

# Henrik Andreasson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3809669/publications.pdf>

Version: 2024-02-01

19  
papers

525  
citations

1040056

9  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and accurate scan registration through minimization of the distance between compact 3D NDT representations. International Journal of Robotics Research, 2012, 31, 1377-1393.	8.5	178
2	Appearance-based loop detection from 3D laser data using the normal distributions transform. , 2009, , .		78
3	Automatic appearance-based loop detection from three-dimensional laser data using the normal distributions transform. Journal of Field Robotics, 2009, 26, 892-914.	6.0	75
4	6D scan registration using depth-interpolated local image features. Robotics and Autonomous Systems, 2010, 58, 157-165.	5.1	34
5	Lightweight, Viewpoint-Invariant Visual Place Recognition in Changing Environments. IEEE Robotics and Automation Letters, 2018, 3, 957-964.	5.1	30
6	Normal Distributions Transform Occupancy Map fusion: Simultaneous mapping and tracking in large scale dynamic environments. , 2013, , .		27
7	Point Set Registration for 3D Range Scans Using Fuzzy Cluster-Based Metric and Efficient Global Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3229-3246.	13.9	21
8	Non-Iterative Vision-Based Interpolation of 3D Laser Scans. Studies in Computational Intelligence, 2007, , 83-90.	0.9	14
9	A Customized Vision System for Tracking Humans Wearing Reflective Safety Clothing from Industrial Vehicles and Machinery. Sensors, 2014, 14, 17952-17980.	3.8	10
10	<scp>RaspberryPi&Arduino</scp> (<scp>RPA</scp>) powered smart mirrored and reconfigurable <scp>IoT</scp> facility for plant science research. Internet Technology Letters, 2022, 5, e272.	1.9	10
11	Online Task Assignment and Coordination in Multi-Robot Fleets. IEEE Robotics and Automation Letters, 2021, 6, 4584-4591.	5.1	10
12	Fuzzy Tuned PID Controller for Envisioned Agricultural Manipulator. International Journal of Automation and Computing, 2021, 18, 568-580.	4.5	8
13	CorAl: Introspection for robust radar and lidar perception in diverse environments using differential entropy. Robotics and Autonomous Systems, 2022, 155, 104136.	5.1	8
14	FuzzyPSReg: Strategies of Fuzzy Cluster-Based Point Set Registration. IEEE Transactions on Robotics, 2022, 38, 2632-2651.	10.3	7
15	CorAl â€œ Are the point clouds Correctly Aligned?. , 2021, , .		4
16	A Local Planner for Accurate Positioning for a Multiple Steer-and-Drive Unit Vehicle Using Non-Linear Optimization. Sensors, 2022, 22, 2588.	3.8	4
17	Development of novel robotic platforms for mechanical stress induction, and their effects on plant morphology, elements, and metabolism. Scientific Reports, 2021, 11, 23876.	3.3	4
18	PointNet and geometric reasoning for detection of grape vines from single frame RGB-D data in outdoor conditions. Proceedings of the Northern Lights Deep Learning Workshop, 0, 1, 6.	0.0	2

#	ARTICLE	IF	CITATIONS
19	Building an Enhanced Vocabulary of the Robot Environment with a Ceiling Pointing Camera. Sensors, 2016, 16, 493.	3.8	1