

Jinjun Tang

List of Publications by Year in descending order

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97
papers

3,785
citations

136740

32
h-index

138251

58
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97
all docs

97
docs citations

97
times ranked

3187
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal gated graph attention network for urban traffic flow prediction based on license plate recognition data. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 3-23.	6.3	28
2	Long-term prediction for high-resolution lane-changing data using temporal convolution network. <i>Transportmetrica B</i> , 2022, 10, 849-863.	1.4	9
3	Driving angle prediction of lane changes based on extremely randomized decision trees considering the harmonic potential field method. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 1601-1625.	1.3	3
4	Effects of spatial units and travel modes on urban commuting demand modeling. <i>Transportation</i> , 2022, 49, 1549-1575.	2.1	8
5	Combining Individual Travel Preferences Into Destination Prediction: A Multi-Module Deep Learning Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 13782-13793.	4.7	1
6	Multimodal Traffic Speed Monitoring: A Real-Time System Based on Passive Wi-Fi and Bluetooth Sensing Technology. <i>IEEE Internet of Things Journal</i> , 2022, 9, 12413-12424.	5.5	25
7	Analysis and Prediction of the Interval Duration between the First and Second Accidents considering the Spatiotemporal Threshold. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-14.	0.9	0
8	Understanding the correlation between destination distribution and urban built environment from taxi GPS data. <i>Transactions in GIS</i> , 2022, 26, 1821-1846.	1.0	3
9	A Spatial Autoregressive Quantile Regression to Examine Quantile Effects of Regional Factors on Crash Rates. <i>Sensors</i> , 2022, 22, 5.	2.1	3
10	Analysing taxi customer-search behaviour using Copula-based joint model. <i>Transportation Safety and Environment</i> , 2022, 4, .	1.1	1
11	Multivariate analysis of traffic flow using copula-based model at an isolated road intersection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 599, 127431.	1.2	2
12	Development of a Safety Prediction Method for Arterial Roads Based on Big-Data Technology and Stacked AutoEncoder-Gated Recurrent Unit. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 20110-20122.	4.7	2
13	Exploring the spatially heterogeneous effect of the built environment on ride-hailing travel demand: A geographically weighted quantile regression model. <i>Travel Behaviour & Society</i> , 2022, 29, 22-33.	2.4	12
14	Velocity control in car-following behavior with autonomous vehicles using reinforcement learning. <i>Accident Analysis and Prevention</i> , 2022, 174, 106729.	3.0	13
15	Missing data imputation for traffic flow based on combination of fuzzy neural network and rough set theory. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2021, 25, 439-454.	2.6	41
16	Exploring urban travel patterns using density-based clustering with multi-attributes from large-scaled vehicle trajectories. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 561, 125301.	1.2	23
17	A Data-Driven Timetable Optimization of Urban Bus Line Based on Multi-Objective Genetic Algorithm. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 2417-2429.	4.7	30
18	Traffic flow prediction on urban road network based on License Plate Recognition data: combining attention-LSTM with Genetic Algorithm. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 1217-1243.	1.3	22

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19	A random parameters regional quantile analysis for the varying effect of road-level risk factors on crash rates. <i>Analytic Methods in Accident Research</i> , 2021, 29, 100153.	4.7	6
20	An Improved Fuzzy Trajectory Clustering Method for Exploring Urban Travel Patterns. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-13.	0.9	4
21	Application of the Bayesian Model Averaging in Analyzing Freeway Traffic Incident Clearance Time for Emergency Management. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-9.	0.9	31
22	Multi-community passenger demand prediction at region level based on spatio-temporal graph convolutional network. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 124, 102951.	3.9	70
23	Multidepot Recycling Vehicle Routing Problem with Resource Sharing and Time Window Assignment. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-21.	0.9	2
24	Trip destination prediction based on a deep integration network by fusing multiple features from taxi trajectories. <i>IET Intelligent Transport Systems</i> , 2021, 15, 1131-1141.	1.7	9
25	Missing traffic data imputation considering approximate intervals: A hybrid structure integrating adaptive network-based inference and fuzzy rough set. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125776.	1.2	8
26	Identifying critical metro stations in multiplex network based on Dê€S evidence theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 574, 126018.	1.2	17
27	Uncovering the spatially heterogeneous effects of shared mobility on public transit and taxi. <i>Journal of Transport Geography</i> , 2021, 95, 103134.	2.3	27
28	Two-Echelon Multidepot Logistics Network Design with Resource Sharing. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-28.	0.9	3
29	Identifying critical nodes in metro network considering topological potential: A case study in Shenzhen cityâ€China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 539, 122926.	1.2	51
30	A Mixed Path Size Logit-Based Taxi Customer-Search Model Considering Spatio-Temporal Factors in Route Choice. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1347-1358.	4.7	22
31	Modeling and analyzing of family intention for the customized student routes: A case study in China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 123399.	1.2	6
32	Crash prediction based on random effect negative binomial model considering data heterogeneity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 123858.	1.2	21
33	Two-Step Coordinated Optimization Model of Mixed Demand Responsive Feeder Transit. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020, 146, .	0.8	16
34	Markov Chains based route travel time estimation considering link spatio-temporal correlation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123759.	1.2	26
35	Traffic Incident Clearance Time Prediction and Influencing Factor Analysis Using Extreme Gradient Boosting Model. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-12.	0.9	24
36	Spatial heterogeneity analysis of macro-level crashes using geographically weighted Poisson quantile regression. <i>Accident Analysis and Prevention</i> , 2020, 148, 105833.	3.0	22

