Pericles R Barros

List of Publications by Year
in descending order

19 papers	121 citations	1478505 6 h-index	1372567 10 g-index
19 all docs	19 docs citations	19 times ranked	61 citing authors

#	Article	IF	Citations
1	An Iterative Closed-Loop Identification Method for Continuous-Time FOPDT Model Using Equality Constraints. Journal of Control, Automation and Electrical Systems, 2022, 33, 664-676.	2.0	0
2	A data-driven approach to MIMO PID tuning via LMI constraints. IFAC-PapersOnLine, 2021, 54, 573-578.	0.9	0
3	Evaluation and Redesign of the Inverted Decoupler: Open and Closed-loop Approaches. International Journal of Control, Automation and Systems, 2020, 18, 1435-1444.	2.7	3
4	SISO approaches for linear programming based methods for tuning decentralized PID controllers. Journal of Process Control, 2020, 94, 75-96.	3.3	23
5	An Iterative Procedure for Tuning Decentralized PID Controllers based on Effective Open-loop Process. , 2020, , .		4
6	A Robust Relay Feedback Structure for Processes Under Disturbances: Analysis and Applications. Journal of Control, Automation and Electrical Systems, 2019, 30, 850-863.	2.0	8
7	Application of a Robust Relay Feedback Structure for TITO Processes. , 2018, , .		2
8	A relay feedback structure for processes under static disturbances or drift. , 2017, , .		3
9	Modeling and control of a XY positioning table. , 2016, , .		1
10	Identification of Time-Delay Systems: a State-Space Realization Approach. IFAC-PapersOnLine, 2015, 48, 254-259.	0.9	9
11	Iterative Procedure for Tuning Decentralized PID Controllers. IFAC-PapersOnLine, 2015, 48, 1180-1185.	0.9	5
12	Time and Frequency Performance Assessment of IMC PI Control Loops. IFAC-PapersOnLine, 2015, 48, 391-396.	0.9	6
13	Dynamic output feedback control of constrained descriptor systems. Transactions of the Institute of Measurement and Control, 2013, 35, 1129-1138.	1.7	4
14	Performance assessment and redesign of PI controllers with pulse excitations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 560-565.	0.4	1
15	Design of Observers With Error Limitation in Discrete-Time Descriptor Systems: A Case Study of a Hydraulic Tank System. IEEE Transactions on Control Systems Technology, 2012, 20, 1041-1047.	5.2	24
16	Evaluation and redesign of decouplers for TITO processes using relay experiment. , 2011, , .		3
17	A Flexible Laboratory-Scale Quadruple-Tank Coupled System for Control Education and Research Purposes. Computer Aided Chemical Engineering, 2009, , 2151-2156.	0.5	5
18	On Simple Identification Techniques for First-Order plus Time-Delay Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 605-610.	0.4	9

#	Article	IF	Citations
19	Continuous-time identification of first-order plus dead-time models from step response in closed loop. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 393-398.	0.4	11