Renan Maffei

List of Publications by Year
in descending order

25	117	1937685 4	1588992 8
papers	citations	h-index	g-index

25	25	25	131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autonomous Environment Disinfection Based on Dynamic UV-C Irradiation Map. IEEE Robotics and Automation Letters, 2022, 7, 4789-4796.	5.1	4
2	Loop-Aware Exploration Graph: A concise representation of environments for exploration and active loop-closure. Robotics and Autonomous Systems, 2022, 155, 104179.	5.1	1
3	Semantic Active Visual Search System Based on Text Information for Large and Unknown Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 32.	3.4	1
4	Interval Inspired Approach Based on Temporal Sequence Constraints to Place Recognition. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	3
5	Exploration of 3D terrains using potential fields with elevation-based local distortions. , 2020, , .		2
6	Three level sequence-based Loop Closure Detection. Robotics and Autonomous Systems, 2020, 133, 103620.	5.1	3
7	Monocular 3D Exploration using Lines-of-Sight and Local Maps. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 100, 465-481.	3.4	2
8	Global Localization Over 2D Floor Plans with Free-Space Density Based on Depth Information. , 2020, , .		4
9	Map Point Optimization in Keyframe-Based SLAM using Covisibility Graph and Information Fusion. , 2019, , .		1
10	c-M2DP: A Fast Point Cloud Descriptor with Color Information to Perform Loop Closure Detection. , 2019, , .		1
11	A novel measurement model based on abBRIEF for global localization of a UAV over satellite images. Robotics and Autonomous Systems, 2019, 112, 304-319.	5.1	23
12	Vision-Based Global Localization Using Ceiling Space Density. , 2018, , .		4
13	Long-term place recognition using multi-level words of spatial densities. , 2016, , .		0
14	The 2016 Humanitarian Robotics and Automation Technology Challenge [Competitions]. IEEE Robotics and Automation Magazine, 2016, 23, 23-24.	2.0	3
15	Automation of humanitarian demining: The 2016 humanitarian robotics and automation technology challenge. , 2016, , .		1
16	Fast Monte Carlo Localization using spatial density information. , 2015, , .		6
17	2015 Humanitarian Robotics and Automation Technology Challenge [Humanitarian Technology]. IEEE Robotics and Automation Magazine, 2015, 22, 182-184.	2.0	6
18	Using n-grams of spatial densities to construct maps. , 2015, , .		2

#	Article	IF	Citations
19	Exploring the IEEE ontology for robotics and automation for heterogeneous agent interaction. Robotics and Computer-Integrated Manufacturing, 2015, 33, 12-20.	9.9	16
20	Ouroboros: Using potential field in unexplored regions to close loops. , 2015, , .		10
21	Improving the Precision of AUVs Localization in a Hybrid Interval-Probabilistic Approach Using a Set-Inversion Strategy. Unmanned Systems, 2014, 02, 361-375.	3.6	2
22	Integrated exploration using time-based potential rails. , 2014, , .		8
23	2014 Humanitarian Robotics and Automation Technology Challenge [Humanitarian Technology]. IEEE Robotics and Automation Magazine, 2014, 21, 10-16.	2.0	7
24	Hybridization of Monte Carlo and set-membership methods for the global localization of underwater robots. , 2014, , .		6
25	Segmented DP-SLAM. , 2013, , .		1