Yamin Huang

List of Publications by Year
in descending order

26 papers	**1,439** citations	394421 **19** h-index	552781 **26** g-index
26 all docs	**26** docs citations	**26** times ranked	**479** citing authors

#	Article	IF	Citations
1	Ontological Ship Behavior Modeling Based on COLREGs for Knowledge Reasoning. Journal of Marine Science and Engineering, 2022, 10, 203.	2.6	10
2	Node importance evaluation in marine traffic situation complex network for intelligent maritime supervision. Ocean Engineering, 2022, 247, 110742.	4.3	25
3	Will sailing in formation reduce energy consumption? Numerical prediction of resistance for ships in different formation configurations. Applied Energy, 2022, 312, 118695.	10.1	6
4	Survey on Cooperative Control for Waterborne Transport. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 71-90.	3.8	16
5	Comparison between the collision avoidance decision-making in theoretical research and navigation practices. Ocean Engineering, 2021, 228, 108881.	4.3	29
6	From Automation System to Autonomous System: An Architecture Perspective. Journal of Marine Science and Engineering, 2021, 9, 645.	2.6	18
7	An empirical ship domain based on evasive maneuver and perceived collision risk. Reliability Engineering and System Safety, 2021, 213, 107752.	8.9	56
8	A rule-aware time-varying conflict risk measure for MASS considering maritime practice. Reliability Engineering and System Safety, 2021, 215, 107816.	8.9	23
9	Marine traffic profile for enhancing situational awareness based on complex network theory. Ocean Engineering, 2021, 241, 110049.	4.3	11
10	Time‐Varying Risk Measurement for Ship Collision Prevention. Risk Analysis, 2020, 40, 24-42.	2.7	48
11	Ship collision avoidance methods: State-of-the-art. Safety Science, 2020, 121, 451-473.	4.9	248
12	Cooperative Multi-Vessel Systems in Urban Waterway Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3294-3307.	8.0	43
13	An improved time discretized non-linear velocity obstacle method for multi-ship encounter detection. Ocean Engineering, 2020, 196, 106718.	4.3	36
14	A COLREG-compliant ship collision alert system for stand-on vessels. Ocean Engineering, 2020, 218, 107866.	4.3	33
15	Global path planning for autonomous ship: A hybrid approach of Fast Marching Square and velocity obstacles methods. Ocean Engineering, 2020, 214, 107793.	4.3	50
16	Empirical analysis of complex network for marine traffic situation. Ocean Engineering, 2020, 214, 107848.	4.3	22
17	A ship collision avoidance system for human-machine cooperation during collision avoidance. Ocean Engineering, 2020, 217, 107913.	4.3	46
18	Improving stand-on ship's situational awareness by estimating the intention of the give-way ship. Ocean Engineering, 2020, 201, 107110.	4.3	60

#	Article	IF	Citations
19	Collision risk measure for triggering evasive actions of maritime autonomous surface ships. Safety Science, 2020, 127, 104708.	4.9	48
20	Collision Avoidance Systems for Maritime Autonomous Surface Ships Considering Uncertainty in Ship Dynamics. IFAC-PapersOnLine, 2020, 53, 14614-14619.	0.9	2
21	Comparative analysis of marine traffic flow in classical models. Ocean Engineering, 2019, 187, 106195.	4.3	9
22	Probabilistic risk analysis for ship-ship collision: State-of-the-art. Safety Science, 2019, 117, 108-122.	4.9	153
23	Generalized velocity obstacle algorithm for preventing ship collisions at sea. Ocean Engineering, 2019, 173, 142-156.	4.3	143
24	Velocity obstacle algorithms for collision prevention at sea. Ocean Engineering, 2018, 151, 308-321.	4.3	115
25	Ship collision candidate detection method: A velocity obstacle approach. Ocean Engineering, 2018, 170, 186-198.	4.3	112
26	Modelling of marine traffic flow complexity. Ocean Engineering, 2015, 104, 500-510.	4.3	77