2024 年

[1] Chuyun Zhao, **Jinjun Tang***, Lipeng Hu, Cheng Hu, Guowen Dai. Impact of Carbon Charge Policy on Mode Shifts in Public Transportation. Transportation Research Part D: Transport and Environment. 137, 104491, 1-25, 2024-12. (SCI, JCR 1) 中科院 1 区 Top 期刊

[2] Zhitao Li, **Jinjun Tang***, Tianjian Yu, Biao Liu, Junqiang Cao."Understanding the interplay among urban public transport modes: Spatial variation and built environment effects". Journal of Cleaner Production. 479, 144038, 1-16, 2024-10. (SCI, JCR 1) 中科院 1 区 Top 期刊

[3] Guowen Dai, **Jinjun Tang***, Jie Zeng, Cheng Hu, Chuyun Zhao. Road network traffic flow prediction: a personalized federated learning method based on client reputation. Computers and Electrical Engineering, 120, 109678, 1-21, 2024-09. (SCI, JCR 1)

[4] **Jinjun Tang***, Weihe Wang. Vehicle Trajectory Extraction and Integration from Multi-direction Video on Urban Intersection. Displays. 85, 102834, 1-13, 2024-09. (SCI, JCR 1) .

[5] Chuyun Zhao, **Jinjun Tang***, Xiangxin Kong, Tianjian Yu, Zhitao Li. Emission analysis of multi-mode public transportation based on joint choice model considering built environment factors. Energy. 309, 133101, 1-16, 2024-09. (SCI, JCR 1) 中科院 1 区 Top 期刊

[6] Zhitao Li, **Jinjun Tang***, Wenkang Zhang, Yifeng Ji, Lida Cui, Cheng Hu, Chuyun Zhao."Exploring the association between multi-mode transport and the built environment: a comparative study of metro, bus, taxi, and shared bike use". Sustainable Cities and Society. 14, 105789, 1-20, 2024-11. (SCI, JCR 1) 中科院 1 区 Top 期刊

[7] Zhitao Li, **Jinjun Tang**, Tao Feng, Biao Liu , Junqiang Cao, Tianjian Yu*, Yifeng Ji. Investigating urban mobility through multi-source public transportation data: A multiplex network perspective. Applied Geography, 169, 103337, 2024-07. (SCI, JCR 1) 中科院 2 区

[8] Fan Gao, Jingjing Hao, Zhitao Li, Chunyang Han, **Jinjun Tang***, Chuyun Zhao."Understanding inequality in ride-hailing service: an investigation of matching and pickup time". Transportation. In Pressed. 2024-05. (SCI, JCR 1) 中科院 2 区

[9] Mingyang Li, **Jinjun Tang***. " The flex-route transit service routing plan considering heterogeneous requests and time windows". Advanced Engineering Informatics. 61, 102496, 1-10. 2024-03. **(SCI, JCR 1) 中科院 1 区 Top 期刊**

[10] Zhe Wang, Helai Huang, **Jinjun Tang***, Lipeng Hu. "A deep reinforcement learning-based approach for autonomous lane-changing velocity control in mixed flow of vehicle group level". Expert System with Application. 238,122158, 1-13, 2024. **(SCI, JCR 1) 中科院 1 区 Top 期刊**

[11] Chuyun Zhao, **Jinjun Tang***, Wenyuan Gao, Yu Zeng, Zhitao Li. Many-objective optimization of multi-mode public transportation under carbon emission reduction, Energy. 286, 129627, 1-16, 2024-04. **(SCI, JCR 1) 中科院 1 区 Top 期刊**

[12] Xuan Zhang, **Jinjun Tang*** ,1 Chengcheng Wang, Chao Wang. Route Guidance Model with Limited Overlap on Freeway Network under Traffic Incidents. Journal of Advanced Transportation, 2024, 4250807, 1-13, 2024-05. (SCI, JCR 3)

