Thien-Minh Nguyen

List of Publications by Citations

22 papers	206 citations	8 h-index	13 g-index
23 ext. papers	356 ext. citations	4.4 avg, IF	3.93 L-index

#	Paper	IF	Citations
22	Ultra-wideband aided fast localization and mapping system **2017**,		28
21	Distance-Based Cooperative Relative Localization for Leader-Following Control of MAVs. *IEEE Robotics and Automation Letters*, **2019**, 4, 3641-3648	4.2	18
20	Robust Target-Relative Localization with Ultra-Wideband Ranging and Communication **2018**,		17
19	Range-Focused Fusion of Camera-IMU-UWB for Accurate and Drift-Reduced Localization. *IEEE Robotics and Automation Letters*, **2021**, 6, 1678-1685	4.2	16
18	Single Landmark Distance-Based Navigation. *IEEE Transactions on Control Systems Technology*, **2020**, 28, 2021-2028	4.8	15
17	Integrated UWB-Vision Approach for Autonomous Docking of UAVs in GPS-denied Environments **2019**,		14
16	An Integrated Localization-Navigation Scheme for Distance-Based Docking of UAVs **2018**,		12
15	Persistently Excited Adaptive Relative Localization and Time-Varying Formation of Robot Swarms. *IEEE Transactions on Robotics*, **2020**, 36, 553-560	6.5	11
14	Graph Optimization Approach to Range-Based Localization. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12	7.3	8
13	MILIOM: Tightly Coupled Multi-Input Lidar-Inertia Odometry and Mapping. *IEEE Robotics and Automation Letters*, **2021**, 6, 5573-5580	4.2	7
12	Tightly-coupled ultra-wideband-aided monocular visual SLAM with degenerate anchor configurations. *Autonomous Robots*, **2020**, 44, 1519-1534	3	7
11	Loosely-Coupled Ultra-wideband-Aided Scale Correction for Monocular Visual Odometry. *Unmanned Systems*, **2020**, 08, 179-190	3	7
10	Post-Mission Autonomous Return and Precision Landing of UAV **2018**,		7
9	Correlation Flow: Robust Optical Flow Using Kernel Cross-Correlators **2018**,		7
8	Tightly-Coupled Single-Anchor Ultra-wideband-Aided Monocular Visual Odometry System **2020**,		6
7	VIRAL-Fusion: A Visual-Inertial-Ranging-Lidar Sensor Fusion Approach. *IEEE Transactions on Robotics*, **2021**, 1-20	6.5	6
6	NTU VIRAL: A visual-inertial-ranging-lidar dataset, from an aerial vehicle viewpoint. *International Journal of Robotics Research*,027836492110523	5.7	5

List of Publications

5	Barrier coverage by heterogeneous sensor network with input saturation **2017**,		4
4	Model-free Approach for Sensor Network Localization with Noisy Distance Measurement **2018**,		4
3	Flexible and Resource-Efficient Multi-Robot Collaborative Visual-Inertial-Range Localization. *IEEE Robotics and Automation Letters*, **2022**, 7, 928-935	4.2	3
2	Least-square based recursive optimization for distance-based source localization **2018**,		2
1	Distributed multi-robot sweep coverage for a region with unknown workload distribution. *Autonomous Intelligent Systems*, **2021**, 1, 1		