

Jungwook Han

List of Publications by Year in descending order

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516710

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all docs

71
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71
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient COLREG-Compliant Collision Avoidance in Multi-Ship Encounter Situations. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1899-1911.	8.0	48
2	Intent Inference-Based Ship Collision Avoidance in Encounters With Rule-Violating Vessels. IEEE Robotics and Automation Letters, 2022, 7, 518-525.	5.1	6
3	Bearing-Constrained Formation Tracking Control of Nonholonomic Agents Without Inter-Agent Communication. , 2022, 6, 2401-2406.		6
4	Robust Underwater Localization Using Acoustic Image Alignment for Autonomous Intervention Systems. IEEE Access, 2022, 10, 58447-58457.	4.2	3
5	Underwater localization using an optic and acoustic stereo imaging system for autonomous intervention robots. Electronics Letters, 2022, 58, 597-599.	1.0	0
6	Enhanced Target Ship Tracking With Geometric Parameter Estimation for Unmanned Surface Vehicles. IEEE Access, 2021, 9, 39864-39872.	4.2	7
7	Sensor fusion of two sonar devices for underwater 3D mapping with an AUV. Autonomous Robots, 2021, 45, 543.	4.8	14
8	Intent Inference of Ship Collision Avoidance Behavior Under Maritime Traffic Rules. IEEE Access, 2021, 9, 5598-5608.	4.2	10
9	Robust Data Association for Multi-Object Detection in Maritime Environments Using Camera and Radar Measurements. IEEE Robotics and Automation Letters, 2021, 6, 5865-5872.	5.1	11
10	Model-referenced pose estimation using monocular vision for autonomous intervention tasks. Autonomous Robots, 2020, 44, 205-216.	4.8	8
11	Robust Loop Closure Method for Multi-Robot Map Fusion by Integration of Consistency and Data Similarity. IEEE Robotics and Automation Letters, 2020, 5, 5701-5708.	5.1	16
12	Three-dimensional Visual Mapping of Underwater Ship Hull Surface Using Piecewise-planar SLAM. International Journal of Control, Automation and Systems, 2020, 18, 564-574.	2.7	22
13	Collaborative Mission and Route Planning of Multi-vehicle Systems for Autonomous Search in Marine Environment. International Journal of Control, Automation and Systems, 2020, 18, 546-555.	2.7	10
14	Semantic Segmentation of Marine Radar Images using Convolutional Neural Networks. , 2019, , .		6
15	Nonlinear Model Predictive Control of an Autonomous Underwater Vehicle for Terrain Profile Tracking. , 2019, , .		1
16	Mismatched image identification using histogram of loop closure error for feature-based optical mapping. International Journal of Intelligent Robotics and Applications, 2019, 3, 196-206.	2.8	0
17	Fusing Lidar Data and Aerial Imagery with Perspective Correction for Precise Localization in Urban Canyons. , 2019, , .		5
18	Three-Dimensional Reconstruction of a Marine Floating Structure With an Unmanned Surface Vessel. IEEE Journal of Oceanic Engineering, 2019, 44, 984-996.	3.8	12

#	ARTICLE	IF	CITATIONS
19	Precise Localization and Mapping in Indoor Parking Structures via Parameterized SLAM. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4415-4426.	8.0	28
20	In-water visual ship hull inspection using a hover-capable underwater vehicle with stereo vision. Journal of Field Robotics, 2019, 36, 531-546.	6.0	35
21	Coastal SLAM With Marine Radar for USV Operation in GPS-Restricted Situations. IEEE Journal of Oceanic Engineering, 2019, 44, 300-309.	3.8	43
22	Selective image registration for efficient visual SLAM on planar surface structures in underwater environment. Autonomous Robots, 2019, 43, 1665-1679.	4.8	10
23	Intent inference of ship maneuvering for automatic ship collision avoidance. IFAC-PapersOnLine, 2018, 51, 384-388.	0.9	15
24	Vehicle Localization in Urban Environment Using a 2D Online Map with Building Outlines. , 2018, , .		2
25	A Comparison of Nonlinear Filter Algorithms for Terrain-referenced Underwater Navigation. International Journal of Control, Automation and Systems, 2018, 16, 2977-2989.	2.7	29
26	Predictive Evaluation of Ship Collision Risk Using the Concept of Probability Flow. IEEE Journal of Oceanic Engineering, 2017, 42, 836-845.	3.8	44
27	Panel-based bathymetric SLAM with a multibeam echosounder. , 2017, , .		2
28	Coordinated weathervaning control of two surface vessels in a tandem configuration. Ocean Engineering, 2017, 130, 142-155.	4.3	10
29	Lidar-guided autonomous landing of an aerial vehicle on a ground vehicle. , 2017, , .		12
30	A quadratic-cost dual control-based approach for optimal trajectory planning under uncertainty. International Journal of Control, Automation and Systems, 2017, 15, 2253-2261.	2.7	2
31	Fast Underwater Image Mosaicing through Submapping. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 85, 167-187.	3.4	7
32	Development of an Unmanned Surface Vehicle System for the 2014 Maritime RobotX Challenge. Journal of Field Robotics, 2017, 34, 644-665.	6.0	22
33	Persistent automatic tracking of multiple surface vessels by fusing radar and lidar. , 2017, , .		19
34	Collision probability assessment between surface ships considering maneuver intentions. , 2017, , .		6
35	Semantic segmentation of urban scenes with a location prior map using lidar measurements. , 2017, , .		8
36	Automatic Detection of Nearby Ships using Monocular Vision for Autonomous Navigation of USVs. Journal of Institute of Control, Robotics and Systems, 2017, 23, 416-423.	0.2	7

