Gim Hee Lee

List of Publications by Year
in descending order

32 papers	2,175 citations	1478505 6 h-index	1872680 6 g-index
32 all docs	32 docs citations	32 times ranked	1619 citing authors

#	Article	IF	Citations
1	PIXHAWK: A micro aerial vehicle design for autonomous flight using onboard computer vision. Autonomous Robots, 2012, 33, 21-39.	4.8	308
2	RPM-Net: Robust Point Matching Using Learned Features. , 2020, , .		245
3	PointNetVLAD: Deep Point Cloud Based Retrieval for Large-Scale Place Recognition. , 2018, , .		233
4	Vision-based autonomous mapping and exploration using a quadrotor MAV. , 2012, , .		214
5	Convolutional Sequence to Sequence Model for Human Dynamics. , 2018, , .		181
6	3D visual perception for self-driving cars using a multi-camera system: Calibration, mapping, localization, and obstacle detection. Image and Vision Computing, 2017, 68, 14-27.	4.5	147
7	Generating Multiple Hypotheses for 3D Human Pose Estimation With Mixture Density Network. , 2019, , .		118
8	USIP: Unsupervised Stable Interest Point Detection From 3D Point Clouds. , 2019, , .		102
9	Motion Estimation for Self-Driving Cars with a Generalized Camera. , 2013, , .		100
10	Toward automated driving in cities using close-to-market sensors: An overview of the V-Charge Project. , 2013, , .		85
11	Autonomous Visual Mapping and Exploration With a Micro Aerial Vehicle. Journal of Field Robotics, 2014, 31, 654-675.	6.0	69
12	Self-calibration and visual SLAM with a multi-camera system on a micro aerial vehicle. Autonomous Robots, 2015, 39, 259-277.	4.8	55
13	Relative Pose Estimation for a Multi-camera System with Known Vertical Direction. , 2014, , .		48
14	Infrastructure-based calibration of a multi-camera rig. , 2014, , .		35
15	A benchmarking tool for MAV visual pose estimation. , 2010, , .		29
16	A minimal solution to the rolling shutter pose estimation problem. , 2015, , .		28
17	Source-Free Open Compound Domain Adaptation in Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7019-7032.	8.3	27
18	Sparse to Dense 3D Reconstruction from Rolling Shutter Images. , 2016, , .		22

#	Article	IF	Citations
19	SFly: Swarm of micro flying robots. , 2012, , .		21
20	Transferable Semi-Supervised 3D Object Detection From RGB-D Data. , 2019, , .		21
21	Self-Calibration and Visual SLAM with a Multi-Camera System on a Micro Aerial Vehicle. , 0, , .		18
22	A Minimal Solution for Non-perspective Pose Estimation from Line Correspondences. Lecture Notes in Computer Science, 2016, , 170-185.	1.3	14
23	Unsupervised learning of threshold for geometric verification in visual-based loop-closure. , 2014, , .		11
24	Robust Point Cloud Based Reconstruction of Large-Scale Outdoor Scenes. , 2019, , .		11
25	RS-SLAM: RANSAC sampling for visual FastSLAM. , 2011, , .		10
26	Structureless pose-graph loop-closure with a multi-camera system on a self-driving car. , 2013, , .		10
27	MAV visual SLAM with plane constraint. , 2011, , .		9
28	Rotating magnetic micro-robots for versatile non-contact fluidic manipulation of micro-objects. , 2011, , .		2
29	Line Association and Vanishing Point Estimation with Binary Quadratic Programming. , 2017, , .		1
30	RSSI-based physical layout classification and Target Tethering in mobile ad-hoc networks. , 2011, , .		1
31	Solving the Perspective-2-Point Problem for Flying-Camera Photo Composition. , 2018, , .		0
32	Learning Low-Rank Images for Robust All-Day Feature Matching. , 2019, , .		0