[13] Cheng Hu, Chunyang Han*, Amjad Pervez, Jingjing Hao, Guangming Xu, **Jinjun Tang**, Helai Huang. "Optimal Deployment of Connected and Autonomous Vehicle Dedicated Lanes: A Trade-off between Safety and Efficiency". IEEE Transactions on Intelligent Transportation Systems.25(10), 13744-13766. 2024-10. (SCI, JCR Q1)中科院 1 区 TOP 期刊

[14] Wenyuan Gao, Chuyun Zhao*, Yu Zeng, **Jinjun Tang***. Exploring the Spatio-Temporally Heterogeneous Impact of Traffic Network Structure on Ride-Hailing Emissions Using Shenzhen,

China, as a Case Study. Sustainability, 16, 4539, 1-31, 2024-05. (SCI, JCR 2)

[15] **唐进君**[*],胡立鹏,李明洋,张璇. 基于 kriging 遗传算法的高速公路应急车道管控优化.系统仿真学报, 36(5), 1165-1178, 2024-05. B 类，EI

[16] **唐进君**[*],蒋艾佳,李明洋,王超,孔德兰. 基于二型模糊逻辑的高速公路匝道自适应控制. 控制与决策, 2024, 已录用排版中, A 类，EI

[17] **唐进君**[*],任茂昕,李志涛,高轶凡. 基于代理模型辅助 NSGA-II 算法的地铁接驳公交优化. 华南理工大学学报(自然科学版), 2024, 已录用排版中, EI

[18] 王超，孔德兰，李晨曦，吴伟令，张璇，**唐进君***. 考虑路网性能的交通事件影响下高速公路路径诱导策略.公路（中文核心），8, 288-294, 2024-08. 中文核心

[19] 郝威，刘芳，王晓璐，张兆磊，许晗萌，**唐进君***. 基于秩自适应贝叶斯张量分解模型的交通流量数据修复方法. 北京交通大学学报，2024, 48(4), 82-89, CSCD

[20] Wencheng Wang, Yang Yang, Xiaobao Yang, Vikash V. Gayah, Yunpeng Wang, **Jinjun Tang**, Zhenzhou Yuan. A negative binomial Lindley approach considering spatiotemporal effects for modeling traffic crash frequency with excess zeros. Accident Analysis & Prevention. 207, 107741, 2024-08. (SSCI, JCR Q1)中科院 1 区 TOP 期刊

[21] Lipeng Xu, Zhizhou Wu, Yinhai Wang, **Jinjun Tang**, and Yunyi Liang. Compressing Vehicle Trajectory Data Using Hybrid Coding With Kinematic Motion Prediction. IEEE Transactions on Intelligent Transportation Systems. 25(6), 5389-5401. 2024-06. (SCI, JCR Q1)中科院 1 区 TOP 期刊

[22] Wang, Z., Mi, Q., Xiang, J., Zhang, Z., **Tang, J.**: An evaluation of lane management strategy for CAV priority in mixed traffic. *IET Intell. Transp. Syst.* 18, 467–479 , 2024-03, **(SCI, JCR 3)**.

[23] Chuyun Zhao, **Jinjun Tang***, Yu Zeng, Zhitao Li, Fan Gao. "Understanding the spatio-temporally heterogeneous effects of built environment on urban travel emissions".In: Proceedings of 103th Annual Meeting of the Transportation Research Board. January, 2024. (Poster)

[24] Zhe Wang, Helai Huang, **Jinjun Tang***, Mohamed Abdel-Aty. "A deep reinforcement learning-based approach for autonomous lane-changing velocity control in mixed flow of vehicle group level". In: Proceedings of 104th Annual Meeting of the Transportation Research Board. January, 2024. (Poster)

[25] Cheng Hu, **Jinjun Tang***, Ke Ji. " Spatial Partitioning for Road Networks: Insights from Incomplete License Plate Recognition Data". In: Proceedings of 103rd Annual Meeting of the Transportation Research Board. January, 2024. (Poster)

[26] Cheng Hu, **Jinjun Tang***, Ke Ji. " Estimating Critical Parameters for Macroscopic Fundamental Diagram Models Based on Incomplete License Plate Recognition Data". In: Proceedings of 103rd Annual Meeting of the Transportation Research Board. January, 2024. (Poster)

