Tonametl Sanchez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3101250/publications.pdf

Version: 2024-02-01

29	355	1162367 8	940134 16
papers	citations	h-index	g-index

29	29	29	230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Outputâ€feedback finiteâ€time and exponential tracking continuous control for mechanical systems with constrained inputs. International Journal of Robust and Nonlinear Control, 2022, 32, 1393-1424.	2.1	1
2	On the Continuous Finite-Time Stabilization of the Double Integrator. SIAM Journal on Control and Optimization, 2022, 60, 699-719.	1.1	5
3	Homogeneous outputâ€feedback control with disturbanceâ€observer for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 3686-3707.	2.1	4
4	Lyapunovâ€based consistent discretization of stable homogeneous systems. International Journal of Robust and Nonlinear Control, 2021, 31, 3587-3605.	2.1	5
5	Lyapunovâ€based finiteâ€time control of robot manipulators. International Journal of Robust and Nonlinear Control, 2021, 31, 3090-3114.	2.1	12
6	A Switching Controller for a Class of MIMO Bilinear Systems With Time Delay. IEEE Transactions on Automatic Control, 2020, 65, 2250-2256.	3.6	9
7	A sliding mode controller for a model of flow separation in boundary layers. International Journal of Robust and Nonlinear Control, 2020, 30, 1181-1202.	2.1	2
8	Discrete-time homogeneity: Robustness and approximation. Automatica, 2020, 122, 109275.	3.0	2
9	A Consistent Discretisation method for Stable Homogeneous Systems based on Lyapunov Function. IFAC-PapersOnLine, 2020, 53, 5099-5104.	0.5	2
10	Sliding-Mode Stabilization of SISO Bilinear Systems with Delays. Studies in Systems, Decision and Control, 2020, , 215-236.	0.8	1
11	Hâˆž Control of Switched Affine Systems with Single Delay: a Lyapunov-Krasovskii Approach with Practical Applications. , 2020, , .		0
12	Design of Lyapunov functions for a class of homogeneous systems: Generalized forms approach. International Journal of Robust and Nonlinear Control, 2019, 29, 661-681.	2.1	18
13	A homogeneity property of discreteâ€time systems: Stability and convergence rates. International Journal of Robust and Nonlinear Control, 2019, 29, 2406-2421.	2.1	12
14	Homogeneous Discrete-Time Approximation. IFAC-PapersOnLine, 2019, 52, 19-24.	0.5	4
15	An SOS method for the design of continuous and discontinuous differentiators. International Journal of Control, 2018, 91, 2597-2614.	1.2	21
16	Strict Lyapunov functions for homogeneous finite-time second-order systems. , 2018, , .		16
17	A switching controller for a class of MIMO bilinear time-delay systems. , 2018, , .		2
18	A robust Sliding Mode Controller for a class of SISO bilinear delayed systems. , 2018, , .		3

#	Article	IF	Citations
19	Output feedback Continuous Twisting Algorithm. Automatica, 2018, 96, 298-305.	3.0	24
20	Design of Continuous Twisting Algorithm. Automatica, 2017, 80, 119-126.	3.0	105
21	A homogeneity property of a class of discrete-time systems. , 2017, , .		5
22	Construction of a Smooth Lyapunov Function for the Robust and Exact Second-Order Differentiator. Mathematical Problems in Engineering, 2016, 2016, 1-12.	0.6	11
23	Construction of Lyapunov functions for high-order sliding modes. , 2016, , 77-99.		6
24	Smooth Lyapunov function and gain design for a Second Order Differentiator. , 2015, , .		21
25	A constructive Lyapunov function design method for a class of homogeneous systems. , 2014, , .		36
26	Construction of Lyapunov functions for homogeneous second-order systems. , 2014, , .		1
27	Lyapunov functions for Twisting and Terminal controllers. , 2014, , .		7
28	On a sign controller for the triple integrator. , 2013, , .		6
29	Construction of Lyapunov Functions for a Class of Higher Order Sliding Modes algorithms. , 2012, , .		14