Hongbo Wang

List of Publications by Year
in descending order

33 papers	184 citations	1307594 7 h-index	1125743 13 g-index
34 all docs	34 docs citations	34 times ranked	116 citing authors

#	Article	IF	Citations
1	Multi-Objective Weather Routing Algorithm for Ships Based on Hybrid Particle Swarm Optimization. Journal of Ocean University of China, 2022, 21, 28-38.	1.2	14
2	Collision-Avoidance Decision System for Inland Ships Based on Velocity Obstacle Algorithms. Journal of Marine Science and Engineering, 2022, 10, 814.	2.6	13
3	Application of Improved Multi-Objective Ant Colony Optimization Algorithm in Ship Weather Routing. Journal of Ocean University of China, 2021, 20, 45-55.	1.2	28
4	Path-Following Control Method for Surface Ships Based on a New Guidance Algorithm. Journal of Marine Science and Engineering, 2021, 9, 166.	2.6	5
5	Development of ship weather routing system with higher accuracy using SPSS and an improved genetic algorithm. Journal of Marine Science and Technology, 2021, 26, 1324-1339.	2.9	7
6	Multicriteria Ship Route Planning Method Based on Improved Particle Swarm Optimizationâ€“Genetic Algorithm. Journal of Marine Science and Engineering, 2021, 9, 357.	2.6	33
7	Improved light coupling efficiency of organic light-emitting diode and polymer optical waveguide integrated device by grating coupler. Optoelectronics Letters, 2021, 17, 598-603.	0.8	0
8	Research on Early Warning of Ship Danger Based on Composition Fuzzy Inference. Journal of Marine Science and Engineering, 2020, 8, 1002.	2.6	5
9	Distributed Multi-Objective Algorithm for Preventing Multi-Ship Collisions at Sea. Journal of Navigation, 2020, 73, 971-990.	1.7	21
10	Path Planning of Mobile Robot Based on an Improved Ant Colony Algorithm. Communications in Computer and Information Science, 2020, , 132-141.	0.5	1
11	Ship weather routing based on grid system and modified genetic algorithm. , 2019, , .		2
12	Shipâ€™s Trajectory Planning Based on Improved Multiobjective Algorithm for Collision Avoidance. Journal of Advanced Transportation, 2019, 2019, 1-12.	1.7	26
13	A Design of Autopilot Based on the Feedback Linearization Optimal Heading Control Algorithm. Journal of Information Technology Research, 2019, 12, 133-148.	0.5	1
14	Improved ant colony algorithm for global path planning. AIP Conference Proceedings, 2017, , .	0.4	6
15	Ship weather routing that accounts for ship stability and efficient ship routing based on modified genetic algorithm. , 2017, , .		0
16	An improved Aâˆ— algorithm for fuel-efficient ship weather routing. , 2017, , .		0
17	Multi-objective optimization in ship weather routing. , 2017, , .		6
18	Application of improved isochron method in shipâ€™s minimum voyage time weather routing. Vestnik Sankt-Peterburgskogo Universiteta, Prikladnaya Matematika, Informatika, Protsessy Upravleniya, 2017, 13, 286-299.	0.2	2

#	Article	IF	Citations
19	A method of the guaranteeing optimization for the dynamics of ship moving in wave. Vestnik Sankt-Peterburgskogo Universiteta, Prikladnaya Matematika, Informatika, Protsessy Upravleniya, 2017, 13, 354-364.	0.2	2
20	A method to determine the local optimal path of ship navigation for convex obstacle. , 2017, , .		0
21	Ship weather routing based on modified Dijkstra algorithm. , 2016, , .		3
22	Application of Industrial Control Configuration Software WinCC in the Monitoring System of Ship Steering Gear. , 2016, , .		0
23	Robust H â^ž Fuzzy Dynamic Output Feedback Control of Nonlinear NCS and Its Application. Lecture Notes in Electrical Engineering, 2015, , 169-179.	0.4	0
24	Object tracking and 3D coordinates estimation using nonlinear observer for a wheeled mobile robot with a single camera. , 2014, , .		0
25	Self-tuning PID control based on LSSVM for ship steering system. , 2014, , .		0
26	Fuzzy-immune PID controller for ship steering autopilot. , 2014, , .		0
27	Design and simulation research of anti-rolling tanks system. , 2014, , .		1
28	The design of electric simulation steering gear based on PLC. , 2011, , .		0
29	Study of efficient ship heading controller. , 2011, , .		0
30	Adaptive fuzzy controller for track-keeping in autopilot simulator system. , 2011, , .		0
31	Synthesis of dynamic corrector to improve accuracy of course stabilization. , 2011, , .		0
32	Effect of additives on the morphologies of silver nanostructures prepared by galvanic displacement reaction. Solid State Sciences, 2010, 12, 1287-1291.	3.2	7
33	Simulation Study on Ship Motion Control Algorithm Based on AOCS Structure. , 2010, , .		1