2023 年

[1] Jian Liang, **Jinjun Tang***, Fan Gao, Zhe Wang, Helai Huang. "On region-level travel demand forecasting using multi-task adaptive graph attention network". *Information Science*. 622(2023), 161-177, 2023. **(SCI, JCR 1) 中科院 1 区 Top 期刊**

[2] Helai Huang, Xizhi Ding, Chen Yuan, Xinyuan Liu, **Jinjun Tang***. "Jointly analyzing freeway primary and secondary crash severity using a copula-based approach". *Accident Analysis and Prevention*, 180, 106911, 1-10, 2023. **(SCI, JCR 1) 中科院 1 区 Top 期刊**

[3] Jie Zeng , **Jinjun Tang***. " Combining knowledge graph into metro passenger flow prediction: A split-attention relational graph convolutional network". *Expert Systems With Applications.* 2023-03,

Vol.213, 118790, 1-16. **(SCI, JCR 1)** 中科院 **1** 区 Top 期刊

[4] Jie Zeng, **Jinjun Tang***. "Modeling dynamic traffic flow as visibility graphs: a network-scale prediction framework for lane-level traffic flow based on LPR data", *IEEE Transactions on Intelligent Transportation Systems*, 24(4), 4173-4188, 2023-04. **(SCI, JCR 1)** 中科院 **1** 区 **Top 期刊**

[5] Zhitao Li, **Jinjun Tang***, Chuyun Zhao, Fan Gao. "Improved centrality measure based on the adapted PageRank algorithm for urban transportation multiplex networks". *Chaos, Solitons & Fractals.* 167, 112998, 1-15, 2023. **(SCI, JCR 1)** 中科院 **1** 区 **Top 期刊**

[6] Zhitao Li, Xiaolu Wang, Fan Gao, **Jinjun Tang***, Hanmeng Xu. "Analysis of mobility patterns for urban taxi ridership: the role of the built environment". Transportation. 51, 1409-1431, 2024-03. **(SCI, JCR 1)**

[7] Zhitao Li, Fan Gao, Chenxi Xiao, **Jinjun Tang***. "The effects of the urban built environment on public transport ridership: similarities and differences". Travel Behaviour and Society. 2023. In Pressed. (SCI, JCR2)

[8] Zhitao Li, Chen Yuan, **Jinjun Tang***, Kexin Zhu, Xiaoyi Pan. "Understanding the mobility of public transport systems based on weighted multiplex networks". Physica A: Statistical Mechanics and its Applications. 2023, 624, 128977, 1-15. (SCI, JCR 2)

[9] Mingyang Li, Lipeng Hu, **Jinjun Tang***. "MSSRGO: A multi-meta-models based global optimization method using selection-rank-based infill sampling strategy". J*ournal of King Saud University - Computer and Information Sciences*, 35, 382-392, 2023-01. **(SCI, JCR 1)** 中科院 **1** 区 **Top 期刊**

[10] Mingyang Li, **Jinjun Tang***. "Simulation-based optimization considering energy consumption for assisted station locations to enhance flex-route transit". Energy. 277, 127715, 1-12, 2023. **(SCI, JCR 1)** 中科院 **1** 区

[11] Mingyang Li, **Jinjun Tang***, Jie Zeng, Helai Huang. "A Kriging-based optimization method for meeting point locations to enhance flex-route transit services". Transportmetrica B: Transport Dynamics. 11(1), 2023-04. **(SCI, JCR 2)**

[12] Chuyun Zhao, **Jinjun Tang***, Yu Zeng, Zhitao Li, Fan Gao. "Understanding the spatio-temporally heterogeneous effects of built environment on urban travel emissions". Journal of Transport Geography. 112, 103689, 1-20, 2023-08. **(SSCI, JCR 1)**

