Hongjian Wang

List of Publications by Year
in descending order

35	321	1163117 8	940533 16
papers	citations	h-index	g-index

35	35	35	330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Collision Avoidance Planning Method of USV Based on Improved Ant Colony Optimization Algorithm. IEEE Access, 2019, 7, 52964-52975.	4.2	61
2	A Novel GRU-RNN Network Model for Dynamic Path Planning of Mobile Robot. IEEE Access, 2019, 7, 15140-15151.	4.2	50
3	An improved recurrent neural network for unmanned underwater vehicle online obstacle avoidance. Ocean Engineering, 2019, 189, 106327.	4.3	38
4	AUV Obstacle Avoidance Planning Based on Deep Reinforcement Learning. Journal of Marine Science and Engineering, 2021, 9, 1166.	2.6	24
5	An Adaptive UKF Based SLAM Method for Unmanned Underwater Vehicle. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	22
6	Research on Unmanned Underwater Vehicle Threat Assessment. IEEE Access, 2019, 7, 11387-11396.	4.2	17
7	Image feature extraction based on improved FCN for UUV side-scan sonar. Marine Geophysical Researches, 2020, 41, 1.	1.2	15
8	A Gated Recurrent Unit-Based Particle Filter for Unmanned Underwater Vehicle State Estimation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	13
9	Task allocation and online path planning for AUV swarm cooperation. , 2017, , .		10
10	Passive Sonar Target Tracking Based on Deep Learning. Journal of Marine Science and Engineering, 2022, 10, 181.	2.6	9
11	Research on UUV Obstacle Avoiding Method Based on Recurrent Neural Networks. Complexity, 2019, 2019, 1-16.	1.6	7
12	IIE-SegNet: Deep Semantic Segmentation Network With Enhanced Boundary Based on Image Information Entropy. IEEE Access, 2021, 9, 40612-40622.	4.2	7
13	UUV Path Planning for Collision Avoidance Based on Ant Colony Algorithm. , 2020, , .		6
14	Adaptive neural network controller applied to dynamic positioning of a remotely operated vehicle. , 2013, , .		5
15	A vector polar histogram method based obstacle avoidance planning for AUV. , 2013, , .		5
16	UUV Autonomous Decision-Making Method Based on Dynamic Influence Diagram. Complexity, 2020, 2020, 1-14.	1.6	4
17	Monocular VO Based on Deep Siamese Convolutional Neural Network. Complexity, 2020, 2020, 1-13.	1.6	4
18	Feature Extraction for Side Scan Sonar Image Based on Deep Learning. , 2021, , .		4

#	Article	IF	Citations
19	Passive nonlinear observer design for special structure vessels. , 2013, , .		3
20	UUV path planning method based on QPSO. , 2020, , .		3
21	Research on UUVs Swarm Threat Assessment and Strategy Selection. , 2020, , .		3
22	Multi-UUV formation coordination control based on virtual navigator. , 2020, , .		2
23	Adaptive Weight Update Algorithm for Target Tracking of UUV Based on Improved Gaussian Mixture Cubature Kalman Filter. Complexity, 2020, 2020, 1-12.	1.6	2
24	Method of Unknown Target Risk Analysis and Threat Assessment for UUVs. , 2020, , .		2
25	Simulation of multiple AUVs underwater wireless recharging. , 2013, , .		1
26	Support Vector Regression-Based Adaptive Divided Difference Filter for Nonlinear State Estimation Problems. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.9	1
27	Research on Roll Stabilizing Based on Energy Optimization for Autonomous Surface Vehicle. Journal of Applied Mathematics, 2014, 2014, 1-15.	0.9	1
28	Research on Deep Learning Methods of UUV Maneuvering Target Tracking. , 2020, , .		1
29	Research on Path Following Control of Unmanned Surface Vehicle Based on Model Predictive Control with Improved Artificial Bee Colony Algorithm. , 2022, , .		1
30	Research on cooperation mission control of AUVs based on Semantic Knowledge Framework. , 2013, , .		0
31	An Improved Gaussian Mixture CKF Algorithm under Non-Gaussian Observation Noise. Discrete Dynamics in Nature and Society, 2016, 2016, 1-10.	0.9	0
32	Adaptive fuzzy control for Dynamic Positioning ships with time-delay of actuator. , 2016, , .		0
33	A New State Estimation Method with Radar Measurement Missing. Complexity, 2018, 2018, 1-10.	1.6	0
34	Formation tracking of multiple amphibious robots with unknown nonlinear dynamics. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093854.	2.1	0
35	An underwater maneuvering target tracking method with compensation mechanism under short-term sensor failure. , 2021, , .		0