Mingyang Li

List of Publications by Year
in descending order

16 papers	1,175 citations	1478505 6 h-index	1872680 6 g-index
17 all docs	17 docs citations	17 times ranked	833 citing authors

#	ARTICLE	IF	CITATIONS
1	High-precision, consistent EKF-based visual-inertial odometry. International Journal of Robotics Research, 2013, 32, 690-711.	8.5	577
2	Improving the accuracy of EKF-based visual-inertial odometry. , 2012, , .		115
3	Online temporal calibration for camera–IMU systems: Theory and algorithms. International Journal of Robotics Research, 2014, 33, 947-964.	8.5	96
4	Real-time motion tracking on a cellphone using inertial sensing and a rolling-shutter camera. , 2013, , .		75
5	High-fidelity sensor modeling and self-calibration in vision-aided inertial navigation. , 2014, , .		75
6	3-D motion estimation and online temporal calibration for camera-IMU systems. , 2013, , .		60
7	Observability-Aware Self-Calibration of Visual and Inertial Sensors for Ego-Motion Estimation. IEEE Sensors Journal, 2019, 19, 3846-3860.	4.7	33
8	Vision-aided inertial navigation for resource-constrained systems. , 2012, , .		27
9	Pose Estimation for Ground Robots: On Manifold Representation, Integration, Reparameterization, and Optimization. IEEE Transactions on Robotics, 2021, 37, 1081-1099.	10.3	22
10	Vision-Aided Localization For Ground Robots. , 2019, , .		20
11	A Lightweight and Accurate Localization Algorithm Using Multiple Inertial Measurement Units. IEEE Robotics and Automation Letters, 2020, 5, 1508-1515.	5.1	20
12	Visual-inertial self-calibration on informative motion segments. , 2017, , .		16
13	Road Mapping and Localization Using Sparse Semantic Visual Features. IEEE Robotics and Automation Letters, 2021, 6, 8118-8125.	5.1	14
14	A particle filter for monocular vision-aided odometry. , 2011, , .		12
15	SDF-Loc: Signed Distance Field based 2D Relocalization and Map Update in Dynamic Environments. , 2019, , .		8
16	Perception System Design for Low-Cost Commercial Ground Robots: Sensor Configurations, Calibration, Localization and Mapping. , 2019, , .		5