Donghwa Lee

List of Publications by Year
in descending order

17 papers	366 citations	1307594 7 h-index	1720034 7 g-index
18 all docs	18 docs citations	18 times ranked	378 citing authors

#	Article	IF	Citations
1	Vision-based object detection and tracking for autonomous navigation of underwater robots. Ocean Engineering, 2012, 48, 59-68.	4.3	157
2	Artificial landmark-based underwater localization for AUVs using weighted template matching. Intelligent Service Robotics, 2014, 7, 175-184.	2.6	46
3	Solution to the SLAM Problem in Low Dynamic Environments Using a Pose Graph and an RGB-D Sensor. Sensors, 2014, 14, 12467-12496.	3.8	33
4	Object detection and tracking for autonomous underwater robots using weighted template matching. , 2012, , .		26
5	Graph Structure-Based Simultaneous Localization and Mapping Using a Hybrid Method of 2D Laser Scan and Monocular Camera Image in Environments with Laser Scan Ambiguity. Sensors, 2015, 15, 15830-15852.	3.8	22
6	Development and experimental testing of an autonomous jellyfish detection and removal robot system. International Journal of Control, Automation and Systems, 2016, 14, 312-322.	2.7	14
7	Experiments on localization of an AUV using graph-based SLAM. , 2013, , .		13
8	A Probabilistic Feature Map-Based Localization System Using a Monocular Camera. Sensors, 2015, 15, 21636-21659.	3.8	13
9	AUV SLAM using forward/downward looking cameras and artificial landmarks. , 2017, , .		12
10	Source Information Estimation Using Enemy's Single-Ping and Geographic Information in Non-cooperative Bistatic Sonar. IEEE Sensors Journal, 2012, 12, 2784-2790.	4.7	9
11	Mobile robot localization by matching 2D image features to 3D point cloud. , 2013, , .		6
12	Image-based localization using prior map database and Monte Carlo Localization. , 2014, , .		6
13	Development of jellyfish removal robot system JEROS. , 2012, , .		5
14	GPU-based real-time RGB-D 3D SLAM. , 2012, , .		4
15	Pose graph SLAM-based displacement estimation for a multiple structural displacement monitoring system. , 2014, , .		0
16	Experimental tests of vision-based artificial landmark detection using random forests and particle filter. , 2014, , .		0
17	Source ranging with an underwater geographic point in non-cooperative bistatic sonar. Measurement Science and Technology, 2014, 25, 015004.	2.6	0