Hai Huang

List of Publications by Year
in descending order

36 papers	**533** citations	1040056 **9** h-index	752698 **20** g-index
36 all docs	**36** docs citations	**36** times ranked	**457** citing authors

#	Article	IF	Citations
1	An anthropomorphic robot hand developed based on underactuated mechanism and controlled by EMG signals. Journal of Bionic Engineering, 2009, 6, 255-263.	5.0	122
2	Faster R-CNN for marine organisms detection and recognition using data augmentation. Neurocomputing, 2019, 337, 372-384.	5.9	109
3	A novel adaptive second order sliding mode path following control for a portable AUV. Ocean Engineering, 2018, 151, 82-92.	4.3	71
4	A review on underwater autonomous environmental perception and target grasp, the challenge of robotic organism capture. Ocean Engineering, 2020, 195, 106644.	4.3	41
5	Vehicle-manipulator system dynamic modeling and control for underwater autonomous manipulation. Multibody System Dynamics, 2017, 41, 125-147.	2.7	28
6	Underwater Target Tracking Using Forward-Looking Sonar for Autonomous Underwater Vehicles. Sensors, 2020, 20, 102.	3.8	23
7	Design and Vision Based Autonomous Capture of Sea Organism With Absorptive Type Remotely Operated Vehicle. IEEE Access, 2018, 6, 73871-73884.	4.2	20
8	Uncalibrated Visual Servoing for Underwater Vehicle Manipulator Systems with an Eye in Hand Configuration Camera. Sensors, 2019, 19, 5469.	3.8	14
9	Chattering-suppression sliding mode control of an autonomous underwater vehicle based on nonlinear disturbance observer and power function reaching law. Transactions of the Institute of Measurement and Control, 2021, 43, 2081-2093.	1.7	12
10	Design and control of a coupling mechanism-based prosthetic hand. Journal of Shanghai Jiaotong University (Science), 2010, 15, 571-577.	0.9	11
11	Faster R-CNN for Marine Organism Detection and Recognition Using Data Augmentation. , 2017, , .		11
12	The effects of the circulating water tunnel wall and support struts on hydrodynamic coefficients estimation for autonomous underwater vehicles. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 1-10.	2.3	10
13	Optimal shape design of an autonomous underwater vehicle based on multi-objective particle swarm optimization. Natural Computing, 2020, 19, 733-742.	3.0	7
14	Underwater vehicle visual servo and target grasp control. , 2016, , .		6
15	Adaptive recurrent neural network motion control for observation class remotely operated vehicle manipulator system with modeling uncertainty. Advances in Mechanical Engineering, 2018, 10, 168781401880409.	1.6	6
16	Intelligent Target Visual Tracking and Control Strategy for Open Frame Underwater Vehicles. Robotica, 2021, 39, 1791-1805.	1.9	6
17	Observer-Based Dynamic Control of an Underactuated Hand. Advanced Robotics, 2010, 24, 123-137.	1.8	5
18	Hybrid Strategy-based Coordinate Controller for an Underwater Vehicle Manipulator System Using Nonlinear Disturbance Observer. Robotica, 2019, 37, 1710-1731.	1.9	5

#	Article	IF	Citations
19	Cognition-based hybrid path planning for autonomous underwater vehicle target following. International Journal of Advanced Robotic Systems, 2019, 16, 172988141985755.	2.1	4
20	Underwater Cage Boundary Detection Based on GLCM Features by Using SVM Classifier. , 2019, , .		4
21	UUV trajective tracking control based on ADRC. , 2016, , .		3
22	Multibody System-Based Adaptive Formation Scheme for Multiple Under-Actuated AUVs. Sensors, 2020, 20, 1943.	3.8	3
23	An Underwater Image Real-Time Registration Approach Based on SURF. Applied Mechanics and Materials, 0, 437, 888-893.	0.2	2
24	The development on a streamlined underwater vehicle for autonomous manipulation. , 2017, , .		2
25	Autonomous Underwater Pipeline Tracking Control Based on Visual Images. , 2018, , .		2
26	The Fault Tolerable Control System Structure of SY-II Remote Operated Vehicle. Advanced Materials Research, 0, 308-310, 1483-1491.	0.3	1
27	An anthropomorphic controlled hand prosthesis system. Journal of Zhejiang University: Science C, 2012, 13, 769-780.	0.7	1
28	A Novel Adaptive Underwater Image Biorthogonal Basic Wavelet Transform De-Noising Approach. Applied Mechanics and Materials, 0, 411-414, 1335-1340.	0.2	1
29	Adaptive AUV formation strategy under acoustic communication conditions. , 2014, , .		1
30	Research on Underwater Binocular Camera Calibration and Distortion Analysis in Current Disturbance. Applied Mechanics and Materials, 0, 548-549, 688-692.	0.2	1
31	Graph-Based Registration and Blending for Undersea Image Stitching. Robotica, 2020, 38, 396-409.	1.9	1
32	A Bio-Mechanical Designed Under-Actuated Hand and Force Control Schemes. Advanced Materials Research, 0, 538-541, 3281-3285.	0.3	0
33	Type-2 fuzzy logic neural network control and target following for Remote Operated Vehicles. , 2012, , .		0
34	A Novel Image Fusion Approach for Underwater Blurred Images. Applied Mechanics and Materials, 0, 427-429, 1807-1812.	0.2	0
35	Remote operated vehicle tether disturbances analysis and target tracking control. , 2014, , .		0
36	GSDCN: A Customized Two-Stage Neural Network for Benthonic Organism Detection. Lecture Notes in Computer Science, 2020, , 811-820.	1.3	0