

Aurelio Melo

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

268
citations

933447

10
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Coverage Path Planning Optimization Based on Point Cloud for Structural Inspection. Springer Tracts in Nature-inspired Computing, 2022, , 141-156.	0.7	2
2	Fuzzy Gain-Scheduling PID for UAV Position and Altitude Controllers. Sensors, 2022, 22, 2173.	3.8	12
3	Unmanned Aerial Vehicles Motion Control with Fuzzy Tuning of Cascaded-PID Gains. Machines, 2022, 10, 12.	2.2	14
4	Experimentation and Simulation with Autonomous Coverage Path Planning for UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	4
5	ARCog: An Aerial Robotics Cognitive Architecture. Robotica, 2021, 39, 483-502.	1.9	20
6	Low-cost Trajectory-Based Ball Detection for Impact Indication and Recording. Journal of Control, Automation and Electrical Systems, 2021, 32, 367-377.	2.0	6
7	Dynamic Optimization and Heuristics Based Online Coverage Path Planning in 3D Environment for UAVs. Sensors, 2021, 21, 1108.	3.8	26
8	An Economic Evaluation of an Intelligent Street Lighting System for Smart Cities Context and Applications. , 2021, , .		1
9	Hybrid PID-Fuzzy controller for autonomous UAV stabilization. , 2021, , .		6
10	A Framework for Coverage Path Planning Optimization Based on Point Cloud for Structural Inspection. Sensors, 2021, 21, 570.	3.8	31
11	3D Correspondence and Point Projection Method for Structures Deformation Analysis. IEEE Access, 2020, 8, 177823-177836.	4.2	22
12	A Robotic Cognitive Architecture for Slope and Dam Inspections. Sensors, 2020, 20, 4579.	3.8	24
13	Deep Learning Applied to Vegetation Identification and Removal Using Multidimensional Aerial Data. Sensors, 2020, 20, 6187.	3.8	10
14	Aerial Human Activity Recognition Through a Cognitive Architecture and a New Automata Proposal. Learning and Nonlinear Models, 2020, 18, 4-14.	0.2	1
15	Coverage Path Planning Optimization for Slopes and Dams Inspection. Advances in Intelligent Systems and Computing, 2020, , 513-523.	0.6	7
16	A Framework for Analyzing Fog-Cloud Computing Cooperation Applied to Information Processing of UAVs. Wireless Communications and Mobile Computing, 2019, 2019, 1-14.	1.2	42
17	EKF Design for Online Trajectory Prediction of a Moving Object Detected Onboard of a UAV. , 2018, , .		12
18	Case-based reasoning approach applied to surveillance system using an autonomous unmanned aerial vehicle. , 2017, , .		16

#	ARTICLE	IF	CITATIONS
19	Development of a closed and open loop solar tracker technology. Acta Scientiarum - Technology, 2017, 39, 177.	0.4	12