Zheng Fang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9042214/publications.pdf

Version: 2024-02-01

25 papers	395 citations	1163117 8 h-index	1125743 13 g-index
25 all docs	25 docs citations	25 times ranked	245 citing authors

#	Article	IF	Citations
1	RGB-D SLAM in Dynamic Environments Using Point Correlations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 373-389.	13.9	82
2	Event-VPR: End-to-End Weakly Supervised Deep Network Architecture for Visual Place Recognition Using Event-Based Vision Sensor. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-18.	4.7	9
3	A Real-Time and Multi-Sensor-Based Landing Area Recognition System for UAVs. Drones, 2022, 6, 118.	4.9	10
4	Reducing-Over-Time Tree for Event-based Data. , 2021, , .		3
5	3D-SiamRPN: An End-to-End Learning Method for Real-Time 3D Single Object Tracking Using Raw Point Cloud. IEEE Sensors Journal, 2021, 21, 4995-5011.	4.7	34
6	Vanishing Point Aided LiDAR-Visual-Inertial Estimator. , 2021, , .		8
7	High-precision and robust localization system for mobile robots in complex and large-scale indoor scenes. International Journal of Advanced Robotic Systems, 2021, 18, 172988142110476.	2.1	3
8	PTT: Point-Track-Transformer Module for 3D Single Object Tracking in Point Clouds. , 2021, , .		34
9	Guest Editorial: Autonomous systems: Navigation, learning, and control. IET Cyber-Systems and Robotics, 2021, 3, 279-280.	1.8	0
10	Point Siamese Network for Person Tracking Using 3D Point Clouds. Sensors, 2020, 20, 143.	3.8	7
11	A Robust Autonomous Following Method for Mobile Robots in Dynamic Environments. IEEE Access, 2020, 8, 150311-150325.	4.2	15
12	Neural Coding Strategies for Event-Based Vision Data. , 2020, , .		2
13	Feasibility of Discriminating UAV Propellers Noise from Distress Signals to Locate People in Enclosed Environments Using MEMS Microphone Arrays. Sensors, 2020, 20, 597.	3.8	4
14	TP-TIO: A Robust Thermal-Inertial Odometry with Deep ThermalPoint. , 2020, , .		23
15	A sampling-based multi-tree fusion algorithm for frontier detection. International Journal of Advanced Robotic Systems, 2019, 16, 172988141986542.	2.1	7
16	A Robust Laser-Inertial Odometry and Mapping Method for Large-Scale Highway Environments. , 2019, , .		40
17	Sample-Based Frontier Detection for Autonomous Robot Exploration. , 2018, , .		8
18	Direct Depth SLAM: Sparse Geometric Feature Enhanced Direct Depth SLAM System for Low-Texture Environments. Sensors, 2018, 18, 3339.	3.8	15

#	Article	IF	Citations
19	Feature Regions Segmentation Based RGB-D Visual Odometry in Dynamic Environment. , 2018, , .		5
20	A Real-Time 3D Perception and Reconstruction System Based on a 2D Laser Scanner. Journal of Sensors, 2018, 2018, 1-14.	1.1	19
21	Robust Autonomous Flight in Constrained and Visually Degraded Shipboard Environments. Journal of Field Robotics, 2017, 34, 25-52.	6.0	43
22	Motion process monitoring using optical flowâ€“based principal component analysis-independent component analysis method. Advances in Mechanical Engineering, 2017, 9, 168781401773323.	1.6	8
23	A Real-time and Low-cost 3D SLAM System Based on a Continuously Rotating 2D Laser Scanner. , 2017, , .		4
24	A Real-time Handheld 3D Temperature Field Reconstruction System. , 2017, , .		3
25	Design and nonlinear control of an indoor quadrotor flying robot. , 2010, , .		9