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37	Exploring the Application of the Linear Poisson Autoregressive Model for Analyzing the Dynamic Impact of Traffic Laws on Fatal Traffic Accident Frequency. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-9.	0.9	6
38	A Distribution Model for Shared Parking in Residential Zones that Considers the Utilization Rate and the Walking Distance. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-11.	0.9	13
39	Examining regional mobility patterns of public transit and automobile users based on the smart card and mobile Internet data: a case study of Chengdu, China. <i>IET Intelligent Transport Systems</i> , 2020, 14, 45-55.	1.7	4
40	Uncovering Spatio-temporal Travel Patterns Using a Tensor-based Model from Metro Smart Card Data in Shenzhen, China. <i>Sustainability</i> , 2020, 12, 1475.	1.6	13
41	Ship Type Recognition via a Coarse-to-Fine Cascaded Convolution Neural Network. <i>Journal of Navigation</i> , 2020, 73, 813-832.	1.0	45
42	Statistical and machine-learning methods for clearance time prediction of road incidents: A methodology review. <i>Analytic Methods in Accident Research</i> , 2020, 27, 100123.	4.7	69
43	Evaluation of Short-Term Freeway Speed Prediction Based on Periodic Analysis Using Statistical Models and Machine Learning Models. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-16.	0.9	48
44	A Denoising Scheme-Based Traffic Flow Prediction Model: Combination of Ensemble Empirical Mode Decomposition and Fuzzy C-Means Neural Network. <i>IEEE Access</i> , 2020, 8, 11546-11559.	2.6	22
45	Video-Based Detection Infrastructure Enhancement for Automated Ship Recognition and Behavior Analysis. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-12.	0.9	82
46	Augmented Ship Tracking Under Occlusion Conditions From Maritime Surveillance Videos. <i>IEEE Access</i> , 2020, 8, 42884-42897.	2.6	62
47	Short-Term Traffic Flow Prediction Considering Spatio-Temporal Correlation: A Hybrid Model Combing Type-2 Fuzzy C-Means and Artificial Neural Network. <i>IEEE Access</i> , 2019, 7, 101009-101018.	2.6	29
48	Analyzing Traffic Crash Severity With Combination of Information Entropy and Bayesian Network. <i>IEEE Access</i> , 2019, 7, 63288-63302.	2.6	26
49	Analyzing start-up time headway distribution characteristics at signalized intersections. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122348.	1.2	13
50	A hierarchical prediction model for lane-changes based on combination of fuzzy C-means and adaptive neural network. <i>Expert Systems With Applications</i> , 2019, 130, 265-275.	4.4	52
51	Traffic flow prediction based on combination of support vector machine and data denoising schemes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 534, 120642.	1.2	139
52	A Copula-Based Approach for Accommodating the Underreporting Effect in Wildlife's Vehicle Crash Analysis. <i>Sustainability</i> , 2019, 11, 418.	1.6	36
53	Understanding parking decisions with structural equation modeling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 408-417.	1.2	42
54	Understanding Spatio-Temporal Characteristics of Urban Travel Demand Based on the Combination of GWR and GLM. <i>Sustainability</i> , 2019, 11, 5525.	1.6	29

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55	Driving risk assessment using driving behavior data under continuous tunnel environment. Traffic Injury Prevention, 2019, 20, 807-812.	0.6	23
56	Urban spatial structure and travel patterns: Analysis of workday and holiday travel using inhomogeneous Poisson point process models. Computers, Environment and Urban Systems, 2019, 73, 68-84.	3.3	30
57	Crash injury severity analysis using a two-layer Stacking framework. Accident Analysis and Prevention, 2019, 122, 226-238.	3.0	153
58	Trip destination prediction based on multi-day GPS data. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 258-269.	1.2	54
59	Real-Time Traffic Flow Parameter Estimation From UAV Video Based on Ensemble Classifier and Optical Flow. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 54-64.	4.7	175
60	Jointly analyzing freeway traffic incident clearance and response time using a copula-based approach. Transportation Research Part C: Emerging Technologies, 2018, 86, 171-182.	3.9	35
61	Anomaly Detection and Cleaning of Highway Elevation Data from Google Earth Using Ensemble Empirical Mode Decomposition. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04018015.	0.8	11
62	Lane-changes prediction based on adaptive fuzzy neural network. Expert Systems With Applications, 2018, 91, 452-463.	4.4	158
63	Relative velocity difference model for the car-following theory. Nonlinear Dynamics, 2018, 91, 1415-1428.	2.7	83
64	Taxi trips distribution modeling based on Entropy-Maximizing theory: A case study in Harbin city—China. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 430-443.	1.2	76
65	Analysing the Impact of Traffic Incidents on the Travel Time Reliability of Freeway High-Occupancy Vehicle Lanes. Discrete Dynamics in Nature and Society, 2018, 2018, 1-12.	0.5	0
66	Identifying activities and trips with GPS data. IET Intelligent Transport Systems, 2018, 12, 884-890.	1.7	17
67	Common network characteristics of four bus transport networks in Northeast China based on a perfect space P. International Journal of Modern Physics B, 2018, 32, 1850228.	1.0	3
68	Inferring driving trajectories based on probabilistic model from large scale taxi GPS data. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 566-577.	1.2	77
69	A hybrid algorithm for Urban transit schedule optimization. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 745-755.	1.2	38
70	Spatio-temporal modeling of destination choice behavior through the Bayesian hierarchical approach. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 537-551.	1.2	19
71	An Improved Fuzzy Neural Network for Traffic Speed Prediction Considering Periodic Characteristic. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2340-2350.	4.7	283
72	A method of emission and traveller behavior analysis under multimodal traffic condition. Transportation Research, Part D: Transport and Environment, 2017, 52, 139-155.	3.2	17

