

Pedro Garc a

List of Publications by Year in descending order

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all docs

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docs citations

35
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictor-Based Control of a Class of Time-Delay Systems and Its Application to Quadrotors. IEEE Transactions on Industrial Electronics, 2017, 64, 459-469.	7.9	110
2	Disturbance observer-based quadrotor attitude tracking control for aggressive maneuvers. Control Engineering Practice, 2019, 82, 14-23.	5.5	108
3	Robust control design for long time-delay systems. Journal of Process Control, 2009, 19, 1640-1648.	3.3	80
4	Control of unstable non-minimum-phase delayed systems. Journal of Process Control, 2006, 16, 1099-1111.	3.3	60
5	Enhanced disturbance rejection for a predictor-based control of LTI systems with input delay. Automatica, 2016, 72, 205-208.	5.0	60
6	Robust tuning of a generalized predictor-based controller for integrating and unstable systems with long time-delay. Journal of Process Control, 2013, 23, 1205-1216.	3.3	57
7	Robust Control of Quadrotors Based on an Uncertainty and Disturbance Estimator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	1.6	52
8	A new dead-time compensator to control stable and integrating processes with long dead-time. Automatica, 2008, 44, 1062-1071.	5.0	51
9	New Predictor and 2DOF Control Scheme for Industrial Processes With Long Time Delay. IEEE Transactions on Industrial Electronics, 2018, 65, 4247-4256.	7.9	43
10	Interactive tool for analysis of time-delay systems with dead-time compensators. Control Engineering Practice, 2008, 16, 824-835.	5.5	39
11	Dead-time-compensator for unstable MIMO systems with multiple time delays. Journal of Process Control, 2010, 20, 877-884.	3.3	34
12	Robust stability analysis of filtered Smith predictor for time-varying delay processes. Journal of Process Control, 2012, 22, 1975-1984.	3.3	34
13	Observation and stabilization of LTV systems with time-varying measurement delay. Automatica, 2019, 103, 573-579.	5.0	32
14	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
15	Predictor-observer-based control of systems with multiple input/output delays. Journal of Process Control, 2012, 22, 1350-1357.	3.3	29
16	Robustness analysis of discrete predictor-based controllers for input-delay systems. International Journal of Systems Science, 2013, 44, 232-239.	5.5	23
17	A Non-Uniform Predictor-Observer for a Networked Control System. International Journal of Control, Automation and Systems, 2011, 9, 1194-1202.	2.7	16
18	Robust controller design for input-delayed systems using predictive feedback and an uncertainty estimator. International Journal of Robust and Nonlinear Control, 2017, 27, 1826-1840.	3.7	16

#	ARTICLE	IF	CITATIONS
19	Gain-scheduled predictive extended state observer for time-varying delays systems with mismatched disturbances. ISA Transactions, 2019, 84, 206-213.	5.7	16
20	Analytical design of a generalised predictor-based control scheme for low-order integrating and unstable systems with long time delay. IET Control Theory and Applications, 2016, 10, 884-893.	2.1	13
21	Output-feedback anti-disturbance predictor-based control for discrete-time systems with time-varying input delays. Automatica, 2021, 129, 109627.	5.0	12
22	Predicting the future state of disturbed LTI systems: A solution based on high-order observers. Automatica, 2021, 124, 109365.	5.0	7
23	Disturbance rejection in process control. , 2014, , .		5
24	A predictive extended state observer for a class of nonlinear systems with input delay subject to external disturbances. , 2017, , .		5
25	Disturbance rejection: A central issue in process control. , 2015, , .		4
26	Two-Degree-of-Freedom PID Tuning Based on an Uncertainty and Disturbance Estimator *. , 2018, , .		3
27	Optimal control of unstable input/output time-delayed systems. Optimal Control Applications and Methods, 2012, 33, 445-460.	2.1	2
28	Control of input/output delayed and disturbed unstable plants. , 2015, , .		2
29	Some contributions to the design of dead-time compensators. , 2016, , .		2
30	Dead-time compensator for multi time-delay systems: The scalar case. , 2017, , .		2
31	Analysis and experimental application of a dead-time compensator for input saturated processes with output time-varying delays. IET Control Theory and Applications, 2021, 15, 580-593.	2.1	2
32	A predictor-observer for a Networked Control System with time-varying delays and non-uniform sampling. , 2009, , .		2
33	Decoupling MIMO systems with multiple input/output time delays. , 2010, , .		1
34	Stability analysis of linear systems with time-varying state and measurement delays. , 2014, , .		0
35	Partial control of systems in series. , 2017, , .		0