[13] Xiaoyi Pan, **Jinjun Tang***, Tianjian Yu, Jianming Cai, Yong Xiong, Fan Gao. "Reposition Optimization in the Free-Floating Bike-Sharing System Considering Transferring Travels from Urban Rail Transit". Computers & Industrial Engineering. 178, 109127, 1-13, 2023-03. **(SSCI, JCR 1)**

[14] Guowen Dai，**Jinjun Tang***, Wang Luo."Short-term traffic flow prediction: An ensemble machine learning approach". Alexandria Engineering Journal. 74, 467-480, 2023-05. **(SCI, JCR 1)**

[15] Qun Chen, Min Li, Chengcheng Wang, Xinyuan Liu, **Jinjun Tang***. "Cycle-Based Estimation on Lane-Level Queue Length at Isolated Signalized Intersection Using License Plate Recognition Data". *Journal of Transportation Engineering, Part A: Systems*, Vol.149, No.1, 2023-01. **(SCI, JCR 3)**

[16] Min Li, **Jinjun Tang***, Qun Chen, You Liu. "Traffic arrival pattern estimation at urban intersection using license plate recognition data". Physica A: Statistical Mechanics and its Applications. 625, 128995, 1-17, 2023-07. **(SCI, JCR 2)**

[17] You Liu, Haonan Tuo, Mingfan He, Qiang Fu, Tianjian Yu*, **Jinjun Tang***. Mapping Relationship

Discovery of Multi-dimensional Architectures in Autonomous Transportation System Based on Text Matching Model. Journal of Advanced Transportation. Vol.2023, 8707205, 1-15, 2023-04. **(SCI, JCR 3)**

[18] Xianwei Meng, **Jinjun Tang***, Fang Yang, Zhe Wang. "Lane-changing trajectory prediction based on multi-task learning". *Transportation Safety and Environment*. 2023, 5(4), 1-11. **(SCI, JCR 3)**

[19] Xinyuan Liu, Chen Yuan[*], **Jinjun Tang**[*], Fan Gao, Xizhi Ding. Examining the characteristics between time and distance gaps of secondary crashes. Transportation Safety and Environment. 2023. In Pressed. **(SCI, JCR 3)**

[20] Xinyuan Liu, **Jinjun Tang***, Fan Gao, Xizhi Ding. Time and distance gaps of primary-secondary crashes prediction and analysis using random forests and SHAP model. Journal of Advanced Transportation. Vol.2023, 7833555, 1-19, 2023-04. (SCI, JCR 3)

[21] Ke Ji, **Jinjun Tang***, Min Li, Cheng Hu. Distributed Traffic Control Based on Road Network Partitioning Using Normalization Algorithm. Sustainability, 15(14): 11378, 2023-07. (SCI, JCR 2)

[22] **唐进君**,付强,王骋程[*],袁琛,张璇，徐长靖.高速公路可变限速控制策略多目标优化[J].交通运输系统工程与信息. Vol.23, No.2, 2023-04.(EI)

[23] **唐进君**[*],庹昊南,刘佑,付强. 基于 BERT-Bi-LSTM-CRF 模型的自主式交通系统实体识别方法[J].交通信息与安全, 2023，录用

[24] **唐进君**[*],刘佑,庹昊南,何明帆. 基于 Petri 网的自主式交通系统映射关系评价[J].计算机仿真,2023,录用

[25] 庹昊南,刘佑,付强,何明帆，**唐进君**[*]. 基于本体的自主式交通系统知识建模及推理[J].交通运输研究,2023,录用

[26] 陈浩,刘飞扬,**唐进君**[*],曾捷,潘晓艺.考虑内在关联性的城市路网交通运行效率评价[J].测绘科学,2023,48(07):227-234. (CSCD)

[27] Xizhi Ding, **Jinjun Tang***, Xinyuan Liu, Chen Yuan. "Jointly Analyzing Freeway Primary and Secondary Crash Severity Using a Copula-Based Approach". In: Proceedings of 102th Annual Meeting of the Transportation Research Board. January, 2023. (Poster)

