

# Jinxian Weng

## List of Publications by Year in descending order

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93  
papers

2,506  
citations

159358

30  
h-index

233125

45  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Verification analysis of relationship between driving failure probability and traffic accident rate. <i>Journal of Transportation Safety and Security</i> , 2023, 15, 563-583.	1.1	0
2	A three-step methodology to complement underreporting maritime accident records. <i>Journal of Transportation Safety and Security</i> , 2022, 14, 1451-1469.	1.1	1
3	Spatial-temporal varying coefficient model for lane-changing behavior in work zone merging areas. <i>Journal of Transportation Safety and Security</i> , 2022, 14, 949-972.	1.1	9
4	Incorporating multi-scenario underreporting rates into MICE for underreported maritime accident record analysis. <i>Ocean Engineering</i> , 2022, 246, 110620.	1.9	8
5	Detection of abnormal ship trajectory based on the complex polygon. <i>Journal of Navigation</i> , 2022, 75, 966-983.	1.0	3
6	Impact analysis of ECA policies on ship trajectories and emissions. <i>Marine Pollution Bulletin</i> , 2022, 179, 113687.	2.3	12
7	Bootstrap-Tobit model for maritime accident economic loss considering underreporting issues. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 1055-1076.	1.3	2
8	Evaluation of travel delay and accident risk at moving work zones. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 622-641.	1.1	9
9	A quantitative risk assessment model for evaluating hazmat transportation accident risk. <i>Safety Science</i> , 2021, 137, 105198.	2.6	17
10	Impact analysis of external factors on human errors using the ARBN method based on small-sample ship collision records. <i>Ocean Engineering</i> , 2021, 236, 109533.	1.9	18
11	Impacts of the COVID-19 epidemic on merchant ship activity and pollution emissions in Shanghai port waters. <i>Science of the Total Environment</i> , 2021, 790, 148198.	3.9	41
12	Finite Mixture Distribution Method to Model Vehicle Headways at Port Collector-Distributor Roads. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	0.8	1
13	Methodology for Estimating Waterway Traffic Capacity at Shanghai Estuary of the Yangtze River. <i>Journal of Navigation</i> , 2020, 73, 75-91.	1.0	7
14	Estimation of vessel collision frequency in the Yangtze River estuary considering dynamic ship domains. <i>Journal of Marine Science and Technology</i> , 2020, 25, 964-977.	1.3	11
15	Ship emission estimation with high spatial-temporal resolution in the Yangtze River estuary using AIS data. <i>Journal of Cleaner Production</i> , 2020, 248, 119297.	4.6	46
16	Predicting Crash Injury Severity for the Highways Involving Traffic Hazards and Those Involving No Traffic Hazards. , 2020, , .		0
17	Probabilistic speed-flow models in highway construction work zones. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2020, , 1-7.	0.3	0
18	Exploring effects of ship traffic characteristics and environmental conditions on ship collision frequency. <i>Maritime Policy and Management</i> , 2020, 47, 523-543.	1.9	28

#	ARTICLE	IF	CITATIONS
19	Economic Loss Analysis of Fishing Boat Collisions Considering Spatial-Temporal Interaction Effects. <i>Journal of Navigation</i> , 2020, 73, 1069-1086.	1.0	2
20	Exploring the effectiveness of ECA policies in reducing pollutant emissions from merchant ships in Shanghai port waters. <i>Marine Pollution Bulletin</i> , 2020, 155, 111164.	2.3	26
21	Random Coefficient Models for Work Zone Headway Distribution. <i>Journal of Transportation Engineering Part A: Systems</i> , 2019, 145, .	0.8	15
22	The tolerable waiting time: A generalized Pareto distribution model with empirical investigation. <i>Computers and Industrial Engineering</i> , 2019, 137, 106019.	3.4	4
23	Optimizing Strategies for the Urban Work Zone with Time Window Constraints. <i>Sustainability</i> , 2019, 11, 4218.	1.6	5
24	Maximum likelihood regression tree with two-variable splitting scheme for subway incident delay. <i>Transportmetrica A: Transport Science</i> , 2019, 15, 1061-1080.	1.3	6
25	Bayesian Regression Model for Estimating Economic Loss Resulting from Two-Ship Collisions. <i>Transportation Research Record</i> , 2019, 2673, 164-172.	1.0	1
26	Ship routing and scheduling problem for steel plants cluster alongside the Yangtze River. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 122, 198-210.	3.7	23
27	Investigation of occurrence likelihood of human errors in shipping operations. <i>Ocean Engineering</i> , 2019, 182, 28-37.	1.9	41
28	A separate analysis of crash frequency for the highways involving traffic hazards and involving no traffic hazards. <i>Journal of Transportation Safety and Security</i> , 2019, , 1-20.	1.1	19
29	Uncertainty-based prediction of work zone capacity using a Bayesian approach. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2019, 172, 24-35.	0.3	2
30	Exploring shipping accident contributory factors using association rules. <i>Journal of Transportation Safety and Security</i> , 2019, 11, 36-57.	1.1	44
31	Assess economic and environmental trade-off for inland port location. <i>International Journal of Shipping and Transport Logistics</i> , 2019, 11, 243.	0.2	1
32	Evaluation of Two-Ship Collision Severity using Ordered Probit Approaches. <i>Journal of Navigation</i> , 2018, 71, 822-836.	1.0	26
33	Economic feasibility of an NSR/SCR-combined container service on the Asia-Europe lane: a new approach dynamically considering sea ice extent. <i>Maritime Policy and Management</i> , 2018, 45, 514-529.	1.9	37
34	Analysis of Vessel Traffic Characteristics in the Yangtze River Estuary Based on AIS Data. , 2018, , .		1
35	Time-varying mixed logit model for vehicle merging behavior in work zone merging areas. <i>Accident Analysis and Prevention</i> , 2018, 117, 328-339.	3.0	56
36	A Zero-Inflated Negative Binomial Regression Model to Evaluate Ship Sinking Accident Mortalities. <i>Transportation Research Record</i> , 2018, 2672, 65-72.	1.0	2

