Pedro J Sanchez-Cuevas

List of Publications by Year
in descending order

21 papers	457 citations	1163117 8 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	354 citing authors

#	Article	IF	Citations
1	Characterization of the Aerodynamic Ground Effect and Its Influence in Multirotor Control. International Journal of Aerospace Engineering, 2017, 2017, 1-17.	0.9	93
2	Robotic System for Inspection by Contact of Bridge Beams Using UAVs. Sensors, 2019, 19, 305.	3.8	57
3	Sensor Installation and Retrieval Operations Using an Unmanned Aerial Manipulator. IEEE Robotics and Automation Letters, 2019, 4, 2793-2800.	5.1	54
4	Contact-Based Bridge Inspection Multirotors: Design, Modeling, and Control Considering the Ceiling Effect. IEEE Robotics and Automation Letters, 2019, 4, 3561-3568.	5.1	53
5	Multirotor UAS for bridge inspection by contact using the ceiling effect. , 2017, , .		39
6	Lightweight and Compliant Long Reach Aerial Manipulator for Inspection Operations. , 2018, , .		31
7	Fully-Actuated Aerial Manipulator for Infrastructure Contact Inspection: Design, Modeling, Localization, and Control. Sensors, 2020, 20, 4708.	3.8	29
8	Aerial Manipulator With Rolling Base for Inspection of Pipe Arrays. IEEE Access, 2020, 8, 162516-162532.	4.2	27
9	Numerical-experimental evaluation and modelling of aerodynamic ground effect for small-scale tilted propellers at low Reynolds numbers. Aerospace Science and Technology, 2022, 126, 107625.	4.8	20
10	Aerial Physical Interaction in Grabbing Conditions with Lightweight and Compliant Dual Arms. Applied Sciences (Switzerland), 2020, 10, 8927.	2.5	12
11	Experimental Evaluation of a Team of Multiple Unmanned Aerial Vehicles for Cooperative Construction. IEEE Access, 2021, 9, 6817-6835.	4.2	7
12	Localization System for Lightweight Unmanned Aerial Vehicles in Inspection Tasks. Sensors, 2021, 21, 5937.	3.8	7
13	Experimental Approach to the Aerodynamic Effects Produced in Multirotors Flying Close to Obstacles. Advances in Intelligent Systems and Computing, 2018, , 742-752.	0.6	5
14	Enhancing Lunar Reconnaissance Orbiter Images via Multi-Frame Super Resolution for Future Robotic Space Missions. IEEE Robotics and Automation Letters, 2021, 6, 7721-7727.	5.1	5
15	SORA Methodology for Multi-UAS Airframe Inspections in an Airport. Drones, 2021, 5, 141.	4.9	5
16	Securing UAV communications using ROS with custom ECIES-based method. , 2019, , .		4
17	Aerodynamic Effects in Multirotors Flying Close to Obstacles: Modelling and Mapping. Advances in Intelligent Systems and Computing, 2020, , 63-74.	0.6	2
18	High-Level Modular Autopilot Solution for Fast Prototyping of Unmanned Aerial Systems. IEEE Access, 2020, 8, 223827-223836.	4.2	1

#	Article	IF	Citations
19	Autonomous fire-fighting with heterogeneous team of unmanned aerial vehicles. , 2021, 1, 158-185.		1
20	An Aerodynamic Extension for Motion Planning with Dynamics Awareness in Aerial Long-Reach Manipulators. International Journal of Aerospace Engineering, 2020, 2020, 1-17.	0.9	0
21	Control of Aerial Robotic Manipulators. , 2020, , 1-10.		0