Hongjian Wang

List of Publications by Year
in descending order

35 papers	321 citations	1163117 8 h-index	940533 16 g-index
35 all docs	35 docs citations	35 times ranked	330 citing authors

#	Article	IF	Citations
1	Passive Sonar Target Tracking Based on Deep Learning. Journal of Marine Science and Engineering, 2022, 10, 181.	2.6	9
2	Research on Path Following Control of Unmanned Surface Vehicle Based on Model Predictive Control with Improved Artificial Bee Colony Algorithm. , 2022, , .		1
3	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
4	IIE-SegNet: Deep Semantic Segmentation Network With Enhanced Boundary Based on Image Information Entropy. IEEE Access, 2021, 9, 40612-40622.	4.2	7
5	An underwater maneuvering target tracking method with compensation mechanism under short-term sensor failure. , 2021, , .		0
6	Feature Extraction for Side Scan Sonar Image Based on Deep Learning. , 2021, , .		4
7	AUV Obstacle Avoidance Planning Based on Deep Reinforcement Learning. Journal of Marine Science and Engineering, 2021, 9, 1166.	2.6	24
8	UUV Autonomous Decision-Making Method Based on Dynamic Influence Diagram. Complexity, 2020, 2020, 1-14.	1.6	4
9	Formation tracking of multiple amphibious robots with unknown nonlinear dynamics. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093854.	2.1	0
10	Multi-UUV formation coordination control based on virtual navigator. , 2020, , .		2
11	UUV Path Planning for Collision Avoidance Based on Ant Colony Algorithm. , 2020, , .		6
12	Image feature extraction based on improved FCN for UUV side-scan sonar. Marine Geophysical Researches, 2020, 41, 1.	1.2	15
13	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
14	Monocular VO Based on Deep Siamese Convolutional Neural Network. Complexity, 2020, 2020, 1-13.	1.6	4
15	Method of Unknown Target Risk Analysis and Threat Assessment for UUVs. , 2020, , .		2
16	UUV path planning method based on QPSO. , 2020, , .		3
17	Research on Deep Learning Methods of UUV Maneuvering Target Tracking. , 2020, , .		1
18	Research on UUVs Swarm Threat Assessment and Strategy Selection. , 2020, , .		3

#	Article	IF	Citations
19	An improved recurrent neural network for unmanned underwater vehicle online obstacle avoidance. Ocean Engineering, 2019, 189, 106327.	4.3	38
20	A Novel GRU-RNN Network Model for Dynamic Path Planning of Mobile Robot. IEEE Access, 2019, 7, 15140-15151.	4.2	50
21	Research on Unmanned Underwater Vehicle Threat Assessment. IEEE Access, 2019, 7, 11387-11396.	4.2	17
22	Collision Avoidance Planning Method of USV Based on Improved Ant Colony Optimization Algorithm. IEEE Access, 2019, 7, 52964-52975.	4.2	61
23	Research on UUV Obstacle Avoiding Method Based on Recurrent Neural Networks. Complexity, 2019, 2019, 1-16.	1.6	7
24	A New State Estimation Method with Radar Measurement Missing. Complexity, 2018, 2018, 1-10.	1.6	0
25	Task allocation and online path planning for AUV swarm cooperation. , 2017, , .		10
26	An Improved Gaussian Mixture CKF Algorithm under Non-Gaussian Observation Noise. Discrete Dynamics in Nature and Society, 2016, 2016, 1-10.	0.9	0
27	Adaptive fuzzy control for Dynamic Positioning ships with time-delay of actuator. , 2016, , .		0
28	Support Vector Regression-Based Adaptive Divided Difference Filter for Nonlinear State Estimation Problems. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.9	1
29	Research on Roll Stabilizing Based on Energy Optimization for Autonomous Surface Vehicle. Journal of Applied Mathematics, 2014, 2014, 1-15.	0.9	1
30	Simulation of multiple AUVs underwater wireless recharging. , 2013, , .		1
31	Adaptive neural network controller applied to dynamic positioning of a remotely operated vehicle. , 2013, , .		5
32	Passive nonlinear observer design for special structure vessels. , 2013, , .		3
33	A vector polar histogram method based obstacle avoidance planning for AUV. , 2013, , .		5
34	An Adaptive UKF Based SLAM Method for Unmanned Underwater Vehicle. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	22
35	Research on cooperation mission control of AUVs based on Semantic Knowledge Framework. , 2013, , .		0