Antonio Gonzalez Sorribes

List of Publications by Year
in descending order

23 papers	284 citations	933410 10 h-index	940516 16 g-index
24 all docs	24 docs citations	24 times ranked	290 citing authors

#	Article	IF	Citations
1	A weighted distributed predictor-feedback control synthesis for interconnected time delay systems. Information Sciences, 2021, 543, 367-381.	6.9	6
2	A novel observer-predictor control for uncertain systems with unknown time-varying input and output delays. International Journal of Control, 2021, 94, 1630-1640.	1.9	8
3	Output-feedback anti-disturbance predictor-based control for discrete-time systems with time-varying input delays. Automatica, 2021, 129, 109627.	5.0	12
4	Robust stability analysis of an energy-efficient control in a Networked Control System with application to unmanned ground vehicles. Information Sciences, 2021, 578, 64-84.	6.9	13
5	A novel descriptor redundancy method based on delay partition for exponential stability of time delay systems. International Journal of Systems Science, 2021, 52, 1707-1718.	5.5	3
6	Distributed Relative Localization Using the Multidimensional Weighted Centroid. IEEE Transactions on Control of Network Systems, 2020, 7, 1272-1282.	3.7	3
7	Predictor-feedback synthesis in coordinate-free formation control under time-varying delays. Automatica, 2020, 113, 108811.	5.0	8
8	Weighted predictor–feedback formation control in local frames under time–varying delays and switching topology. International Journal of Robust and Nonlinear Control, 2020, 30, 3484-3500.	3.7	4
9	Robust stability analysis of formation control in local frames under time-varying delays and actuator faults. Journal of the Franklin Institute, 2019, 356, 1131-1153.	3.4	9
10	Robust stabilization of time-varying delay systems with predictor-observer based controller. IFAC-PapersOnLine, 2019, 52, 213-218.	0.9	5
11	Event-triggered predictor-based control with gain-Scheduling and extended state observer for networked control systems. Information Sciences, 2019, 491, 90-108.	6.9	32
12	Formation control synthesis in local frames under communication delays and switching topology: An LMI approach. , 2019, , .		1
13	Enhanced Predictor-Based Control Synthesis for Discrete-Time TS Fuzzy Descriptor Systems With Time-Varying Input Delays. IEEE Transactions on Fuzzy Systems, 2019, 27, 402-410.	9.8	11
14	Gain-scheduled predictive extended state observer for time-varying delays systems with mismatched disturbances. ISA Transactions, 2019, 84, 206-213.	5.7	16
15	An improved robust state-feedback H<inf>â˜ž</inf> control synthesis for uncertain discrete-time singular systems. , 2018, , .		0
16	Stability analysis of nonholonomic multiagent coordinate–free formation control subject to communication delays. International Journal of Robust and Nonlinear Control, 2018, 28, 4121-4138.	3.7	10
17	Gain-scheduled <i>H</i>_{â˜ž} admissibilisation of LPV discrete-time systems with LPV singular descriptor. International Journal of Systems Science, 2017, 48, 3215-3224.	5.5	10
18	Time delay compensation based on Smith Predictor in multiagent formation control. IFAC-PapersOnLine, 2017, 50, 11645-11651.	0.9	11

#	Article	IF	Citations
19	An improved robust stabilization method for discrete-time fuzzy systems with time-varying delays. Journal of the Franklin Institute, 2014, 351, 5148-5161.	3.4	22
20	LK stability analysis of predictor-based controllers for discrete-time systems with time-varying actuator delay. Systems and Control Letters, 2013, 62, 764-769.	2.3	13
21	Robust stabilization of linear discrete-time systems with time-varying input delay. Automatica, 2013, 49, 2919-2922.	5.0	29
22	Robustness analysis of discrete predictor-based controllers for input-delay systems. International Journal of Systems Science, 2013, 44, 232-239.	5.5	23
23	Robust stability analysis of filtered Smith predictor for time-varying delay processes. Journal of Process Control, 2012, 22, 1975-1984.	3.3	34