

Omar-Jacobo Santos-Sánchez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3206585/publications.pdf>

Version: 2024-02-01

23
papers

159
citations

1307543

7
h-index

1199563

12
g-index

23
all docs

23
docs citations

23
times ranked

152
citing authors

#	ARTICLE	IF	CITATIONS
1	Suboptimal control for systems with commensurate and distributed delays of neutral type. International Journal of Robust and Nonlinear Control, 2022, 32, 3190-3205.	3.7	2
2	Finite Horizon Nonlinear Suboptimal Control for an Autonomous Soaring UAV. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	1
3	Comments on the Bellman functional for linear time-delay systems. Optimal Control Applications and Methods, 2021, 42, 1531-1540.	2.1	2
4	Lyapunov Redesign for Input and State Delays Systems by Using Optimal Predictive Control and Ultimate Bound Approaches: Theory and Experiments. IEEE Transactions on Industrial Electronics, 2021, 68, 12575-12583.	7.9	3
5	Full-Order Observer for a Class of Nonlinear Systems With Unmatched Uncertainties: Joint Attractive Ellipsoid and Sliding Mode Concepts. IEEE Transactions on Industrial Electronics, 2020, 67, 5677-5686.	7.9	12
6	Finite Horizon Nonlinear Energy Optimizing Control in a Force Augmenting Hybrid Exoskeleton for the Elbow Joint. IEEE Transactions on Control Systems Technology, 2020, 28, 2681-2688.	5.2	1
7	On the Ultimate Uniform Bounded-stabilization for a Class of Perturbed Time Delay System via Sub-optimal Robust Control. International Journal of Control, Automation and Systems, 2020, 18, 2818-2829.	2.7	0
8	Lyapunov-Krasovskii prescribed derivative and the Bellman functional for time-delay systems. IFAC-PapersOnLine, 2020, 53, 7160-7165.	0.9	1
9	Robust guaranteed cost control for a class of perturbed systems with multiple distributed time delays. Journal of Process Control, 2019, 80, 127-142.	3.3	8
10	Delays compensation for an atmospheric sliced tomatoes dehydration process via state predictors. Journal of the Franklin Institute, 2019, 356, 11473-11491.	3.4	2
11	Backstepping and Robust Control for a Quadrotor in Outdoors Environments: An Experimental Approach. IEEE Access, 2019, 7, 40636-40648.	4.2	33
12	Experimental Results of Optimal and Robust Control for Uncertain Linear Time-Delay Systems. Journal of Optimization Theory and Applications, 2019, 181, 1076-1089.	1.5	5
13	Optimal PI and PID Temperature Controls for a Dehydration Process. Arabian Journal for Science and Engineering, 2019, 44, 2519-2534.	3.0	5
14	Nonlinear stabilization for a class of time delay systems via inverse optimality approach. ISA Transactions, 2017, 67, 1-8.	5.7	9
15	Real-time discrete suboptimal control for systems with input and state delays: Experimental tests on a dehydration process. ISA Transactions, 2017, 71, 448-457.	5.7	6
16	On the effects of the temperature control at the performance of a dehydration process: energy optimization and nutrients retention. International Journal of Advanced Manufacturing Technology, 2016, 86, 3157-3171.	3.0	10
17	A constructive approach for an optimal control applied to a class of nonlinear time delay systems. Journal of Process Control, 2016, 40, 35-49.	3.3	17
18	Optimized Discrete Control Law for Quadrotor Stabilization: Experimental Results. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 67-81.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Guaranteed cost control using Lyapunov redesign for uncertain linear time delay systems—Partially supported by Conacyt Projects 239371 and 180725. IFAC-PapersOnLine, 2015, 48, 392-397.	0.9	6
20	Robust stabilization of nonlinear time delay systems: A complete type functionals approach. Journal of the Franklin Institute, 2014, 351, 207-224.	3.4	4
21	Real-time Stabilization of a Quadrotor UAV: Nonlinear Optimal and Suboptimal Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 79-91.	3.4	11
22	Suboptimal robust linear visual servoing for a delayed underactuated system. Optimal Control Applications and Methods, 2013, 34, 696-711.	2.1	4
23	Object-oriented optimal controller for a batch dryer system. International Journal of Advanced Manufacturing Technology, 2012, 58, 293-307.	3.0	6