[28] Jian Liang, Jintao Ke, Hai Wang, Hongbo Ye, **Jinjun Tang**. "A Poisson-Based Distribution Learning Framework for Short-Term Prediction of Food Delivery Demand Ranges". In: Proceedings of 102th Annual Meeting of the Transportation Research Board. January, 2023. (Presentation)

[29] Yuewen Mei, Zheng Li, Ye Tian, Jian Sun, **Jinjun Tang*** and Qiang Fu. "Simulation-Based Optimization of Variable Speed Limit Control Strategy at Recurrent Bottlenecks". In: Proceedings of 102th Annual Meeting of the Transportation Research Board. January, 2023. (Poster)

2022 年

[1] **Jinjun Tang***, Jie Zeng. "Spatiotemporal gated graph attention network for urban traffic flow prediction based on license plate recognition data". *Computer-Aided Civil and Infrastructure Engineering*, 37, 3-23, 2022-1. **(SCI, JCR 1)**

[2] **Jinjun Tang**, Chuyun Zhao, Fang Liu, Wei Hao*, Fan Gao. "Analyzing travel destinations distribution using large-scaled GPS trajectories: A spatio-temporal Log-Gaussian Cox process". Physica A, 599, 127305, 2022, 1-16. **(SCI, JCR 2)**

[3] Jian Liang, **Jinjun Tang***, Fang Liu, Yinhai Wang. "Combining Individual Travel Preferences into Destination Prediction: a Multi-module Deep Learning Network". *IEEE Transactions on Intelligent*

Transportation Systems, 23(8), 2022-08, 13782-13793. **(SCI, IF: 9.5, JCR 1)**

[4] Fan Gao, Linchuan Yang, Chunyang Han, **Jinjun Tang**[*], Zhitao Li. "A network-distance-based geographically weighted regression model to examine spatiotemporal effects of station-level built environments on metro ridership". *Journal of Transport Geography*, 2022-10, 105, 103472: 1-11. **(SSCI, JCR 1)**

[5] Zhe Wang, Helai Huang, **Jinjun Tang**[*], Xianwei Meng, Lipeng Hu. "Velocity control in car-following behavior with autonomous vehicles using reinforcement learning". *Accident Analysis and Prevention*,174, 2022-06, 106729. **(SSCI, IF:6.3, JCR 1)**

[6] Fan Gao, **Jinjun Tang**[*], Zhitao Li. "Effects of spatial units and travel modes on urban commuting demand modeling". *Transportation*, 2022-12, 49(6), pp.1549-1575. **(SSCI, IF: 5.1, JCR1)**

[7] Mingyang Li, **Jinjun Tang**[*], Xianwei Meng. "Multiple surrogate-model-based optimization method using the multimodal expected improvement criterion for expensive problems". *Mathematics*. 10, 4467, 1-21. 2022-11. **(SCI, JCR 1)**

[8] Zhe Wang, Helai Huang, **Jinjun Tang***, Jaeyoung Lee, Xianwei Meng. "Driving angle prediction of lane changes based on extremely randomized decision trees considering the harmonic potential field method", Transportmetrica A, 18(3): 1601-1625, 2022-11, (*corresponding author). **(SCI, IF: 3.49, JCR 2)**

[9] Fang_Zong, Meng Wang*, **Jinjun Tang***, Meng Zeng. "Modeling AVs & RVs' car-following behavior by considering impacts of multiple surrounding vehicles and driving characteristics". *Physica A*, Vol. 589, 126625, 2022-03. **(SCI, IF: 3.2, JCR 2)**

[10] Zhaoxin Liu, Xiaolu Wang, Yufeng Bi, Jun Kong, Run Xu, Yuanpei Chen, **Jinjun Tang***. "Travel Patterns Analysis Using Tensor-Based Model from Large-Scale License Plate Recognition Data". Journal of Advanced Transportation, Volume 2022, Article ID 3930795, 1-14. **(SCI, JCR 3)**

[11] **唐进君**,曾捷,段一鑫. 数据驱动的城市路网短时交通流预测[J]. 武汉理工大学学报(交通科学与工程版), 2022, 46(05): 782-791.