#	ARTICLE	IF	CITATIONS
37	Efficient visual SLAM using selective image registration for autonomous inspection of underwater structures. , 2016, , .		4
38	Probabilistic quantification of ship collision risk considering trajectory uncertainties. IFAC-PapersOnLine, 2016, 49, 109-114.	0.9	12
39	High-precision underwater navigation using model-referenced pose estimation with monocular vision. , 2016, , .		3
40	GPS-less Coastal Navigation using Marine Radar for USV Operation. IFAC-PapersOnLine, 2016, 49, 598-603.	0.9	17
41	Three-dimensional reconstruction of a semi-submersible offshore platform with an unmanned surface vehicle. , 2016, , .		4
42	Semantic segmentation of urban scenes with enhanced spatial contexts. , 2016, , .		3
43	Visual SLAM with keyframe selection for underwater structure inspection using an autonomous underwater vehicle. , 2016, , .		1
44	Path optimization for marine vehicles in ocean currents using reinforcement learning. Journal of Marine Science and Technology, 2016, 21, 334-343.	2.9	79
45	Mobile robot navigation using grid line patterns via probabilistic measurement modeling. Intelligent Service Robotics, 2016, 9, 141-151.	2.6	2
46	Online underwater optical mapping for trajectories with gaps. Intelligent Service Robotics, 2016, 9, 217-229.	2.6	4
47	A robust loop-closure method for visual SLAM in unstructured seafloor environments. Autonomous Robots, 2016, 40, 1095-1109.	4.8	22
48	Track Initiation and Target Tracking Filter Using LiDAR for Ship Tracking in Marine Environment. Journal of Institute of Control, Robotics and Systems, 2016, 22, 133-138.	0.2	3
49	Autonomous collision avoidance for unmanned surface ships using onboard monocular vision. , 2015, , .		2
50	Development of USV Autonomy for the 2014 Maritime RobotX Challenge. IFAC-PapersOnLine, 2015, 48, 13-18.	0.9	4
51	Relative navigation with passive underwater acoustic sensing. , 2015, , .		4
52	Underwater visual SLAM with loop-closure using image-to-image link recovery. , 2015, , .		3
53	Constrained motion planning for robot manipulators using local geometric information. Advanced Robotics, 2015, 29, 1611-1623.	1.8	3
54	Planar SLAM under a semi-submersible offshore platform with an unmanned surface vehicle. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Integral sliding mode controller for precise manoeuvring of autonomous underwater vehicle in the presence of unknown environmental disturbances. <i>International Journal of Control</i> , 2015, 88, 2055-2065.	1.9	69
56	Passive target tracking of marine traffic ships using onboard monocular camera for unmanned surface vessel. <i>Electronics Letters</i> , 2015, 51, 987-989.	1.0	22
57	Precision navigation and mapping under bridges with an unmanned surface vehicle. <i>Autonomous Robots</i> , 2015, 38, 349-362.	4.8	45
58	Robust PID control for position tracking of an underwater manipulator. , 2015, , .		0
59	Disturbance observer based terminal sliding mode control of an underwater manipulator. , 2014, , .		7
60	Three-dimensional reconstruction of bridge structures above the waterline with an unmanned surface vehicle. , 2014, , .		4
61	DOTS: A Propagation Delay-Aware Opportunistic MAC Protocol for Mobile Underwater Networks. <i>IEEE Transactions on Mobile Computing</i> , 2014, 13, 766-782.	5.8	87
62	Task space-based control of an underwater robotic system for position keeping in ocean currents. <i>Advanced Robotics</i> , 2014, 28, 1109-1119.	1.8	14
63	Nonlinear filtering for terrain-referenced underwater navigation with an acoustic altimeter. , 2014, , .		4
64	Match elimination using cycle basis in underwater optical mapping. , 2013, , .		0
65	Beaconless navigation for mobile robots using grid line pattern. , 2013, , .		2
66	Navigation of an unmanned surface vessel under bridges. , 2013, , .		7
67	A null space control of an underactuated underwater vehicle-manipulator system under ocean currents. , 2012, , .		5
68	An inviscid model of vortex shedding flow around an oscillating flat plate. , 2012, , .		0
69	A nonlinear task space tracking control of an underactuated underwater vehicle. , 2012, , .		0
70	On data assimilation in a pseudo-spectral wave prediction model using a Kalman filter. , 2012, , .		0
71	An approach towards online bathymetric SLAM. , 2011, , .		6