

# Renan Maffei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7486240/publications.pdf>

Version: 2024-02-01

25  
papers

117  
citations

1937685

4  
h-index

1588992

8  
g-index

25  
all docs

25  
docs citations

25  
times ranked

131  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Exploring the IEEE ontology for robotics and automation for heterogeneous agent interaction. Robotics and Computer-Integrated Manufacturing, 2015, 33, 12-20.	9.9	16
3	Ouroboros: Using potential field in unexplored regions to close loops. , 2015, , .		10
4	Integrated exploration using time-based potential rails. , 2014, , .		8
5	2014 Humanitarian Robotics and Automation Technology Challenge [Humanitarian Technology]. IEEE Robotics and Automation Magazine, 2014, 21, 10-16.	2.0	7
6	Hybridization of Monte Carlo and set-membership methods for the global localization of underwater robots. , 2014, , .		6
7	Fast Monte Carlo Localization using spatial density information. , 2015, , .		6
8	2015 Humanitarian Robotics and Automation Technology Challenge [Humanitarian Technology]. IEEE Robotics and Automation Magazine, 2015, 22, 182-184.	2.0	6
9	Vision-Based Global Localization Using Ceiling Space Density. , 2018, , .		4
10	Global Localization Over 2D Floor Plans with Free-Space Density Based on Depth Information. , 2020, , .		4
11	Autonomous Environment Disinfection Based on Dynamic UV-C Irradiation Map. IEEE Robotics and Automation Letters, 2022, 7, 4789-4796.	5.1	4
12	The 2016 Humanitarian Robotics and Automation Technology Challenge [Competitions]. IEEE Robotics and Automation Magazine, 2016, 23, 23-24.	2.0	3
13	Three level sequence-based Loop Closure Detection. Robotics and Autonomous Systems, 2020, 133, 103620.	5.1	3
14	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
15	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
16	Using n-grams of spatial densities to construct maps. , 2015, , .		2
17	Exploration of 3D terrains using potential fields with elevation-based local distortions. , 2020, , .		2
18	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

#	ARTICLE	IF	CITATIONS
19	Segmented DP-SLAM. , 2013, , .		1
20	Map Point Optimization in Keyframe-Based SLAM using Covisibility Graph and Information Fusion. , 2019, , .		1
21	c-M2DP: A Fast Point Cloud Descriptor with Color Information to Perform Loop Closure Detection. , 2019, , .		1
22	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
23	Automation of humanitarian demining: The 2016 humanitarian robotics and automation technology challenge. , 2016, , .		1
24	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
25	Long-term place recognition using multi-level words of spatial densities. , 2016, , .		0