

Aurelio Melo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1546288/publications.pdf>

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	A Framework for Analyzing Fog-Cloud Computing Cooperation Applied to Information Processing of UAVs. <i>Wireless Communications and Mobile Computing</i> , 2019, 2019, 1-14.	1.2	42
2	A Framework for Coverage Path Planning Optimization Based on Point Cloud for Structural Inspection. <i>Sensors</i> , 2021, 21, 570.	3.8	31
3	Dynamic Optimization and Heuristics Based Online Coverage Path Planning in 3D Environment for UAVs. <i>Sensors</i> , 2021, 21, 1108.	3.8	26
4	A Robotic Cognitive Architecture for Slope and Dam Inspections. <i>Sensors</i> , 2020, 20, 4579.	3.8	24
5	3D Correspondence and Point Projection Method for Structures Deformation Analysis. <i>IEEE Access</i> , 2020, 8, 177823-177836.	4.2	22
6	ARCog: An Aerial Robotics Cognitive Architecture. <i>Robotica</i> , 2021, 39, 483-502.	1.9	20
7	Case-based reasoning approach applied to surveillance system using an autonomous unmanned aerial vehicle. , 2017, , .		16
8	Unmanned Aerial Vehicles Motion Control with Fuzzy Tuning of Cascaded-PID Gains. <i>Machines</i> , 2022, 10, 12.	2.2	14
9	Development of a closed and open loop solar tracker technology. <i>Acta Scientiarum - Technology</i> , 2017, 39, 177.	0.4	12
10	EKF Design for Online Trajectory Prediction of a Moving Object Detected Onboard of a UAV. , 2018, , .		12
11	Fuzzy Gain-Scheduling PID for UAV Position and Altitude Controllers. <i>Sensors</i> , 2022, 22, 2173.	3.8	12
12	Deep Learning Applied to Vegetation Identification and Removal Using Multidimensional Aerial Data. <i>Sensors</i> , 2020, 20, 6187.	3.8	10
13	Coverage Path Planning Optimization for Slopes and Dams Inspection. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 513-523.	0.6	7
14	Low-cost Trajectory-Based Ball Detection for Impact Indication and Recording. <i>Journal of Control, Automation and Electrical Systems</i> , 2021, 32, 367-377.	2.0	6
15	Hybrid PID-Fuzzy controller for autonomous UAV stabilization. , 2021, , .		6
16	Experimentation and Simulation with Autonomous Coverage Path Planning for UAVs. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2022, 105, .	3.4	4
17	Coverage Path Planning Optimization Based on Point Cloud for Structural Inspection. <i>Springer Tracts in Nature-inspired Computing</i> , 2022, , 141-156.	0.7	2
18	An Economic Evaluation of an Intelligent Street Lighting System for Smart Cities Context and Applications. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Aerial Human Activity Recognition Through a Cognitive Architecture and a New Automata Proposal. Learning and Nonlinear Models, 2020, 18, 4-14.	0.2	1