

# Robert Zlot

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3196129/publications.pdf>

Version: 2024-02-01

20  
papers

1,515  
citations

759233

12  
h-index

1125743

13  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1416  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zebedee: Design of a Spring-Mounted 3-D Range Sensor with Application to Mobile Mapping. IEEE Transactions on Robotics, 2012, 28, 1104-1119.	10.3	322
2	Continuous 3D scan-matching with a spinning 2D laser. , 2009, , .		192
3	Market-based Multirobot Coordination for Complex Tasks. International Journal of Robotics Research, 2006, 25, 73-101.	8.5	162
4	Map Matching and Data Association for Large-Scale Two-dimensional Laser Scan-based SLAM. International Journal of Robotics Research, 2008, 27, 667-691.	8.5	147
5	Place recognition using keypoint voting in large 3D lidar datasets. , 2013, , .		104
6	Keypoint design and evaluation for place recognition in 2D lidar maps. Robotics and Autonomous Systems, 2009, 57, 1211-1224.	5.1	94
7	Efficiently capturing large, complex cultural heritage sites with a handheld mobile 3D laser mapping system. Journal of Cultural Heritage, 2014, 15, 670-678.	3.3	82
8	Line-based extrinsic calibration of range and image sensors. , 2013, , .		76
9	Efficient Large-Scale Three-Dimensional Mobile Mapping for Underground Mines. Journal of Field Robotics, 2014, 31, 758-779.	6.0	76
10	Efficient Large-Scale 3D Mobile Mapping and Surface Reconstruction of an Underground Mine. Springer Tracts in Advanced Robotics, 2014, , 479-493.	0.4	57
11	Continuous-Time Three-Dimensional Mapping for Micro Aerial Vehicles with a Passively Actuated Rotating Laser Scanner. Journal of Field Robotics, 2016, 33, 103-132.	6.0	53
12	Vision-based localization using an edge map extracted from 3D laser range data. , 2010, , .		28
13	A multidisciplinary approach to digital mapping of dinosaurian tracksites in the Lower Cretaceous (Valanginian-Barremian) Broome Sandstone of the Dampier Peninsula, Western Australia. PeerJ, 2017, 5, e3013.	2.0	23
14	Place Recognition Using Keypoint Similarities in 2D Lidar Maps. Springer Tracts in Advanced Robotics, 2009, , 363-372.	0.4	21
15	Watertight surface reconstruction of caves from 3D laser data. , 2011, , .		21
16	Place Recognition Using Regional Point Descriptors for 3D Mapping. Springer Tracts in Advanced Robotics, 2010, , 195-204.	0.4	19
17	MARKET-BASED COMPLEX TASK ALLOCATION FOR MULTIROBOT TEAMS. , 2006, , .		18
18	Integrating Off-Board Cameras and Vehicle On-Board Localization for Pedestrian Safety. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 720-730.	8.0	17

#	ARTICLE	IF	CITATIONS
19	Solid Model Reconstruction of Large-Scale Outdoor Scenes from 3D Lidar Data. Springer Tracts in Advanced Robotics, 2014, , 541-554.	0.4	3
20	Laser Mapping of Carbon Bake Furnaces. Minerals, Metals and Materials Series, 2016, , 1169-1174.	0.4	0