

Thien-Minh Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

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296
citing authors

#	ARTICLE	IF	CITATIONS
1	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization. IEEE Robotics and Automation Letters, 2021, 6, 1678-1685.	3.3	63
2	Ultra-wideband aided fast localization and mapping system. , 2017, , .		55
3	NTU VIRAL: A visual-inertial-ranging-lidar dataset, from an aerial vehicle viewpoint. International Journal of Robotics Research, 2022, 41, 270-280.	5.8	39
4	Persistently Excited Adaptive Relative Localization and Time-Varying Formation of Robot Swarms. IEEE Transactions on Robotics, 2020, 36, 553-560.	7.3	37
5	Robust Target-Relative Localization with Ultra-Wideband Ranging and Communication. , 2018, , .		36
6	Integrated UWB-Vision Approach for Autonomous Docking of UAVs in GPS-denied Environments. , 2019, , .		36
7	VIRAL-Fusion: A Visual-Inertial-Ranging-Lidar Sensor Fusion Approach. IEEE Transactions on Robotics, 2022, 38, 958-977.	7.3	36
8	Distance-Based Cooperative Relative Localization for Leader-Following Control of MAVs. IEEE Robotics and Automation Letters, 2019, 4, 3641-3648.	3.3	33
9	Single Landmark Distance-Based Navigation. IEEE Transactions on Control Systems Technology, 2020, 28, 2021-2028.	3.2	29
10	Graph Optimization Approach to Range-Based Localization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6830-6841.	5.9	29
11	Tightly-coupled ultra-wideband-aided monocular visual SLAM with degenerate anchor configurations. Autonomous Robots, 2020, 44, 1519-1534.	3.2	24
12	Tightly-Coupled Single-Anchor Ultra-wideband-Aided Monocular Visual Odometry System. , 2020, , .		22
13	MILIOM: Tightly Coupled Multi-Input Lidar-Inertia Odometry and Mapping. IEEE Robotics and Automation Letters, 2021, 6, 5573-5580.	3.3	22
14	Loosely-Coupled Ultra-wideband-Aided Scale Correction for Monocular Visual Odometry. Unmanned Systems, 2020, 08, 179-190.	2.7	18
15	Flexible and Resource-Efficient Multi-Robot Collaborative Visual-Inertial-Range Localization. IEEE Robotics and Automation Letters, 2022, 7, 928-935.	3.3	18
16	An Integrated Localization-Navigation Scheme for Distance-Based Docking of UAVs. , 2018, , .		16
17	Correlation Flow: Robust Optical Flow Using Kernel Cross-Correlators. , 2018, , .		13
18	LIRO: Tightly Coupled Lidar-Inertia-Ranging Odometry. , 2021, , .		13

#	ARTICLE	IF	CITATIONS
19	Post-Mission Autonomous Return and Precision Landing of UAV. , 2018, , .		11
20	Distributed multi-robot sweep coverage for a region with unknown workload distribution. Autonomous Intelligent Systems, 2021, 1, 1.	2.0	6
21	Barrier coverage by heterogeneous sensor network with input saturation. , 2017, , .		5
22	Model-free Approach for Sensor Network Localization with Noisy Distance Measurement. , 2018, , .		5
23	Least-square based recursive optimization for distance-based source localization. , 2018, , .		2