

Hyungtae Lim

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Deep Learning-Aided Synthetic Airspeed Estimation of UAVs for Analytical Redundancy With a Temporal Convolutional Network. IEEE Robotics and Automation Letters, 2022, 7, 17-24. | 5.1 | 4 |
| 2 | What if there was no revisit? Large-scale graph-based SLAM with traffic sign detection in an HD map using LiDAR inertial odometry. Intelligent Service Robotics, 2022, 15, 161-170. | 2.6 | 8 |
| 3 | G2P-SLAM: Generalized RGB-D SLAM Framework for Mobile Robots in Low-Dynamic Environments. IEEE Access, 2022, 10, 21370-21383. | 4.2 | 8 |
| 4 | TRAVEL: Traversable Ground and Above-Ground Object Segmentation Using Graph Representation of 3D LiDAR Scans. IEEE Robotics and Automation Letters, 2022, 7, 7255-7262. | 5.1 | 9 |
| 5 | A Single Correspondence Is Enough: Robust Global Registration to Avoid Degeneracy in Urban Environments. , 2022, , . | | 13 |
| 6 | PaGO-LOAM: Robust Ground-Optimized LiDAR Odometry. , 2022, , . | | 7 |
| 7 | ERASOR: Egocentric Ratio of Pseudo Occupancy-Based Dynamic Object Removal for Static 3D Point Cloud Map Building. IEEE Robotics and Automation Letters, 2021, 6, 2272-2279. | 5.1 | 83 |
| 8 | Patchwork: Concentric Zone-Based Region-Wise Ground Segmentation With Ground Likelihood Estimation Using a 3D LiDAR Sensor. IEEE Robotics and Automation Letters, 2021, 6, 6458-6465. | 5.1 | 53 |
| 9 | State Estimation for HALE UAVs With Deep-Learning-Aided Virtual AOA/SSA Sensors for Analytical Redundancy. IEEE Robotics and Automation Letters, 2021, 6, 5276-5283. | 5.1 | 11 |
| 10 | Low-level Pose Control of Tilting Multirotor for Wall Perching Tasks Using Reinforcement Learning. , 2021, , . | | 6 |
| 11 | REAL: Rapid Exploration with Active Loop-Closing toward Large-Scale 3D Mapping using UAVs. , 2021, , . | | 21 |
| 12 | Normal Distributions Transform is Enough: Real-time 3D Scan Matching for Pose correction of Mobile Robot Under Large Odometry Uncertainties. , 2020, , . | | 17 |
| 13 | MSDPN: Monocular Depth Prediction with Partial Laser Observation using Multi-stage Neural Networks. , 2020, , . | | 4 |
| 14 | UWB-based Indoor Localization Using Ray-tracing Algorithm. , 2019, , . | | 14 |
| 15 | RONet: Real-time Range-only Indoor Localization via Stacked Bidirectional LSTM with Residual Attention. , 2019, , . | | 15 |