPC Design based on Saturating Control Laws*. European Journal of Control, 2005, 11, 112-122.	2.6	13

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91	INTRODUCING LINEAR MATRIX INEQUALITIES IN A CONTROL COURSE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 205-210.	0.4	13
92	Safety verification and adaptive model predictive control of the hybrid dynamics of a fuel cell system. International Journal of Adaptive Control and Signal Processing, 2008, 22, 142-160.	4.1	13
93	Challenges and Future Directions in Pandemic Control. , 2022, 6, 722-727.		13
94	Efficient implementation of constrained min-max model predictive control with bounded uncertainties. , 0, , .		12
95	Robust tube-based MPC for constrained mobile robots under slip conditions. , 2009, , .		12
96	Robust tube-based constrained predictive control via zonotopic set-membership estimation. , 2011, , .		12
97	Economic model predictive control of a smartgrid with hydrogen storage and PEM fuel cell. , 2013, , .		12
98	Implementation of Model Predictive Controllers in Programmable Logic Controllers using IEC 61131-3 standard. , 2018, , .		12
99	Improved sample size bounds for probabilistic robust control design: A pack-based strategy. , 2007, , .		11
100	A robust constrained reference governor approach using linear matrix inequalities. Journal of Process Control, 2009, 19, 773-784.	3.3	11
101	Enhanced ISS nominal MPC based on constraint tightening for constrained linear systems. , 2010, , .		11
102	Zonotopic set-membership estimation for interval dynamic systems. , 2012, , .		11
103	Constraints on the shapley value for a coalitional control system. , 2014, , .		11
104	Offset free data driven control: application to a process control trainer. IET Control Theory and Applications, 2019, 13, 3096-3106.	2.1	11
105	Stock Forecasting Using Local Data. IEEE Access, 2021, 9, 9334-9344.	4.2	11
106	A convex parameterization for solving constrained min-max problems with a quadratic cost. , 2004, , .		10
107	Min-Max MPC based on a network problem. Systems and Control Letters, 2008, 57, 184-192.	2.3	10
108	An Efficient Maximization Algorithm With Implications in Min-Max Predictive Control. IEEE Transactions on Automatic Control, 2008, 53, 2192-2197.	5.7	10

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109	A New Approach for Guaranteed State Estimation by Zonotopes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9242-9247.	0.4	10
110	Computation of polyhedral H-invariant sets for saturated systems. , 2004, , .		9
111	Feedback min-max model predictive control based on a quadratic cost function. , 2006, , .		9
112	On the computation of local invariant sets for nonlinear systems. , 2007, , .		9
113	Towards the practical implementation of min-max nonlinear Model Predictive Control. , 2007, , .		9
114	Model Predictive Control for changing economic targets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 384-391.	0.4	9
115	A Distributed Set-membership Approach based on Zonotopes for Interconnected Systems. , 2018, , .		9
116	Restart FISTA with Global Linear Convergence. , 2019, , .		9
117	Robust MPC of constrained discrete-time nonlinear systems based on uncertain evolution sets: application to a CSTR model. , 0, , .		8
118	Constrained min-max predictive control: a polynomial-time approach. , 0, , .		8
119	Robust MPC control based on a contractive sequence of sets. , 0, , .		8
120	Dynamic Output Feedback for Discrete-Time Systems under Amplitude and Rate Actuator Constraints. , 0, , .		8
121	MPC for tracking with optimal closed-loop performance. , 2008, , .		8
122	Randomized control design through probabilistic validation. , 2012, , .		8
123	Sensor fault detection and diagnosis using zonotopic set-membership estimation. , 2014, , .		8
124	Ellipsoidal state estimation for systems with interval uncertainties. , 2014, , .		8
125	Predictive control of a water distribution system based on process historian data. Optimal Control Applications and Methods, 2020, 41, 571-586.	2.1	8
126	Guaranteed set-membership state estimation of an octorotor's position for radar applications. International Journal of Control, 2020, 93, 2760-2770.	1.9	8



