

# Hao Fu

## List of Publications by Year in descending order

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37  
papers

356  
citations

1040056

9  
h-index

888059

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g-index

37  
all docs

37  
docs citations

37  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hierarchical path planning approach based on A* and least-squares policy iteration for mobile robots. <i>Neurocomputing</i> , 2015, 170, 257-266.	5.9	60
2	Random Forest for Image Annotation. <i>Lecture Notes in Computer Science</i> , 2012, , 86-99.	1.3	47
3	Multi-Object Tracking with Correlation Filter for Autonomous Vehicle. <i>Sensors</i> , 2018, 18, 2004.	3.8	42
4	Large-Scale Outdoor SLAM Based on 2D Lidar. <i>Electronics (Switzerland)</i> , 2019, 8, 613.	3.1	35
5	IMU-Aided High-Frequency Lidar Odometry for Autonomous Driving. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1506.	2.5	21
6	Augmenting cascaded correlation filters with spatial-temporal saliency for visual tracking. <i>Information Sciences</i> , 2019, 470, 78-93.	6.9	18
7	3D map-guided single indoor image localization refinement. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 13-26.	11.1	13
8	Detailed Analysis on Generating the Range Image for LiDAR Point Cloud Processing. <i>Electronics (Switzerland)</i> , 2021, 10, 1224.	3.1	11
9	An efficient scan-to-map matching approach for autonomous driving. , 2016, , .		10
10	An Efficient Scan-to-Map Matching Approach Based on Multi-channel Lidar. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 91, 501-513.	3.4	10
11	Towards a Fully Automated 3D Reconstruction System Based on LiDAR and GNSS in Challenging Scenarios. <i>Remote Sensing</i> , 2021, 13, 1981.	4.0	9
12	Likelihood-Field-Model-Based Vehicle Pose Estimation with Velodyne. , 2015, , .		8
13	LiDAR-based robust localization for field autonomous vehicles in off-road environments. <i>Journal of Field Robotics</i> , 2021, 38, 1059-1077.	6.0	8
14	Plane-based scan registration with moving vehicles exclusion. <i>Robotics and Autonomous Systems</i> , 2016, 83, 261-274.	5.1	5
15	Drosophila-inspired 3D moving object detection based on point clouds. <i>Information Sciences</i> , 2020, 534, 154-171.	6.9	5
16	Marker controlled superpixel nuclei segmentation and automatic counting on immunohistochemistry staining images. <i>Bioinformatics</i> , 2020, 36, 3225-3233.	4.1	5
17	GlandVision: A Novel Polar Space Random Field Model for Glandular Biological Structure Detection. , 2012, , .		5
18	LIDAR-based dynamic environment modeling and tracking using particles based occupancy grid. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	LIDAR Scan Matching in Off-Road Environments. Robotics, 2020, 9, 35.	3.5	4
20	Feature Combination beyond Basic Arithmetics. , 2011, , .		4
21	Lidar-Based Object Classification with Explicit Occlusion Modeling. , 2019, , .		4
22	Likelihood-Field-Model-Based Dynamic Vehicle Detection with Velodyne. , 2015, , .		3
23	Plain-to-plain scan registration based on geometric distributions of points. , 2015, , .		3
24	Learning deep compact channel features for object detection in traffic scenes. , 2016, , .		3
25	A novel algorithm for SLAM in dynamic environments using landscape theory of aggregation. Journal of Central South University, 2016, 23, 2587-2594.	3.0	3
26	Real-time 3D Grid Map Building for Autonomous Driving in Dynamic Environment. , 2019, , .		3
27	Fast Implementation of 3D Occupancy Grid for Autonomous Driving. , 2020, , .		3
28	Smooth localization independent of GPS using coarse height maps. , 2015, , .		2
29	A Classification-Based Visual Odometry Approach. , 2016, , .		2
30	LiDAR Data Enrichment by Fusing Spatial and Temporal Adjacent Frames. Remote Sensing, 2021, 13, 3640.	4.0	2
31	Road Detection Based on Off-Line and On-Line Learning. , 2014, , .		1
32	Estimation of Initial Position Using Line Segment Matching in Maps. International Journal of Advanced Robotic Systems, 2016, 13, 117.	2.1	1
33	A Dense Optical Flow-Based Feature Matching Approach in Visual Odometry. , 2017, , .		1
34	Towards Efficient and Robust LiDAR-based 3D Mapping in Urban Environments. , 2020, , .		1
35	A New Normalization Approach for Combining Similarities. , 2016, , .		0
36	UGM-based high-accuracy multi-sensor image registration. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Estimating Initial Guess of Localization by Line Matching in Lidar Intensity Maps. Advances in Intelligent Systems and Computing, 2017, , 577-588.	0.6	0