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73	Quantile analysis of factors influencing the time taken to clear road traffic incidents. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 296-304.	0.3	16
74	Understanding characteristics in multivariate traffic flow time series from complex network structure. Physica A: Statistical Mechanics and Its Applications, 2017, 477, 149-160.	1.2	90
75	Mixture modeling of freeway speed and headway data using multivariate skew- t distributions. Transportmetrica A: Transport Science, 2017, 13, 657-678.	1.3	20
76	Vehicle traffic delay prediction in ferry terminal based on Bayesian multiple models combination method. Transportmetrica A: Transport Science, 2017, 13, 467-490.	1.3	13
77	Revealing intra-urban travel patterns and service ranges from taxi trajectories. Journal of Transport Geography, 2017, 61, 72-86.	2.3	83
78	A Systematic Approach for Collision Risk Analysis based on AIS Data. Journal of Navigation, 2017, 70, 1117-1132.	1.0	49
79	A Novel Approach for Operating Speed Continuous Predication Based on Alignment Space Comprehensive Index. Journal of Advanced Transportation, 2017, 2017, 1-14.	0.9	7
80	Google Earth elevation data extraction and accuracy assessment for transportation applications. PLoS ONE, 2017, 12, e0175756.	1.1	47
81	An adaptive map-matching algorithm based on hierarchical fuzzy system from vehicular GPS data. PLoS ONE, 2017, 12, e0188796.	1.1	15
82	Analysis on distribution of freeway accidents under various conditions in China. Advances in Mechanical Engineering, 2016, 8, 168781401666024.	0.8	5
83	Short-Term Speed Prediction Using Remote Microwave Sensor Data: Machine Learning versus Statistical Model. Mathematical Problems in Engineering, 2016, 2016, 1-13.	0.6	31
84	Travel Time Estimation Using Freeway Point Detector Data Based on Evolving Fuzzy Neural Inference System. PLoS ONE, 2016, 11, e0147263.	1.1	38
85	Statistical properties of urban mobility from location-based travel networks. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 694-707.	1.2	29
86	Hybrid short-term prediction of traffic volume at ferry terminal based on data fusion. IET Intelligent Transport Systems, 2016, 10, 524-534.	1.7	20
87	Short-term prediction of vehicle waiting queue at ferry terminal based on machine learning method. Journal of Marine Science and Technology, 2016, 21, 729-741.	1.3	14
88	A Two-Layer Model for Taxi Customer Searching Behaviors Using GPS Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3318-3324.	4.7	69
89	Exploring dynamic property of traffic flow time series in multi-states based on complex networks: Phase space reconstruction versus visibility graph. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 635-648.	1.2	73
90	Enhancing Traffic Incident Detection by Using Spatial Point Pattern Analysis on Social Media. Transportation Research Record, 2015, 2528, 69-77.	1.0	22

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91	On Missing Traffic Data Imputation Based on Fuzzy <i>C</i> -Means Method by Considering Spatial-Temporal Correlation. Transportation Research Record, 2015, 2528, 86-95.	1.0	10
92	Uncovering urban human mobility from large scale taxi GPS data. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 140-153.	1.2	232
93	A hybrid approach to integrate fuzzy C-means based imputation method with genetic algorithm for missing traffic volume data estimation. Transportation Research Part C: Emerging Technologies, 2015, 51, 29-40.	3.9	172
94	Dynamic analysis of traffic time series at different temporal scales: A complex networks approach. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 303-315.	1.2	63
95	Hybrid Prediction Approach Based on Weekly Similarities of Traffic Flow for Different Temporal Scales. Transportation Research Record, 2014, 2443, 21-31.	1.0	20
96	Characterizing traffic time series based on complex network theory. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4192-4201.	1.2	68
97	Traffic flow prediction based on hybrid model using double exponential smoothing and support vector machine. , 2013, , .		6