

Lino O Santos

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

389
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	On-line implementation of nonlinear MPC: an experimental case study. Control Engineering Practice, 2001, 9, 847-857.	5.5	95
2	Unscented Kalman Filtering of a Simulated pH System. Industrial & Engineering Chemistry Research, 2004, 43, 7531-7538.	3.7	58
3	A robust multi-model predictive controller for distributed parameter systems. Journal of Process Control, 2012, 22, 60-71.	3.3	45
4	Mechanism of supplemental activator and reducing agent atom transfer radical polymerization mediated by inorganic sulfites: experimental measurements and kinetic simulations. Polymer Chemistry, 2017, 8, 6506-6519.	3.9	25
5	Nonlinear model predictive control of biodiesel production via transesterification of used vegetable oils. Journal of Process Control, 2013, 23, 1471-1479.	3.3	23
6	A tool to analyze robust stability for model predictive controllers. Journal of Process Control, 1999, 9, 233-246.	3.3	21
7	Application of agent technology concepts to the design of a fault-tolerant control system. Control Engineering Practice, 2007, 15, 459-469.	5.5	19
8	First principle modeling and predictive control of a continuous biodiesel plant. Journal of Process Control, 2016, 47, 11-21.	3.3	16
9	Dynamics of quality improvement programs – Optimal investment policies. Computers and Industrial Engineering, 2016, 91, 215-228.	6.3	16
10	Modeling the effect of mixing in biodiesel production. Bioresource Technology, 2011, 102, 6508-6514.	9.6	15
11	A tool to analyze robust stability for constrained nonlinear MPC. Journal of Process Control, 2008, 18, 383-390.	3.3	11
12	Optimal sizing, scheduling and shift policy of the grinding section of a ceramic tile plant. Computers and Operations Research, 2009, 36, 1825-1834.	4.0	10
13	RELIABLE AND EFFICIENT OPTIMIZATION STRATEGIES FOR NONLINEAR MODEL PREDICTIVE CONTROL. , 1995, , 33-38.		9
14	Daedalus Modeling Framework: Building First-Principle Dynamic Models. Industrial & Engineering Chemistry Research, 2017, 56, 3332-3346.	3.7	7
15	Optimal Production and Inventory Policy in a Multiproduct Bakery Unit. Processes, 2021, 9, 101.	2.8	4
16	A Nonlinear Model Predictive Control Framework as Free Software: Outlook and Progress Report. , 2007, , 229-238.		4
17	A Tool to Analyze Robust Stability for Constrained MPC. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 487-492.	0.4	2
18	Nonlinear model predictive control of fed-batch cultures of micro-organisms exhibiting overflow metabolism. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Application of MCSFilter to estimate stiction control valve parameters. AIP Conference Proceedings, 2017, , .	0.4	2
20	Parameter estimation of a pulp digester model with derivative-free optimization strategies. AIP Conference Proceedings, 2017, , .	0.4	2
21	Parameter Estimation of the Kinetic α -Pinene Isomerization Model Using the MCSFilter Algorithm. Lecture Notes in Computer Science, 2018, , 624-636.	1.3	2
22	Modeling and nonlinear MPC of a dividing-wall column for separation of Benzene-Toluene-p-Xylene: a simulation case study. Computer Aided Chemical Engineering, 2017, 40, 1615-1620.	0.5	1
23	A system for chemical process control and supervision based on real-time Linux. Computer Aided Chemical Engineering, 2003, , 1346-1351.	0.5	0