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127	Further Results on "Robust MPC Using Linear Matrix Inequalities" Lecture Notes in Control and Information Sciences, 2009, , 89-98.	1.0	8
128	MPC for Tracking of Constrained Nonlinear Systems. Lecture Notes in Control and Information Sciences, 2009, , 315-323.	1.0	8
129	Predictive control of a Linear Motor for tracking of constant references. , 2006, , .		7
130	Revisiting statistical learning theory for uncertain feasibility and optimization problems. , 2007, , .		7
131	A convex approach for NMPC based on second order Volterra series models. International Journal of Robust and Nonlinear Control, 2015, 25, 3546-3571.	3.7	7
132	Application of Periodic Economic MPC to a Grid-Connected Micro-Grid**The financial support from Ministerio de Economía y Competitividad (Project No. DPI2013-48243-C2-2-R) is gratefully acknowledged.. IFAC-PapersOnLine, 2015, 48, 513-518.	0.9	7
133	Min-Max Model Predictive Control of a pilot plant. , 2008, , .		6
134	A gradient-based strategy for integrating Real Time Optimizer (RTO) with Model Predictive Control (MPC). IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 33-38.	0.4	6
135	MPC implementation in a PLC based on Nesterov's fast gradient method. , 2015, , .		6
136	Guaranteed state estimation and fault detection based on zonotopes for differential-algebraic-equation systems. , 2016, , .		6
137	Set-membership methods applied to FDI and FTC. International Journal of Adaptive Control and Signal Processing, 2016, 30, 150-153.	4.1	6
138	Distributed Zonotopic Set-Membership State Estimation based on Optimization Methods with Partial Projection **This work has been partially funded by the Spanish Government and FEDER through the projects CICYT ECOCIS (ref. DPI2013-48243), CICYT HARCRCIS (ref. DPI2014-58104-R) and CICYT DEOCS (ref.) Tj ETQq0 0 0rgBT /Over	0.8	6
139	Data Driven Control: An Offset Free Approach. , 2019, , .		6
140	Ellipsoidal set-membership state estimation for descriptor systems. , 2019, , .		6
141	Computationally efficient stochastic MPC: a probabilistic scaling approach. , 2020, , .		6
142	Prediction Error Quantification Through Probabilistic Scaling. , 2022, 6, 1118-1123.		6
143	On the Computation of Robust Control Invariant Sets for Piecewise Affine Systems. , 2007, , 131-139.		6
144	Interval Arithmetic in Robust Nonlinear MPC. , 2007, , 317-326.		6

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145	State-Space Kriging: A Data-Driven Method to Forecast Nonlinear Dynamical Systems. , 2022, 6, 2258-2263.		6
146	ENLARGING THE DOMAIN OF ATTRACTION OF MPC CONTROLLER USING INVARIANT SETS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 47-52.	0.4	5
147	A Decomposition Algorithm for Feedback Min-Max Model Predictive Control. , 0, , .		5
148	SYNTHESIS OF ROBUST SATURATED CONTROLLERS: AN SNS-APPROACH. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 477-482.	0.4	5
149	Enhanced robust NMPC based on nominal predictions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 220-225.	0.4	5
150	Integrating the RTO in the MPC: An adaptive gradient-based approach. , 2013, , .		5
151	Safe approximations of chance constrained sets by probabilistic scaling. , 2019, , .		5
152	Min max MPC based on a graph problem. , 0, , .		4
153	Robust MPC of constrained discrete-time nonlinear systems based on zonotopes. , 2003, , .		4
154	Model predictive control of partially fading memory systems with binary inputs. Journal of Process Control, 2018, 64, 141-151.	3.3	4
155	Robust Design Through Probabilistic Maximization. Systems and Control: Foundations and Applications, 2018, , 247-274.	0.3	4
156	Gradient Based Restart FISTA. , 2019, , .		4
157	Single harmonic based Model Predictive Control for tracking. , 2019, , .		4
158	Tracking Model Predictive Control. , 2021, , 2336-2345.		4
159	Probabilistic reachable and invariant sets for linear systems with correlated disturbance. Automatica, 2021, 132, 109808.	5.0	4
160	Chance-constrained sets approximation: A probabilistic scaling approach. Automatica, 2022, 137, 110108.	5.0	4
161	Adaptive Model Predictive Control of the Hybrid Dynamics of a Fuel Cell System. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	3
162	An algorithm with low computational requirements to constrain the Shapley value in coalitional networks. , 2015, , .		3

