Yamin Huang

List of Publications by Year
in descending order

26	1,439	394421	552781
papers	citations	19 h-index	26 g-index

26	26	26	479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ship collision avoidance methods: State-of-the-art. Safety Science, 2020, 121, 451-473.	4.9	248
2	Probabilistic risk analysis for ship-ship collision: State-of-the-art. Safety Science, 2019, 117, 108-122.	4.9	153
3	Generalized velocity obstacle algorithm for preventing ship collisions at sea. Ocean Engineering, 2019, 173, 142-156.	4.3	143
4	Velocity obstacle algorithms for collision prevention at sea. Ocean Engineering, 2018, 151, 308-321.	4.3	115
5	Ship collision candidate detection method: A velocity obstacle approach. Ocean Engineering, 2018, 170, 186-198.	4.3	112
6	Modelling of marine traffic flow complexity. Ocean Engineering, 2015, 104, 500-510.	4.3	77
7	Improving stand-on ship's situational awareness by estimating the intention of the give-way ship. Ocean Engineering, 2020, 201, 107110.	4.3	60
8	An empirical ship domain based on evasive maneuver and perceived collision risk. Reliability Engineering and System Safety, 2021, 213, 107752.	8.9	56
9	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
10	Timeâ€Varying Risk Measurement for Ship Collision Prevention. Risk Analysis, 2020, 40, 24-42.	2.7	48
11	Collision risk measure for triggering evasive actions of maritime autonomous surface ships. Safety Science, 2020, 127, 104708.	4.9	48
12	A ship collision avoidance system for human-machine cooperation during collision avoidance. Ocean Engineering, 2020, 217, 107913.	4.3	46
13	Cooperative Multi-Vessel Systems in Urban Waterway Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3294-3307.	8.0	43
14	An improved time discretized non-linear velocity obstacle method for multi-ship encounter detection. Ocean Engineering, 2020, 196, 106718.	4.3	36
15	A COLREG-compliant ship collision alert system for stand-on vessels. Ocean Engineering, 2020, 218, 107866.	4.3	33
16	Comparison between the collision avoidance decision-making in theoretical research and navigation practices. Ocean Engineering, 2021, 228, 108881.	4.3	29
17	Node importance evaluation in marine traffic situation complex network for intelligent maritime supervision. Ocean Engineering, 2022, 247, 110742.	4.3	25
18	A rule-aware time-varying conflict risk measure for MASS considering maritime practice. Reliability Engineering and System Safety, 2021, 215, 107816.	8.9	23

#	Article	IF	Citations
19	Empirical analysis of complex network for marine traffic situation. Ocean Engineering, 2020, 214, 107848.	4.3	22
20	From Automation System to Autonomous System: An Architecture Perspective. Journal of Marine Science and Engineering, 2021, 9, 645.	2.6	18
21	Survey on Cooperative Control for Waterborne Transport. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 71-90.	3.8	16
22	Marine traffic profile for enhancing situational awareness based on complex network theory. Ocean Engineering, 2021, 241, 110049.	4.3	11
23	Ontological Ship Behavior Modeling Based on COLREGs for Knowledge Reasoning. Journal of Marine Science and Engineering, 2022, 10, 203.	2.6	10
24	Comparative analysis of marine traffic flow in classical models. Ocean Engineering, 2019, 187, 106195.	4.3	9
25	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
26	Collision Avoidance Systems for Maritime Autonomous Surface Ships Considering Uncertainty in Ship Dynamics. IFAC-PapersOnLine, 2020, 53, 14614-14619.	0.9	2