Daniel Sarabia

List of Publications by Year in descending order

38 papers	**380** citations	932766 **10** h-index	794141 **19** g-index
43 all docs	**43** docs citations	**43** times ranked	**311** citing authors

#	Article	IF	Citations
1	Hybrid NMPC of supermarket display cases. Control Engineering Practice, 2009, 17, 428-441.	3.2	62
2	Improving scenario decomposition algorithms for robust nonlinear model predictive control. Computers and Chemical Engineering, 2015, 79, 30-45.	2.0	39
3	Aeration control of a wastewater treatment plant using hybrid NMPC. Computers and Chemical Engineering, 2011, 35, 638-650.	2.0	37
4	Data reconciliation and optimal management of hydrogen networks in a petrol refinery. Control Engineering Practice, 2012, 20, 343-354.	3.2	31
5	A strategy for predictive control of a mixed continuous batch process. Journal of Process Control, 2009, 19, 123-137.	1.7	27
6	Integration of RTO and MPC in the Hydrogen Network of a Petrol Refinery. Processes, 2017, 5, 3.	1.3	19
7	A method to coordinate decentralized NMPC controllers in oxygen distribution networks. Computers and Chemical Engineering, 2013, 59, 122-137.	2.0	18
8	Plantâ€wide control of a hybrid process. International Journal of Adaptive Control and Signal Processing, 2008, 22, 124-141.	2.3	17
9	Hybrid Control of a Supermarket Refrigeration Systems. Proceedings of the American Control Conference, 2007, , .	0.0	16
10	Natureâ€"Culture Relations: Early Globalization, Climate Changes, and System Crisis. Sustainability, 2016, 8, 78.	1.6	14
11	Gross error management in data reconciliation. IFAC-PapersOnLine, 2015, 48, 623-628.	0.5	12
12	On-Line Scheduling and Control of a Mixed Continuousâˆ'Batch Plant. Industrial & Engineering Chemistry Research, 2011, 50, 5041-5049.	1.8	10
13	A comparison between two methods of stochastic optimization for a dynamic hydrogen consuming plant. Computers and Chemical Engineering, 2014, 63, 219-233.	2.0	10
14	Implementation of RTO in a large hydrogen network considering uncertainty. Optimization and Engineering, 2019, 20, 1161-1190.	1.3	10
15	Shared Resources Management by Price Coordination. Computer Aided Chemical Engineering, 2012, 30, 902-906.	0.3	7
16	Hybrid control of a mixed continuous-batch process. Computer Aided Chemical Engineering, 2004, , 739-744.	0.3	5
17	An efficient distributed algorithm for multi-stage robust nonlinear predictive control. , 2015, , .		5
18	Validation of a hydrogen network RTO application for decision support of refinery operators. IFAC-PapersOnLine, 2018, 51, 73-78.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Gemelos Digitales en la Industria de Procesos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 285-296.	0.6	5
20	Two-Stage Stochastic Optimization of a hydrogen network. IFAC-PapersOnLine, 2018, 51, 263-268.	0.5	4
21	Hybrid Predictive Control of a Simulated Continuous-Batch Process. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	3
22	Handling Infeasibilities in Dual Modifier-Adaptation Methodology for Real-Time Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 537-542.	0.4	3
23	Predictive Simulation Applied to Refinery Hydrogen Networks for Operatorsâ€™ Decision Support. IFAC-PapersOnLine, 2019, 52, 862-867.	0.5	3
24	Real-time reconciled simulation as decision support tool for process operation. Journal of Process Control, 2021, 100, 41-64.	1.7	3
25	Hybrid model predictive control of a sugar end section. Computer Aided Chemical Engineering, 2006, 21, 1269-1274.	0.3	2
26	Modelling and Optimization of Natural Gas Networks. Computer Aided Chemical Engineering, 2014, 33, 367-372.	0.3	2
27	Modifier-Adaptation methodology for RTO applied to distillation columns using a simplified steady-state model. , 2016, , .		2
28	Hybrid Predictive Control of Supermarket Refrigeration Systems: an Optimal Time Switching Strategy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10916-10922.	0.4	1
29	Laboratory Plant of a Gas Distribution Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 390-395.	0.4	1
30	Resource efficiency indicators usefulness for decision-making process of operators: refinery hydrogen network case study. Computer Aided Chemical Engineering, 2017, 40, 1513-1518.	0.3	1
31	A Reduced-Order Approach of Distributed Parameter Models Using Proper Orthogonal Decomposition. Computer Aided Chemical Engineering, 2011, , 26-30.	0.3	1
32	Feasibility study for implementing model based predictive control in a Programmable Electronic Device. , 2011, , .		0
33	ARTISTIC SCRIPTS, NARRATIVES, AND THE THEATRE: IDENTITY CONSTRUCTION PROCESSES IN THE MEXICAN-AMERICAN CIVIL RIGHTS MOVEMENT. Sociological Spectrum, 2011, 31, 637-664.	1.0	0
34	Implementing optimal hydrogen networks management. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 114-119.	0.4	0
35	Distributed Stochastic Optimization of a Process Plant Start-up. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2734-2739.	0.4	0
36	Modifier Adaptation using transient measurements to compute plant gradients *. , 2018, , .		0

#	Article	IF	Citations
37	YOUNG STEM ONLINE TRAINING IN CONTROL ENGINEERING. , 2021, , .		0
38	Robust NMPC of a Hydrodesulfuration Unit Using Multi-stage Stochastic Programing. Computer Aided Chemical Engineering, 2014, 33, 793-798.	0.3	0