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163	Fault tolerant control approach based on multiple models and set-membership state estimation. , 2016, , .		3
164	Robust model predictive controller for tracking periodic signals. , 2016, , .		3
165	Periodic economic model predictive control with nonlinear-constraint relaxation for water distribution networks. , 2016, , .		3
166	Zonotopic Constrained Kalman Filter Based on a Dual Formulation. , 2018, , .		3
167	Historian Data Based Predictive Control of a Water Distribution Network. , 2018, , .		3
168	A probabilistic validation approach for penalty function design in Stochastic Model Predictive Control. IFAC-PapersOnLine, 2020, 53, 11271-11276.	0.9	3
169	On the computation of invariant sets for constrained nonlinear systems: An interval arithmetic approach. , 2003, , .		3
170	Harmonic Based Model Predictive Control for Set-Point Tracking. IEEE Transactions on Automatic Control, 2022, 67, 48-62.	5.7	3
171	Implementation of Model Predictive Control for Tracking in Embedded Systems Using a Sparse Extended ADMM Algorithm. IEEE Transactions on Control Systems Technology, 2022, 30, 1798-1805.	5.2	3
172	Efficient implementation of min-max model predictive control with bounded uncertainties. , 0, , .		2
173	An efficient maximization algorithm with implications in min-max predictive control. , 2003, , .		2
174	Bounded error identification of systems with time-varying parameters. , 2004, , .		2
175	Min-Max MPC using a tractable QP Problem. , 0, , .		2
176	Robust tubed-based MPC for tracking applied to the quadruple-tank process. , 2008, , .		2
177	Design of ISS-Lyapunov Functions for Discrete-Time Linear Uncertain Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1135-1140.	0.4	2
178	Model Predictive Control techniques for Hybrid Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1-13.	0.4	2
179	Análisis y minimización del riesgo de rotura de stock aplicado a la gestión en farmacia hospitalaria. Farmacia Hospitalaria, 2012, 36, 130-134.	0.6	2
180	Application to a large-scale drinking water network of robust MPC for tracking periodic references. , 2016, , .		2

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181	Receding Horizon Optimization of Large Trade Orders. IEEE Access, 2021, 9, 63865-63875.	4.2	2
182	Probabilistically Certified Management of Data Centers Using Predictive Control. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2849-2861.	5.2	2
183	Improved MPC design based on saturating control laws. , 2003, , .		2
184	Output Feedback for Discrete-Time Systems with Amplitude and Rate Constrained Actuators. Lecture Notes in Control and Information Sciences, 2007, , 369-396.	1.0	2
185	Commande prédictive robuste par des techniques d'observateurs basées sur des ensembles zonotopiques. Journal Europeen Des Systemes Automatisés, 2012, 46, 235-250.	0.4	2
186	Tractable robust MPC design based on nominal predictions. Journal of Process Control, 2022, 111, 75-85.	3.3	2
187	Robust stability and structured uncertainty bounded by the Euclidean norm. International Journal of Robust and Nonlinear Control, 2001, 11, 749-770.	3.7	1
188	An off line algorithm for reducing the computational burden of a MPC min max controller. , 0, , .		1
189	COMPUTATIONALLY EFFICIENT MIN-MAX MPC. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 462-467.	0.4	1
190	A PREDICTION APPROACH TO INTRODUCE DEAD-TIME PROCESS CONTROL IN A BASIC CONTROL COURSE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 211-216.	0.4	1
191	A JAVA BASED SIMULATOR FOR BASIC CONTROL EDUCATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 481-486.	0.4	1
192	ROBUST FAULT DETECTION BASED ON ZONOTOPE-BASED SET-MEMBERSHIP PARAMETER CONSISTENCY TEST. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1056-1061.	0.4	1
193	Piecewise Affine Model of a Fuel Cell for Safety Verification. Proceedings of the American Control Conference, 2007, , .	0.0	1
194	A convex approximation of the feasible solution set for nonlinear bounded-error identification problems. , 2007, , .		1
195	New Methods for Computing the Terminal Cost for Min-max Model Predictive Control. Proceedings of the American Control Conference, 2007, , .	0.0	1
196	Discussion on: "GPC Robust Design Using Linear and/or Bilinear Matrix Inequalities". European Journal of Control, 2007, 13, 470-472.	2.6	1
197	Robust GPC-QFT approach using Linear Matrix Inequalities. , 2007, , .		1
198	Robust tube based model predictive control for constrained systems with dead-time. , 2010, , .		1

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199	A Polynomial Matrix Inequality approach for zonotopic set-membership estimation of multivariable systems. , 2012, , .		1
200	Combined stochastic and deterministic interval predictor for time-varying systems. , 2015, , .		1
201	Discussion on: GPC Robust Design Using Linear and/or Bilinear Matrix Inequalities. European Journal of Control, 2007, 13, 468-472.	2.6	1
202	Probabilistic interval predictor based on dissimilarity functions. IEEE Transactions on Automatic Control, 2021, , 1-1.	5.7	1
203	Real-time implementation of MPC for tracking in embedded systems: Application to a two-wheeled inverted pendulum. , 2021, , .		1
204	SMALL-SCALE DOMOTIC SYSTEM AS PROTOTYPE OF REMOTE CYBERNETIC APPLICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 499-504.	0.4	0
205	Min-Max predictive control of a pilot plant using a QP approach. , 2008, , .		0
206	Dynamic model of the relationships between technology and employment. , 2009, , .		0
207	Randomized Algorithms and their application to renewable energy systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 163-168.	0.4	0
208	A convex approach for NMPC based on second order Volterra series models. , 2010, , .		0
209	Modeling of a hybrid renewable/fossil hot water production system. , 2010, , .		0
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