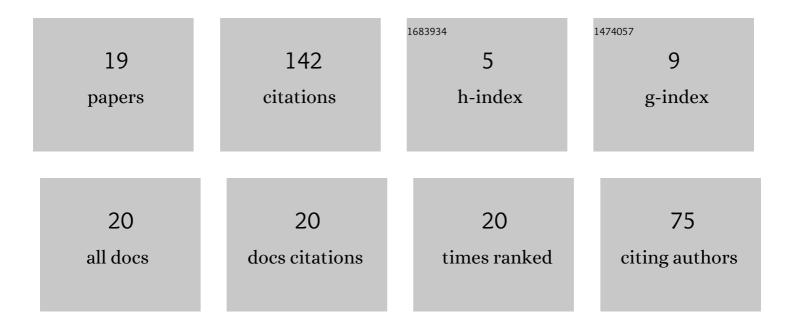
## Sergio Cebollada

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9119021/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Development and use of a convolutional neural network for hierarchical appearance-based localization. Artificial Intelligence Review, 2022, 55, 2847-2874.	9.7	5
2	A Localization Approach Based on Omnidirectional Vision and Deep Learning. Lecture Notes in Electrical Engineering, 2022, , 226-246.	0.3	1
3	Evaluating the Robustness of New Holistic Description Methods in Position Estimation of Mobile Robots. Lecture Notes in Electrical Engineering, 2022, , 207-225.	0.3	0
4	Training, Optimization and Validation of a CNN for Room Retrieval and Description of Omnidirectional Images. SN Computer Science, 2022, 3, 1.	2.3	3
5	A state-of-the-art review on mobile robotics tasks using artificial intelligence and visual data. Expert Systems With Applications, 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. Applied Sciences (Switzerland), 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. Applied Sciences (Switzerland), 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. IEEE Access, 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. IEEE Access, 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. Applied Sciences (Switzerland), 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. Automation in Construction, 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