Joaquim Armengol

List of Publications by Year
in descending order

24 papers	**440** citations	1163117 **8** h-index	888059 **17** g-index
31 all docs	**31** docs citations	**31** times ranked	**430** citing authors

#	Article	IF	Citations
1	FDI Approach. , 2019, , 69-95.		0
2	A review of personalized blood glucose prediction strategies for T1DM patients. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2833.	2.1	195
3	Modal Interval Analysis. Lecture Notes in Mathematics, 2014, , .	0.2	19
4	Intervals. Lecture Notes in Mathematics, 2014, , 1-16.	0.2	1
5	Interval Arithmetic. Lecture Notes in Mathematics, 2014, , 121-141.	0.2	1
6	Some Related Problems. Lecture Notes in Mathematics, 2014, , 265-305.	0.2	0
7	Equations and Systems. Lecture Notes in Mathematics, 2014, , 143-158.	0.2	0
8	Robust Fault Detection System for Insulin Pump Therapy Using Continuous Glucose Monitoring. Journal of Diabetes Science and Technology, 2012, 6, 1131-1141.	2.2	48
9	SQualTrack: A Tool for Robust Fault Detection. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 475-488.	5.0	12
10	Continuous minimax optimization using modal intervals. Journal of Mathematical Analysis and Applications, 2008, 339, 18-30.	1.0	17
11	Fault diagnosis by refining the parameter uncertainty space of nonlinear dynamic systems. , 2008, , .		0
12	Constraint Satisfaction Techniques under uncertain conditions for Fault Diagnosis in Nonlinear Dynamic Systems. , 2008, , .		1
13	DIAGNOSIS BASED ON INTERVAL ANALYTICAL REDUNDANCY RELATIONS AND SIGNS OF THE SYMPTOMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 135-140.	0.4	1
14	Robust fault detection using consistency techniques for uncertainty handling. , 2007, , .		4
15	A Hybrid Method for Fault Detection and Modelling using Modal Intervals and ANFIS. Proceedings of the American Control Conference, 2007, , .	0.0	4
16	An Interval Intelligent-based Approach for Fault Detection and Modelling. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	0
17	PARAMETER IDENTIFICATION WITH QUANTIFIERS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 707-712.	0.4	1
18	COMBINING INTERVAL AND QUALITATIVE REASONING FOR FAULT DIAGNOSIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 215-220.	0.4	0

#	Article	IF	Citations
19	Fault Detection in a Pilot Plant Using Interval Models and Multiple Sliding Time Windows. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 681-686.	0.4	5
20	Fault detection and isolation of the three-tank system using the modal interval analysis. Journal of Process Control, 2002, 12, 325-338.	3.3	48
21	Digital control via interval analysis. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 203-212.	1.1	7
22	Title is missing!. Reliable Computing, 2001, 7, 171-185.	0.8	23
23	Analysis of the Robustness of Predictive Controllers via Modal Intervals. Reliable Computing, 2000, 6, 281-301.	0.8	8
24	A Survey on Interval Model Simulators and their Properties Related to Fault Detection. Annual Reviews in Control, 2000, 24, 31-39.	7.9	43