

# Ruihao Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7103914/publications.pdf>

Version: 2024-02-01

23  
papers

628  
citations

1040056

9  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

656  
citing authors

#	ARTICLE	IF	CITATIONS
1	UnDeepVO: Monocular Visual Odometry Through Unsupervised Deep Learning. , 2018, , .		289
2	Indoor Relocalization in Challenging Environments With Dual-Stream Convolutional Neural Networks. IEEE Transactions on Automation Science and Engineering, 2018, 15, 651-662.	5.2	56
3	Ongoing Evolution of Visual SLAM from Geometry to Deep Learning: Challenges and Opportunities. Cognitive Computation, 2018, 10, 875-889.	5.2	46
4	DeepSLAM: A Robust Monocular SLAM System With Unsupervised Deep Learning. IEEE Transactions on Industrial Electronics, 2021, 68, 3577-3587.	7.9	44
5	Aggregated Deep Fisher Feature for VHR Remote Sensing Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3508-3523.	4.9	33
6	Extracting Semantic Information from Visual Data: A Survey. Robotics, 2016, 5, 8.	3.5	25
7	FA-Harris: A Fast and Asynchronous Corner Detector for Event Cameras. , 2019, , .		21
8	Using Unsupervised Deep Learning Technique for Monocular Visual Odometry. IEEE Access, 2019, 7, 18076-18088.	4.2	17
9	Semantic Scene Mapping with Spatio-temporal Deep Neural Network for Robotic Applications. Cognitive Computation, 2018, 10, 260-271.	5.2	17
10	Further Exploring Convolutional Neural Networksâ€™ Potential for Land-Use Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1687-1691.	3.1	14
11	Feature Tracking Based on Line Segments With the Dynamic and Active-Pixel Vision Sensor (DAVIS). IEEE Access, 2019, 7, 110874-110883.	4.2	11
12	PLC-VIO: Visualâ€“Inertial Odometry Based on Point-Line Constraints. IEEE Transactions on Automation Science and Engineering, 2022, 19, 1880-1897.	5.2	11
13	Indoor Topological Localization Based on a Novel Deep Learning Technique. Cognitive Computation, 2020, 12, 528-541.	5.2	9
14	A Semantic Segmentation Based Lidar SLAM System Towards Dynamic Environments. Lecture Notes in Computer Science, 2019, , 582-590.	1.3	7
15	Building semantic maps for blind people to navigate at home. , 2016, , .		6
16	Uncertainty-Aware Self-Improving Framework for Depth Estimation. IEEE Robotics and Automation Letters, 2022, 7, 41-48.	5.1	5
17	Night-time indoor relocalization using depth image with Convolutional Neural Networks. , 2016, , .		3
18	Data-Driven Technology in Event-Based Vision. Complexity, 2021, 2021, 1-19.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Asynchronous event feature generation and tracking based on gradient descriptor for event cameras. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110270.	2.1	3
20	An Actor-based Programming Framework for Swarm Robotic Systems. , 2020, , .		3
21	A novel RGB-D SLAM algorithm based on points and plane-patches. , 2016, , .		2
22	Using semantic maps for room recognition to aid visually impaired people. , 2016, , .		2
23	On both flux and current feedback control technique for maglev suspension system. , 2014, , .		1