

Manuel Mera

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Practical output feedback stabilisation for a class of continuous-time dynamic systems under sample-data outputs. International Journal of Control, 2011, 84, 1408-1416.	1.2	36
2	A sliding-mode based controller for trajectory tracking of perturbed Unicycle Mobile Robots. Control Engineering Practice, 2020, 102, 104548.	3.2	17
3	Robust output control for uncertain linear systems: Homogeneous differentiator based observer approach. International Journal of Robust and Nonlinear Control, 2017, 27, 1895-1914.	2.1	14
4	Robust tracking control design for Unicycle Mobile Robots with input saturation. Control Engineering Practice, 2021, 107, 104676.	3.2	14
5	Robust control for a class of continuous-time dynamical systems with sample-data outputs. , 2009, , .		12
6	Finite-time attractive ellipsoid method: implicit Lyapunov function approach. International Journal of Control, 2016, 89, 1079-1090.	1.2	11
7	Suboptimal adaptive control of dynamic systems with state constraints based on Barrier Lyapunov functions. IET Control Theory and Applications, 2018, 12, 1116-1124.	1.2	11
8	Attractive Ellipsoid-Based Robust Control for Quadrotor Tracking. IEEE Transactions on Industrial Electronics, 2020, 67, 7851-7860.	5.2	11
9	Trajectory tracking for uncertain Unicycle Mobile Robots: A Super-Twisting approach. Control Engineering Practice, 2022, 122, 105078.	3.2	11
10	Differential neural networks observer for second order systems with sampled and quantized output. IFAC-PapersOnLine, 2018, 51, 490-495.	0.5	10
11	On the Robust Control Design for a Class of Continuous-Time Dynamical Systems with a Sample-Data Output. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5819-5824.	0.4	9
12	Quantised and sampled output feedback for nonlinear systems. International Journal of Control, 2014, 87, 2475-2487.	1.2	9
13	Advances in attractive ellipsoid method for robust control design. International Journal of Robust and Nonlinear Control, 2019, 29, 1418-1436.	2.1	8
14	Robust observer-based controller design for state constrained uncertain systems: attractive ellipsoid method. International Journal of Control, 2020, 93, 1397-1407.	1.2	6
15	Robust output regulation for uncertain linear systems with input saturation. IET Control Theory and Applications, 2020, 14, 2372-2384.	1.2	6
16	Finite-time Attractive Ellipsoid Method using Implicit Lyapunov Functions. , 2015, , .		5
17	Robust control of linear systems under input saturation using Barrier Lyapunov functions. International Journal of Dynamics and Control, 2018, 6, 1231-1238.	1.5	5
18	Robust control for state constrained systems based on composite barrier Lyapunov functions. International Journal of Robust and Nonlinear Control, 2020, 30, 7238-7254.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Robust Control for State Constrained Uncertain Systems: Attractive Ellipsoid Method Approach. IFAC-PapersOnLine, 2016, 49, 19-23.	0.5	4
20	Continuous state observability and mode reconstructability of switched nonlinear systems with unknown switching function. International Journal of Robust and Nonlinear Control, 2021, 31, 3827-3840.	2.1	4
21	A robust dynamic controller for a class of nonlinear systems with sample-data outputs. , 2012, , .		3
22	A Robust Tracking Control for Unicycle Mobile Robots: An Attractive Ellipsoid Approach. , 2019, , .		3
23	Robust Luenberger-like observer for control of linear switched systems under arbitrary unknown switched function. Asian Journal of Control, 2020, , .	1.9	3
24	Quasi-minimal active disturbance rejection control of MIMO perturbed linear systems based on differential neural networks and the attractive ellipsoid method. ISA Transactions, 2017, 71, 304-316.	3.1	2
25	Impedance Adaptive Controller for a Prototype of a Whiplash Syndrome Rehabilitation Device. Mathematical Problems in Engineering, 2019, 2019, 1-21.	0.6	2
26	On mode reconstructability and reconstructability sets of piecewise linear systems. International Journal of Control, 2020, , 1-9.	1.2	2
27	Robust output-based controller design for enlarging the region of attraction of input saturated linear systems. Asian Journal of Control, 2021, 23, 178-189.	1.9	2
28	Differential neural network identifier with composite learning laws for uncertain nonlinear systems. IFAC-PapersOnLine, 2020, 53, 7897-7902.	0.5	2
29	Active disturbance rejection control based on differential neural networks. , 2017, , .		1
30	On Necessary and Sufficient Conditions for Mode Observability of a Class of State Dependant Switched Systems. IFAC-PapersOnLine, 2017, 50, 9485-9489.	0.5	1
31	Output-based Robust Control for Quad-Rotor Tracking: An Attractive Ellipsoid Approach. , 2018, , .		1
32	State and Mode Estimation for Piecewise Linear Systems. , 2019, , .		1
33	Robust observer-based control of switched nonlinear systems with quantized and sample output. Kybernetika, 0, , 59-80.	0.0	0
34	Twisting Controller of Trajectory for a 6DOF Base Motion: Application to Quadrotor Flight Simulation Training Device. Mechanisms and Machine Science, 2021, , 229-236.	0.3	0