[12] 张璇,**唐进君**,黄合来,常方蓉,王杰,袁双林.山区高速公路隧道路段与开放路段的事故影响因素分析[J].交通信息与安全,2022,40(03):10-18. **(EI)**

[13] **唐进君**,何泽伦,付强,庹昊南,李载宁.自主式 MaaS 系统多维架构映射关系设计[J].中国交通信息化,2022(06):86-92.

[14] **唐进君**,王凯,叶峻青*.基于多准则粒子滤波算法的车辆轨迹重构[J].铁道科学与工程学报,2022,19(08):2407-2416. **(EI)**

[15] **唐进君**,刘鑫源,吉柯,叶峻青*.考虑车道排队特征的城市路网交通事故影响范围估计[J/OL].铁道科学与工程学报, 2022,19(09):2541-2551. **(EI)**

[16] **唐进君**,刘佑,付强,庹昊南.基于模糊理论的自主式交通系统多维架构映射关系建模[J].森林工程,2022,38(02):146-153.

[17] 吉柯,**唐进君***,曾捷,刘鑫源.基于递阶优化的城市区域路网交通控制[J/OL].铁道科学与工程学报:1-10[2022-09-11]. **(EI)**

[18] 孟宪伟,**唐进君***,王喆.考虑换道意图的 LSTM-AdaBoost 车辆轨迹预测模型[J].计算机工程与应用,2022,58(13):280-287. **(CSCD)**

[19] 杨淇铭,**唐进君***,付强,刘佑.智能网联交通系统多层次映射关系建模[J].交通科技与经济,2022,24(01):1-8.

[20] Yu, T., Gao, F., Liu, X., **Tang, J**. A Spatial Autoregressive Quantile Regression to Examine Quantile Effects of Regional Factors on Crash Rates. Sensors 2022, 22(5). 1-17.

[21] Fang Liu, Lanlan Zheng, Mingyang Li, **Jinjun Tang**. Analysis and Prediction of the Interval

Duration between the First and Second Accidents considering the Spatiotemporal Threshold. Journal of Advanced Transportation, Volume 2022, 6312139, 1-14.

[22] Fang Liu, Fan Gao*, Linchuan Yang, Chunyang Han, Wei Hao, Jinjun Tang. "Exploring the spatially heterogeneous effect of the built environment on ride-hailing travel demand: A geographically weighted quantile regression model". Travel Behaviour and Society. 26, 2022, 22–33. **(SSCI, JCR 2)**

[23] Ziyuan Pu, Zhiyong Cui, **Jinjun Tang**, Shuo Wang, Yinhai Wang. "Multi-Modal Traffic Speed Monitoring: A Real-Time System Based on Passive Wi-Fi and Bluetooth Sensing Technology". IEEE Internet of Things Journal, 2022, DOI 10.1109/JIOT.2021.3136031. **(SCI, JCR 1)**

[24] Zhenyuan Fang, Shichao Zhu, Xin Fu∗, **Fang Liu∗**, Helai Huang, **Jinjun Tang**. "Multivariate analysis of traffic flow using copula-based model at an isolated road intersection". Physica A, 599, 127431, 2022, 1-22. **(SCI, JCR 2)**

[25] Qun Chen, Xiaoyi Pan, Fang Liu*, Yong Xiong, Zhitao Li, **Jinjun Tang**. "Reposition optimization in free-floating bike-sharing system: A case study in Shenzhen City". Physica A, 593, 126925, 2022, 1-18. **(SCI, JCR 2)**

[26] Fang Liu, Wei Bi, **Jinjun Tang**, Wei Hao*. "Understanding the correlation between destination distribution and urban built environment from taxi GPS data". *Transactions in GIS.* 2022, 00:1–26. **(SCI, JCR 2)**

[27] Jie Zeng, Yong Xiong*, Feiyang Liu, Junqing Ye*, **Jinjun Tang**. "Uncovering the spatiotemporal patterns of traffic congestion from large-scale trajectory data: A complex network approach". Physica A, 604, 127871, 2022, 1-18. **(SCI, IF: 3.2, JCR 2)**

