

Carmelo Di Franco

List of Publications by Year in descending order

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17
papers

666
citations

1478505

6
h-index

1588992

8
g-index

17
all docs

17
docs citations

17
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	Assured Runtime Monitoring and Planning: Toward Verification of Neural Networks for Safe Autonomous Operations. IEEE Robotics and Automation Magazine, 2020, 27, 102-116.	2.0	9
2	Interpretable Run-Time Monitoring and Replanning for Safe Autonomous Systems Operations. IEEE Robotics and Automation Letters, 2020, 5, 2427-2434.	5.1	6
3	Exploiting Ground and Ceiling Effects on Autonomous UAV Motion Planning. , 2019, , .		13
4	Grid-Based Coverage Path Planning With Minimum Energy Over Irregular-Shaped Areas With Uavs. , 2019, , .		28
5	Using unmanned aerial vehicles for vegetation mapping and identification of botanical species in wetlands. Landscape and Ecological Engineering, 2019, 15, 231-240.	1.5	22
6	Integrated Framework for Fast Prototyping and Testing of Autonomous Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 96, 223-243.	3.4	6
7	Dynamic Multidimensional Scaling with anchors and height constraints for indoor localization of mobile nodes. Robotics and Autonomous Systems, 2018, 108, 28-37.	5.1	12
8	Energy-Aware Spiral Coverage Path Planning for UAV Photogrammetric Applications. IEEE Robotics and Automation Letters, 2018, 3, 3662-3668.	5.1	128
9	Calibration-free network localization using non-line-of-sight ultra-wideband measurements. , 2017, , .		24
10	Multidimensional scaling localization with anchors. , 2017, , .		13
11	Design and analysis of target-sensitive real-time systems. Software - Practice and Experience, 2016, 46, 1181-1200.	3.6	3
12	Coverage Path Planning for UAVs Photogrammetry with Energy and Resolution Constraints. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 83, 445-462.	3.4	162
13	Solving ambiguities in MDS relative localization. , 2015, , .		8
14	Energy-Aware Coverage Path Planning of UAVs. , 2015, , .		219
15	Data fusion for relative localization of wireless mobile nodes. , 2014, , .		6
16	Fusing Time-of-Flight and Received Signal Strength for adaptive radio-frequency ranging. , 2013, , .		6
17	Target-sensitive systems: Analysis and implementation issues. , 2012, , .		1