

Hugo Romero

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4148598/publications.pdf>

Version: 2024-02-01

27
papers

320
citations

1162889
8
h-index

1058333
14
g-index

29
all docs

29
docs citations

29
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory Control of a Quadrotor Subject to 2D Wind Disturbances. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 51-63.	2.0	94
2	Real-Time Stabilization of an Eight-Rotor UAV Using Optical Flow. IEEE Transactions on Robotics, 2009, 25, 809-817.	7.3	64
3	Real-Time Attitude Stabilization of a Mini-UAV Quad-rotor Using Motor Speed Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 93-106.	2.0	27
4	A new UAV configuration having eight rotors: Dynamical model and real-time control. , 2007, , .		25
5	Predictor-based Position Control of a Quad-rotor with Delays in GPS and Vision Measurements. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 70, 13-26.	2.0	23
6	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.	2.0	11
7	Optimized Discrete Control Law for Quadrotor Stabilization: Experimental Results. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 67-81.	2.0	11
8	Visual servoing applied to real-time stabilization of a multi-rotor UAV. Robotica, 2012, 30, 1203-1212.	1.3	10
9	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.	1.5	10
10	Real-time stereo visual servoing control of an UAV having eight-rotors. , 2009, , .		8
11	Discrete optimal control for a quadrotor UAV: Experimental approach. , 2014, , .		7
12	Real-time discrete suboptimal control for systems with input and state delays: Experimental tests on a dehydration process. ISA Transactions, 2017, 71, 448-457.	3.1	6
13	Suboptimal robust linear visual servoing for a delayed underactuated system. Optimal Control Applications and Methods, 2013, 34, 696-711.	1.3	4
14	On the tracking trajectory using optimal control in a quadrotor helicopter: Experimental results. , 2015, , .		4
15	Parameter Identification Based on Nonlinear Observer for Mechanical Systems. Journal of Computational and Nonlinear Dynamics, 2021, 16, .	0.7	4
16	FUSION OF OPTICAL FLOW AND INERTIAL SENSORS FOR FOUR-ROTOR ROTORCRAFT STABILIZATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 209-214.	0.4	3
17	Finite horizon nonlinear optimal control for a quadrotor: Experimental results. Optimal Control Applications and Methods, 2021, 42, 54-80.	1.3	3
18	Parameter estimation of a second order system via nonlinear identification algorithm. IOP Conference Series: Materials Science and Engineering, 2020, 844, 012038.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Real-time video stabilization algorithm based on efficient block matching for UAVs. , 2015, , .		1
20	Outdoor haptic teleoperation of a hexarotor UAV. , 2015, , .		1
21	Autonomous take-off and landing on a colored platform. , 2017, , .		1
22	Autonomous Ground Vehicle Navigation Using a Novel Visual Positioning System. , 2018, , .		1
23	Real-Time Tracking by a Quadrotor for Arbitrary Objects Defined Online*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 93-98.	0.4	0
24	Estimation of velocity and position for a quadrotor aircraft in GPS denied environment. , 2016, , .		0
25	GPI controller for quadrotor UAV stabilization. , 2017, , .		0
26	Nonlinear Control and Trajectory Tracking of an Unmanned Aircraft System Based on a Complete State Space Representation. IFAC-PapersOnLine, 2018, 51, 561-566.	0.5	0
27	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.	1.6	0