[28] Fan Gao, **Jinjun Tang***, Chunyang Han, Xuekai Cen, Zhitao Li. "Uncovering the spatially heterogeneous effects of shared mobility on public transit" In: Proceedings of 101th Annual Meeting of the Transportation Research Board. January, 2022. (Poster)

[29] Zhe Wang, Helai Huang, **Jinjun Tang***, Xianwei Meng. "Driving Angle Prediction of Lane Changes Based on Extremely Randomized Decision Trees Considering the Harmonic Potential Field Method" In: Proceedings of 101th Annual Meeting of the Transportation Research Board. January, 2022. (Poster)

[30] Qiang Fu, You Liu, Haonan Tuo, **Jinjun Tang***. "Mapping relationship design of multi-dimensional architecture in the autonomous driving system". In: The 22nd COTA International Conference. July, 2022. (Poster)

2021 年

[1] **Jinjun Tang**, Jian Liang, Fang Liu*, Jingjing Hao, Yinhai Wang. "Multi- community passenger demand prediction at region level based on spatio-temporal graph convolutional network", Transportation Research Part C: Emerging Technologies, Vol.124, 102951, 2021-07, 1-18. **(SCI, IF: 8.0, JCR 1)**

[2] **Jinjun Tang**, Yifan Yang, Wei Hao*, Fang Liu, Yinhai Wang. "A data-driven timetable optimization of urban bus line based on multi-objective genetic algorithm". *IEEE Transactions on Intelligent Transportation Systems*, 22(4), 2417-2429. 2021-04 **(SCI, IF: 6.4, JCR 1)**

[3] **Jinjun Tang**, Weiqi Yin, Chunyang Han*, Xinyuan Liu, Helai Huang. "A random parameters regional quantile analysis for the varying effect of road-level risk factors on crash rates". *Analytic*

Methods in Accident Research, Vol.29, 2021-3, 100153, 1-20. **(SSCI, IF:11.8, JCR 1)**

[4] **Jinjun Tang**, Fan Gao, Chunyang Han, Xuekai Cen, Zhitao Li. "Uncovering the spatially heterogeneous effects of shared mobility on public transit". *Journal of Transport Geography*. 95, 2021, 103134, 1-12. **(SSCI, IF:4.9, JCR 1)**

[5] **Jinjun Tang**, Jie Zeng, Yuwei Wang, Hang Yuan, **Fang Liu***, Helai Huang. "Traffic Flow Prediction on Urban Road Network Based on License Plate Recognition Data: Combining Attention-LSTM with Genetic Algorithm". *Transportmetrica A: Transport Science*, 17(4), 1217-1243, 2021. **(SCI, IF: 3.4, JCR 2)**

[6] **Jinjun Tang**, Xinshao Zhang, Weiqi Yin, Yajie Zou*, Yinhai Wang. "Missing data imputation for traffic flow based on combination of fuzzy neural network and rough set theory". Journal of Intelligent Transportation Systems. 25(5), 439–454, 2021-09. **(SCI, IF: 2.5, JCR 2)**

[7] **Jinjun, Tang**, Jian Liang, Tianjian Yu, Yong, Xiong, Guoliang Zeng. Trip destination prediction based on a deep integration network by fusing multiple features from taxi trajectories. IET Intelligent Transport Systems, 15: 1131–1141, 2021-09. **(SCI, IF: 2.4, JCR 2)**

[8] **Jinjun Tang**, Zhitao Li, Fan Gao, Fang Zong*. "Identifying critical metro stations in multiplex network based on D–S evidence theory". *Physica A*. Vol.574, 2021, 126018, 1-17. **(SCI, IF: 3.2, JCR 2)**

[9] **Jinjun Tang**, Wei Bi, **Fang Liu***, Wenhui Zhang. "Exploring urban travel patterns using density-based clustering with multi-attributes from large-scaled vehicle trajectories". Physica A. Vol.561, 2021-01, 125301, 1-15. **(SCI, IF: 3.2, JCR 2) Highly Cited**

