

# Ana C Murillo

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

587  
citations

1040056

9  
h-index

888059

17  
g-index

33  
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33  
docs citations

33  
times ranked

415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-Supervised Semantic Segmentation with Pixel-Level Contrastive Learning from a Class-wise Memory Bank. , 2021, , .		103
2	3D-MiniNet: Learning a 2D Representation From Point Clouds for Fast and Efficient 3D LIDAR Semantic Segmentation. IEEE Robotics and Automation Letters, 2020, 5, 5432-5439.	5.1	86
3	Localization in Urban Environments Using a Panoramic Gist Descriptor. IEEE Transactions on Robotics, 2013, 29, 146-160.	10.3	77
4	Localization and Matching Using the Planar Trifocal Tensor With Bearing-Only Data. IEEE Transactions on Robotics, 2008, 24, 494-501.	10.3	47
5	MiniNet: An Efficient Semantic Segmentation ConvNet for Real-Time Robotic Applications. IEEE Transactions on Robotics, 2020, 36, 1340-1347.	10.3	34
6	Urban tribes: Analyzing group photos from a social perspective. , 2012, , .		31
7	Semantic labeling for indoor topological mapping using a wearable catadioptric system. Robotics and Autonomous Systems, 2014, 62, 685-695.	5.1	31
8	CoralSeg: Learning coral segmentation from sparse annotations. Journal of Field Robotics, 2019, 36, 1456-1477.	6.0	30
9	Experiments on an RGB-D Wearable Vision System for Egocentric Activity Recognition. , 2014, , .		22
10	Repeatable Semantic Reef-Mapping through Photogrammetry and Label-Augmentation. Remote Sensing, 2021, 13, 659.	4.0	22
11	Coral-Segmentation: Training Dense Labeling Models with Sparse Ground Truth. , 2017, , .		20
12	Gender Gap in STEM: A Cross-Sectional Study of Primary School Studentsâ€™ Self-Perception and Test Anxiety in Mathematics. IEEE Transactions on Education, 2021, 64, 40-49.	2.4	17
13	Domain and View-Point Agnostic Hand Action Recognition. IEEE Robotics and Automation Letters, 2021, 6, 7823-7830.	5.1	14
14	Enhancing V-SLAM Keyframe Selection with an Efficient ConvNet for Semantic Analysis. , 2019, , .		8
15	Incremental Learning of Object Models From Natural Humanâ€“Robot Interactions. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1883-1900.	5.2	8
16	Semantic Segmentation from Sparse Labeling Using Multi-Level Superpixels. , 2018, , .		5
17	A female engineer in every school. , 2018, , .		4
18	A Practical Mobile Robotics Engineering Course Using LEGO Mindstorms. Communications in Computer and Information Science, 2011, , 221-235.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Line image signature for scene understanding with a wearable vision system. , 2013, , .		3
20	Girls' Day experience at the University of Zaragoza. , 2014, , .		3
21	A multimodal dataset for object model learning from natural human-robot interaction. , 2017, , .		3
22	A generic tool for interactive complex image editing. Visual Computer, 2018, 34, 1493-1505.	3.5	3
23	Integral Actions Towards Women in Engineering Recognition. , 2019, , .		3
24	3D Spatial Layout Propagation in a Video Sequence. Lecture Notes in Computer Science, 2014, , 374-382.	1.3	2
25	Line-based global descriptor for omnidirectional vision. , 2014, , .		1
26	Building an Enhanced Vocabulary of the Robot Environment with a Ceiling Pointing Camera. Sensors, 2016, 16, 493.	3.8	1
27	Exposing Abstraction-Level Interactions with a Parallel Ray Tracer. , 2019, , .		1
28	Integrating an Autonomous Robot on a Dance and New Technologies Festival. Advances in Intelligent Systems and Computing, 2018, , 75-87.	0.6	1
29	3D Layout Propagation to Improve Object Recognition in Egocentric Videos. Lecture Notes in Computer Science, 2015, , 839-852.	1.3	1
30	Finding Regions of Interest from Multimodal Human-Robot Interactions. , 0, , .		1
31	Performance of object recognition in wearable videos. , 2019, , .		0
32	How to Transfer a Semantic Segmentation Model from Autonomous Driving to Other Domains?. Advances in Intelligent Systems and Computing, 2018, , 652-665.	0.6	0