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37	Generalized F distribution model with random parameters for estimating property damage cost in maritime accidents. <i>Maritime Policy and Management</i> , 2018, 45, 963-978.	1.9	12
38	Combining zero-inflated negative binomial regression with MLRT techniques: An approach to evaluating shipping accident casualties. <i>Ocean Engineering</i> , 2018, 166, 135-144.	1.9	31
39	Impact Analysis of Mega Vessels on Container Terminal Operations. <i>Transportation Research Procedia</i> , 2017, 25, 187-204.	0.8	23
40	Development of a quantitative risk assessment model for ship collisions in fairways. <i>Safety Science</i> , 2017, 91, 71-83.	2.6	86
41	Time-dependent drivers' merging behavior model in work zone merging areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 80, 409-422.	3.9	35
42	Liner Shipping Fleet Deployment with Sustainable Collaborative Transportation. <i>Sustainability</i> , 2016, 8, 165.	1.6	12
43	A multi-objective model for cordon-based congestion pricing schemes with nonlinear distance tolls. <i>Journal of Central South University</i> , 2016, 23, 1273-1282.	1.2	12
44	Comparative Study on Beijing and Singapore's Work Zone Rear-End Crash Risks. , 2016, , .		1
45	Effects of intersection field of view on emergent collision avoidance performance at unsignalized intersections: analysis based on driving simulator experiments. <i>Journal of Advanced Transportation</i> , 2016, 50, 683-700.	0.9	10
46	Effect of auditory in-vehicle warning information on drivers' brake response time to red-light running vehicles during collision avoidance. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 40, 56-67.	1.8	39
47	Evaluation of Shipping Accident Casualties using Zero-inflated Negative Binomial Regression Technique. <i>Journal of Navigation</i> , 2016, 69, 433-448.	1.0	27
48	Investigation of work zone crash casualty patterns using association rules. <i>Accident Analysis and Prevention</i> , 2016, 92, 43-52.	3.0	93
49	Analysis of Sideswipe Collision Precursors Considering the Spatial-Temporal Characteristics of Freeway Traffic. <i>Journal of Transportation Engineering</i> , 2016, 142, 04016064.	0.9	3
50	Driver injury severity analysis for two work zone types. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2016, 169, 97-106.	0.3	8
51	Probability distribution-based model for work zone capacity prediction. <i>Journal of Advanced Transportation</i> , 2016, 50, 165-179.	0.9	13
52	A hybrid finite mixture model for exploring heterogeneous ordering patterns of driver injury severity. <i>Accident Analysis and Prevention</i> , 2016, 89, 62-73.	3.0	25
53	Cluster-Based Logistic Regression Model for Holiday Travel Mode Choice. <i>Procedia Engineering</i> , 2016, 137, 729-737.	1.2	29
54	Modeling the probability of freeway lane-changing collision occurrence considering intervehicle interaction. <i>Traffic Injury Prevention</i> , 2016, 17, 181-187.	0.6	8

