

Martín Velasco-Villa

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

134
citations

1162367

8
h-index

1199166

12
g-index

18
all docs

18
docs citations

18
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	PD–PID controller for delayed systems with two unstable poles: a frequency domain approach. International Journal of Control, 2019, 92, 1196-1208.	1.2	21
2	Trajectory Tracking for a Wheeled Mobile Robot Using a Vision Based Positioning System and an Attitude Observer. European Journal of Control, 2012, 18, 348-355.	1.6	19
3	On the Control of Unstable First Order Linear Systems with Large Time Lag: Observer Based Approach. European Journal of Control, 2012, 18, 439-451.	1.6	13
4	Leader-Follower Formation for Nonholonomic Mobile Robots: Discrete-Time Approach. International Journal of Advanced Robotic Systems, 2016, 13, 46.	1.3	13
5	Prediction-Based Control for Nonlinear Systems with Input Delay. Mathematical Problems in Engineering, 2017, 2017, 1-11.	0.6	11
6	Model Approximation for Dead-Time Recycling Systems. Industrial & Engineering Chemistry Research, 2005, 44, 4336-4343.	1.8	10
7	Observer-Based PID for the stabilization of high-order unstable delayed systems with possible complex conjugate poles. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 687-699.	0.8	10
8	Delayed Consensus Problem for Single and Double Integrator Systems. Mathematical Problems in Engineering, 2015, 2015, 1-15.	0.6	10
9	Chain formation control for a platoon of robots using time-gap separation. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877085.	1.3	7
10	Observer-Based Smith Prediction Scheme for Unstable Plus Time Delay Processes. Industrial & Engineering Chemistry Research, 2007, 46, 4906-4913.	1.8	6
11	Design and Real-Time Control of a 4-DOF Biped Robot. International Journal of Advanced Robotic Systems, 2013, 10, 312.	1.3	4
12	Observer-Based PID Control Strategy for the Stabilization of Delayed High Order Systems with up to Three Unstable Poles. Mathematics, 2022, 10, 1399.	1.1	4
13	Observer-Based Time-Variant Spacing Policy for a Platoon of Non-Holonomic Mobile Robots. Sensors, 2021, 21, 3824.	2.1	2
14	SYNCHRONIZATION STRATEGY FOR DIFFERENTIALLY DRIVEN MOBILE ROBOTS: DISCRETE-TIME APPROACH. International Journal of Robotics and Automation, 2015, 30, .	0.1	2
15	Consensus Problem for Linear Time-Invariant Systems with Time-Delay. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	1
16	Observer-Based PD Controller for a Class of High Order Linear Unstable Delayed Systems. IEEE Latin America Transactions, 2022, 20, 291-300.	1.2	1
17	On the stabilization of high order systems with two unstable poles plus time delay. , 2012, , .		0
18	Quadcopter Smooth-Saturated Robust Backstepping Control. , 2016, , .		0