

Ricardo Sanz

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

687
citations

759190

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1058452

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28
all docs

28
docs citations

28
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Pancreas System With Unannounced Meals Based on a Disturbance Observer and Feedforward Compensation. IEEE Transactions on Control Systems Technology, 2021, 29, 454-460.	5.2	23
2	Robust predictive extended state observer for a class of nonlinear systems with time-varying input delay. International Journal of Control, 2020, 93, 217-225.	1.9	18
3	Observation and stabilization of LTV systems with time-varying measurement delay. Automatica, 2019, 103, 573-579.	5.0	32
4	Robust Compensation of Delay and Diffusive Actuator Dynamics Without Distributed Feedback. IEEE Transactions on Automatic Control, 2019, 64, 3663-3675.	5.7	9
5	Disturbance observer-based quadrotor attitude tracking control for aggressive maneuvers. Control Engineering Practice, 2019, 82, 14-23.	5.5	108
6	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
7	Rejection of mismatched disturbances for systems with input delay via a predictive extended state observer. International Journal of Robust and Nonlinear Control, 2018, 28, 2457-2467.	3.7	28
8	Enhanced extended state observer-based control for systems with mismatched uncertainties and disturbances. ISA Transactions, 2018, 73, 1-10.	5.7	54
9	A generalized smith predictor for unstable time-delay SISO systems. ISA Transactions, 2018, 72, 197-204.	5.7	65
10	Two-Degree-of-Freedom PID Tuning Based on an Uncertainty and Disturbance Estimator *. , 2018, , .		3
11	Compensation of a Class of Infinite-Dimensional Actuator Dynamics without Distributed Feedback. , 2018, , .		1
12	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
13	Robust controller design for inputâ€delayed systems using predictive feedback and an uncertainty estimator. International Journal of Robust and Nonlinear Control, 2017, 27, 1826-1840.	3.7	16
14	Robust Design of the Uncertainty and Disturbance Estimator. IFAC-PapersOnLine, 2017, 50, 8262-8267.	0.9	7
15	A predictive extended state observer for a class of nonlinear systems with input delay subject to external disturbances. , 2017, , .		5
16	A quaternion-based and active disturbance rejection attitude control for quadrotor. , 2016, , .		6
17	Some contributions to the design of dead-time compensators. , 2016, , .		2
18	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

#	ARTICLE	IF	CITATIONS
19	Enhanced disturbance rejection for a predictor-based control of LTI systems with input delay. Automatica, 2016, 72, 205-208.	5.0	60
20	Periodic event-triggered dual-rate control for a networked control system. , 2016, , .		1
21	Control of disturbed systems with measurement delays: Application to quadrotor vehicles. , 2015, , .		0
22	Control of input/output delayed and disturbed unstable plants. , 2015, , .		2
23	Disturbance rejection: A central issue in process control. , 2015, , .		4
24	Active disturbance rejection by state feedback: Experimental validation in a 3-DOF quadrotor platform. , 2015, , .		8
25	Attitude Estimation using Low-Cost Sensors: a comparative analysis. , 2014, , .		5
26	A 2DOF state feedback MRAC control of an electromechanical system. , 2014, , .		0
27	Improving attitude estimation using inertial sensors for quadrotor control systems. , 2014, , .		13
28	Time-optimal vehicle posture control to mitigate unavoidable collisions using conventional control inputs. , 2013, , .		12