

Christos Papachristos

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

625
citations

1684188

5
h-index

1872680

6
g-index

19
all docs

19
docs citations

19
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainty-aware receding horizon exploration and mapping using aerial robots. , 2017, , .		112
2	Graph-based Path Planning for Autonomous Robotic Exploration in Subterranean Environments. , 2019, , .		76
3	Keyframe-based Direct Thermal-Inertial Odometry. , 2019, , .		53
4	Efficient force exertion for aerial robotic manipulation: Exploiting the thrust-vectoring authority of a tri-tiltrotor UAV. , 2014, , .		51
5	Autonomous Exploration and Inspection Path Planning for Aerial Robots Using the Robot Operating System. Studies in Computational Intelligence, 2019, , 67-111.	0.9	46
6	Keyframe-based thermal-inertial odometry. Journal of Field Robotics, 2020, 37, 552-579.	6.0	43
7	A multi-modal mapping unit for autonomous exploration and mapping of underground tunnels. , 2018, , .		40
8	Localization uncertainty-aware autonomous exploration and mapping with aerial robots using receding horizon path-planning. Autonomous Robots, 2019, 43, 2131-2161.	4.8	39
9	Thermal-Inertial Localization for Autonomous Navigation of Aerial Robots through Obscurants. , 2018, , .		28
10	Uniform coverage structural inspection path-planning for micro aerial vehicles. , 2015, , .		23
11	Distributed infrastructure inspection path planning for aerial robotics subject to time constraints. , 2016, , .		23
12	Technical Activities Execution with a TiltRotor UAS employing Explicit Model Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11036-11042.	0.4	22
13	Visual-Thermal Landmarks and Inertial Fusion for Navigation in Degraded Visual Environments. , 2019, , .		22
14	Augmented reality-enhanced structural inspection using aerial robots. , 2016, , .		19
15	A Multi-VTOL Modular Aspect Ratio Reconfigurable Aerial Robot. , 2022, , .		9
16	Mobile Manipulation-based Deployment of Micro Aerial Robot Scouts through Constricted Aperture-like Ingress Points. , 2021, , .		8
17	Mobile Manipulator Robot Visual Servoing and Guidance for Dynamic Target Grasping. Lecture Notes in Computer Science, 2020, , 223-235.	1.3	7
18	Launching a Micro-Scout UAV from a Mobile Robotic Manipulator Arm. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Statistical characterization of heading stimuli in natural environments using SLAM. Journal of Vision, 2018, 18, 41.	0.3	1