

# Sergio Cebollada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9119021/publications.pdf>

Version: 2024-02-01

19  
papers

142  
citations

1683934

5  
h-index

1474057

9  
g-index

20  
all docs

20  
docs citations

20  
times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and use of a convolutional neural network for hierarchical appearance-based localization. <i>Artificial Intelligence Review</i> , 2022, 55, 2847-2874.	9.7	5
2	A Localization Approach Based on Omnidirectional Vision and Deep Learning. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 226-246.	0.3	1
3	Evaluating the Robustness of New Holistic Description Methods in Position Estimation of Mobile Robots. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 207-225.	0.3	0
4	Training, Optimization and Validation of a CNN for Room Retrieval and Description of Omnidirectional Images. <i>SN Computer Science</i> , 2022, 3, 1.	2.3	3
5	A state-of-the-art review on mobile robotics tasks using artificial intelligence and visual data. <i>Expert Systems With Applications</i> , 2021, 167, 114195.	4.4	65
6	A Robust CNN Training Approach to Address Hierarchical Localization with Omnidirectional Images. , 2021, , .		1
7	A CNN Regression Approach to Mobile Robot Localization Using Omnidirectional Images. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7521.	1.3	8
8	Evaluating the Influence of Feature Matching on the Performance of Visual Localization with Fisheye Images. , 2021, , .		1
9	A Robust CNN Training Approach to Address Hierarchical Localization with Omnidirectional Images. , 2021, , .		1
10	Creating Incremental Models of Indoor Environments through Omnidirectional Imaging. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6480.	1.3	5
11	A Novel Method to Estimate the Position of a Mobile Robot in Underfloor Environments Using RGB-D Point Clouds. <i>IEEE Access</i> , 2020, 8, 9084-9101.	2.6	3
12	A Deep Learning Tool to Solve Localization in Mobile Autonomous Robotics. , 2020, , .		5
13	Solution of the Forward Kinematic Problem of 3UPS-PU Parallel Manipulators based on Constraint Curves. , 2020, , .		1
14	An Evaluation of New Global Appearance Descriptor Techniques for Visual Localization in Mobile Robots under Changing Lighting Conditions. , 2020, , .		1
15	Hierarchical Localization in Topological Models Under Varying Illumination Using Holistic Visual Descriptors. <i>IEEE Access</i> , 2019, 7, 49580-49595.	2.6	11
16	Evaluation of Clustering Methods in Compression of Topological Models and Visual Place Recognition Using Global Appearance Descriptors. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 377.	1.3	14
17	An Evaluation between Global Appearance Descriptors based on Analytic Methods and Deep Learning Techniques for Localization in Autonomous Mobile Robots. , 2019, , .		2
18	Mapping and localization module in a mobile robot for insulating building crawl spaces. <i>Automation in Construction</i> , 2018, 87, 248-262.	4.8	13

#	ARTICLE	IF	CITATIONS
19	Compression of topological models and localization using the global appearance of visual information. , 2017, , .		2