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55	Modeling Vehicle Merging Behavior in Work Zone Merging Areas During the Merging Implementation Period. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 917-925.	4.7	32
56	Modeling traffic crash rates of road segments through a lognormal hurdle framework with flexible scale parameter. <i>Journal of Advanced Transportation</i> , 2015, 49, 928-940.	0.9	31
57	Incorporating work zone configuration factors into speed-flow and capacity models. <i>Journal of Advanced Transportation</i> , 2015, 49, 371-384.	0.9	18
58	Evaluation of Keep-Right-Except-Pass Rule Using Cellular Automata Model. , 2015, , .		0
59	Development of a maximum likelihood regression tree-based model for predicting subway incident delay. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 57, 30-41.	3.9	17
60	Holiday travel behavior analysis and empirical study under integrated multimodal travel information service. <i>Transport Policy</i> , 2015, 39, 21-36.	3.4	35
61	In-depth analysis of drivers' merging behavior and rear-end crash risks in work zone merging areas. <i>Accident Analysis and Prevention</i> , 2015, 77, 51-61.	3.0	77
62	Investigation of shipping accident injury severity and mortality. <i>Accident Analysis and Prevention</i> , 2015, 76, 92-101.	3.0	99
63	Analysis of the relationship between aggregated traffic volume and traffic conflicts on expressways. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 648-658.	1.3	11
64	Ship Collision Frequency Estimation in Port Fairways: A Case Study. <i>Journal of Navigation</i> , 2015, 68, 602-618.	1.0	43
65	Cluster-based lognormal distribution model for accident duration. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 345-363.	1.3	19
66	How Does the Driver's Perception Reaction Time Affect the Performances of Crash Surrogate Measures?. <i>PLoS ONE</i> , 2015, 10, e0138617.	1.1	29
67	Bus travel time reliability analysis: a case study. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2014, 167, 178-184.	0.3	17
68	Rear-end crash potential estimation in the work zone merging areas. <i>Journal of Advanced Transportation</i> , 2014, 48, 238-249.	0.9	33
69	Analysis of Uncertainty Associated with Response Time in Work Zone Traffic Accidents. , 2014, , .		1
70	Development of a subway operation incident delay model using accelerated failure time approaches. <i>Accident Analysis and Prevention</i> , 2014, 73, 12-19.	3.0	37
71	Analysis of work zone rear-end crash risk for different vehicle-following patterns. <i>Accident Analysis and Prevention</i> , 2014, 72, 449-457.	3.0	54
72	Analysis with Automatic Identification System Data of Vessel Traffic Characteristics in the Singapore Strait. <i>Transportation Research Record</i> , 2014, 2426, 33-43.	1.0	38

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73	Potential crash risks of expressway on-ramps and off-ramps: A case study in Beijing, China. <i>Safety Science</i> , 2014, 70, 58-62.	2.6	86
74	Vehicle headway distribution in work zones. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 285-303.	1.3	26
75	New Methodology to Determine Work Zone Capacity Distribution. <i>Transportation Research Record</i> , 2014, 2461, 25-31.	1.0	10
76	Uncertainty Analysis of Accident Notification Time and Emergency Medical Service Response Time in Work Zone Traffic Accidents. <i>Traffic Injury Prevention</i> , 2013, 14, 150-158.	0.6	22
77	Tree-Based Logistic Regression Approach for Work Zone Casualty Risk Assessment. <i>Risk Analysis</i> , 2013, 33, 493-504.	1.5	32
78	Estimating capacity and traffic delay in work zones: An overview. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 35, 34-45.	3.9	37
79	Optimal subwork zone length and project start time for short-term daytime work zones from the contractor's perspective. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 29, 72-83.	3.9	7
80	Optimal subwork zone operational strategy for short-term work zone projects in four-lane two-way freeways. <i>Journal of Advanced Transportation</i> , 2013, 47, 151-169.	0.9	12
81	Vessel Collision Frequency Estimation in the Singapore Strait. <i>Journal of Navigation</i> , 2012, 65, 207-221.	1.0	117
82	Classification and Regression Tree Approach for Predicting Drivers' Merging Behavior in Short-Term Work Zone Merging Areas. <i>Journal of Transportation Engineering</i> , 2012, 138, 1062-1070.	0.9	41
83	Ensemble Tree Approach to Estimating Work Zone Capacity. <i>Transportation Research Record</i> , 2012, 2286, 56-67.	1.0	17
84	Effects of environment, vehicle and driver characteristics on risky driving behavior at work zones. <i>Safety Science</i> , 2012, 50, 1034-1042.	2.6	63
85	Decision Tree-Based Model for Estimation of Work Zone Capacity. <i>Transportation Research Record</i> , 2011, 2257, 40-50.	1.0	28
86	An improved cellular automata model for heterogeneous work zone traffic. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 1263-1275.	3.9	78
87	Evaluation of rear-end crash risk at work zone using work zone traffic data. <i>Accident Analysis and Prevention</i> , 2011, 43, 1291-1300.	3.0	110
88	Analysis of driver casualty risk for different work zone types. <i>Accident Analysis and Prevention</i> , 2011, 43, 1811-1817.	3.0	50
89	A Genetic algorithm approach to assessing work zone casualty risk. <i>Safety Science</i> , 2011, 49, 1283-1288.	2.6	25
90	Modeling speed-flow relationship and merging behavior in work zone merging areas. <i>Transportation Research Part C: Emerging Technologies</i> , 2011, 19, 985-996.	3.9	59

#	ARTICLE	IF	CITATIONS
91	Collision avoidance analysis for transition taper length. Transportation Planning and Technology, 2011, 34, 811-822.	0.9	2
92	A probabilistic quantitative risk assessment model for the long-term work zone crashes. Accident Analysis and Prevention, 2010, 42, 1866-1877.	3.0	71
93	Cellular Automata Model for Work Zone Traffic. Transportation Research Record, 2010, 2188, 131-139.	1.0	31