

# Zoltán-Csaba Márton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3849173/publications.pdf>

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39  
papers

2,550  
citations

1163117

8  
h-index

888059

17  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards 3D Point cloud based object maps for household environments. Robotics and Autonomous Systems, 2008, 56, 927-941.	5.1	788
2	Aligning point cloud views using persistent feature histograms. , 2008, , .		582
3	Tutorial: Point Cloud Library: Three-Dimensional Object Recognition and 6 DOF Pose Estimation. IEEE Robotics and Automation Magazine, 2012, 19, 80-91.	2.0	271
4	Implicit 3D Orientation Learning for 6D Object Detection from RGB Images. Lecture Notes in Computer Science, 2018, , 712-729.	1.3	237
5	Close-range scene segmentation and reconstruction of 3D point cloud maps for mobile manipulation in domestic environments. , 2009, , .		126
6	Combined 2D→3D categorization and classification for multimodal perception systems. International Journal of Robotics Research, 2011, 30, 1378-1402.	8.5	83
7	Augmented Autoencoders: Implicit 3D Orientation Learning for 6D Object Detection. International Journal of Computer Vision, 2020, 128, 714-729.	15.6	79
8	Hierarchical object geometric categorization and appearance classification for mobile manipulation. , 2010, , .		45
9	Autonomous semantic mapping for robots performing everyday manipulation tasks in kitchen environments. , 2011, , .		44
10	Towards Autonomous Planetary Exploration. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 93, 461-494.	3.4	44
11	Probabilistic categorization of kitchen objects in table settings with a composite sensor. , 2009, , .		33
12	Combining object modeling and recognition for active scene exploration. , 2013, , .		30
13	Furniture Models Learned from the WWW. IEEE Robotics and Automation Magazine, 2011, 18, 22-32.	2.0	25
14	Tracking-based interactive segmentation of textureless objects. , 2013, , .		20
15	Semantic Labeling of Indoor Environments from 3D RGB Maps. , 2018, , .		16
16	The LRU Rover for Autonomous Planetary Exploration and Its Success in the SpaceBotCamp Challenge. , 2016, , .		13
17	Evaluation and improvement of global pose estimation with multiple AprilTags for industrial manipulators. , 2016, , .		12
18	Ensembles of strong learners for multi-cue classification. Pattern Recognition Letters, 2013, 34, 754-761.	4.2	9

#	ARTICLE	IF	CITATIONS
19	Storing and retrieving perceptual episodic memories for long-term manipulation tasks. , 2017, , .		9
20	Part-Based Geometric Categorization and Object Reconstruction in Cluttered Table-Top Scenes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 76, 35-56.	3.4	8
21	Multi-view orientation estimation using Bingham mixture models. , 2016, , .		8
22	Automatic scene parsing for generic object descriptions using shape primitives. Robotics and Autonomous Systems, 2016, 76, 93-112.	5.1	7
23	Robot-to-Camera Calibration: A Generic Approach Using 6D Detections. , 2017, , .		6
24	Material Classification through Knocking and Grasping by Learning of Structure-Borne Sound under Changing Acoustic Conditions. , 2018, , .		6
25	Object Categorization in Clutter Using Additive Features and Hashing of Part-Graph Descriptors. Lecture Notes in Computer Science, 2012, , 17-33.	1.3	6
26	Feature based particle filter registration of 3D surface models and its application in robotics. , 2013, , .		5
27	Evaluation of feature selection and model training strategies for object category recognition. , 2014, , .		5
28	Experience-based optimization of robotic perception. , 2017, , .		5
29	Visual Repetition Sampling for Robot Manipulation Planning. , 2019, , .		5
30	Monte Carlo Registration and Its Application with Autonomous Robots. Journal of Sensors, 2016, 2016, 1-28.	1.1	4
31	Improving object classification robustness in RGB-D using adaptive SVMs. Multimedia Tools and Applications, 2016, 75, 6829-6847.	3.9	4
32	Improving object orientation estimates by considering multiple viewpoints. Autonomous Robots, 2018, 42, 423-442.	4.8	4
33	Sample consensus fitting of bivariate polynomials for initializing EM-based modeling of smooth 3D surfaces. , 2013, , .		2
34	Interactive Segmentation of Textured and Textureless Objects. Studies in Systems, Decision and Control, 2015, , 237-262.	1.0	2
35	On the Use of the Tree Structure of Depth Levels for Comparing 3D Object Views. Lecture Notes in Computer Science, 2017, , 251-263.	1.3	2
36	6DoF Pose Estimation for Industrial Manipulation Based on Synthetic Data. Springer Proceedings in Advanced Robotics, 2020, , 675-684.	1.3	2

#	ARTICLE	IF	CITATIONS
37	On-the-fly particle filter registration for laser data. , 2016, , .		1
38	A method for hand-eye and camera-to-camera calibration for limited fields of view. , 2017, , .		1
39	Searching for Objects in Human Living Environments based on Relevant Inferred and Mined Priors. , 2021, , .		1