Rosa M FernÃ¡ndez CantÃ-

List of Publications by Year
in descending order

21 papers	**415** citations	1040056 **9** h-index	1281871 **11** g-index
23 all docs	**23** docs citations	**23** times ranked	**357** citing authors

#	Article	IF	Citations
1	Leak localization in water distribution networks using Bayesian classifiers. Journal of Process Control, 2017, 55, 1-9.	3.3	96
2	Leak localization in water distribution networks using a mixed model-based/data-driven approach. Control Engineering Practice, 2016, 55, 162-173.	5.5	81
3	Robust fault diagnosis of proton exchange membrane fuel cells using a Takagi-Sugeno interval observer approach. International Journal of Hydrogen Energy, 2016, 41, 2875-2886.	7.1	62
4	Sensor placement for classifier-based leak localization in water distribution networks using hybrid feature selection. Computers and Chemical Engineering, 2018, 108, 152-162.	3.8	32
5	Set‐membership parity space approach for fault detection in linear uncertain dynamic systems. International Journal of Adaptive Control and Signal Processing, 2016, 30, 186-205.	4.1	25
6	Fault detection and isolation for a wind turbine benchmark using a mixed Bayesian/Set-membership approach. Annual Reviews in Control, 2015, 40, 59-69.	7.9	23
7	Leak Localization Method for Water-Distribution Networks Using a Data-Driven Model and Dempster‐Shafer Reasoning. IEEE Transactions on Control Systems Technology, 2021, 29, 937-948.	5.2	20
8	Data-Driven Approach for Leak Localization in Water Distribution Networks Using Pressure Sensors and Spatial Interpolation. Water (Switzerland), 2019, 11, 1500.	2.7	19
9	Multiplatform virtual laboratory for engineering education. , 2012, , .		16
10	Set-membership identification and fault detection using a Bayesian framework. International Journal of Systems Science, 2016, 47, 1710-1724.	5.5	11
11	Nonlinear set-membership identification and fault detection using a Bayesian framework: Application to the wind turbine benchmark. , 2013, , .		7
12	Non‐linear set‐membership identification approach based on the Bayesian framework. IET Control Theory and Applications, 2015, 9, 1392-1398.	2.1	6
13	Leak localization in water distribution networks using model-based Bayesian reasoning. , 2016, , .		5
14	Monitoring and remote control of energy consumption by WiFi networks. , 2014, , .		4
15	Incremental upgrading sensor placement methodology: Application to the leak localization in water networks. Computers and Chemical Engineering, 2022, 158, 107642.	3.8	4
16	Set-membership identification and fault detection using a bayesian framework. , 2013, , .		2
17	Optimal sensor placement for classifier-based leak localization in drinking water networks. , 2016, , .		2
18	An Open Source Multiplatform Virtual Laboratory for Engineering Education. International Journal of Online and Biomedical Engineering, 2012, 8, 50.	1.4	0

#	Article	IF	Citations
19	Set-membership identification: Bayesian approach vs subpavings approach. , 2013, , .		0
20	Nonlinear set-membership identification using a Bayesian approach. , 2014, , .		0
21	Pumps condition assessment in water distribution networks. IFAC-PapersOnLine, 2018, 51, 662-667.	0.9	0