[10] **Jinjun Tang**, Xinshao Zhang, Tianjian Yu*, Fang Liu. "Missing traffic data imputation considering approximate intervals: a hybrid structure integrating adaptive network-based inference and fuzzy rough set", Physica A. (*corresponding author) Vol.573, 125776, 2021-07, 1-12. **(SCI, IF, JCR 2)**

[11] Helai Huang, Zhenyuan Fang, Yiwei Wang, **Jinjun Tang*** and Xin Fu*. "Analysing taxi customer-search behaviour using Copula-based joint model". *Transportation Safety and Environment*, 2021, 4: tdab033.

[12] Yajie Zou, Bo Lin, Xiaoxue Yang, Lingtao Wu, Malik Muneeb Abid, **Jinjun Tang***, "Application of the Bayesian Model Averaging in Analyzing Freeway Traffic Incident Clearance Time for Emergency Management", Journal of Advanced Transportation, vol. 2021, Article ID 6671983, 1-9, 2021. **(SCI, IF:1.9, JCR 2)**

[13] Yong Wang, Xiuwen Wang, Xiangyang Guan, **Jinjun Tang***, "Multidepot Recycling Vehicle Routing Problem with Resource Sharing and Time Window Assignment", *Journal of Advanced Transportation*, vol. 2021, Article ID 2327504, 1-21, 2021-05. WOS:000669016300001

[14] Siyu Luo, Yong Wang*, **Jinjun Tang***, Xiangyang Guan, Maozeng Xu, "Two-Echelon Multidepot Logistics Network Design with Resource Sharing", *Journal of Advanced Transportation*, vol. 2021, Article ID 6619539, 1-28, 2021-10.

[15] Fang Liu, Wei Bi*, Wei Hao, Fan Gao, **Jinjun Tang**, "An Improved Fuzzy Trajectory Clustering Method for Exploring Urban Travel Patterns", *Journal of Advanced Transportation*, vol. 2021, 6651718, 1-13, 2021. (*corresponding author) **(SCI, IF:1.9, JCR 3)**

[16] Yue Zhang, Yajie Zou, **Jinjun Tang**, Jian Liang. Long-term prediction for high-resolution lane-changing data using temporal convolution network. Transportmetrica B: Transport Dynamics, DOI: 10.1080/21680566.2021.1950072, 2021.

[17] Xiaodong Song, Mingyang Li*, Zhitao Li and **Fang Liu***. Global Optimization Algorithm Based

on Kriging Using Multi-Point Infill Sampling Criterion and Its Application in Transportation System. Sustainability, 131,10645, 1-17, 2021-09.

2020 年

[1] **Jinjun Tang**, Yiwei Wang, Wei Hao*, Fang Liu, Helai Huang and Yinhai Wang. "A mixed path size logit based taxi customer-search model considering spatio-temporal factors in route choice". *IEEE Transactions on Intelligent Transportation Systems*, 21(4), 1347-1358. 2020-04. **(SCI, IF: 6.4, JCR 1) Highly Cited Paper. WOS:000523478400001**

[2] **Jinjun Tang**, Lanlan Zheng, Chunyang Han, Weiqi Yin, Yue Zhang, Yajie Zou, Helai Huang. "Statistical and machine-learning methods for clearance time prediction of road incidents: A methodology review". *Analytic Methods in Accident Research*, Vol.27, 100123, 1-16, 2020-09. **(SSCI, IF:11.8, JCR 1) Highly Cited Paper. WOS:000544910300005**

[3] **Jinjun Tang**, Fan Gao, Fang Liu, Chunyang Han*, Jaeyoung Lee. "Spatial Heterogeneity Analysis of Macro-level Crashes Using Geographically Weighted Poisson Quantile Regression". *Accident Analysis and Prevention*, 148, 2020-10, 105833, 1-20. **(SSCI, IF:6.3, JCR 1)**

[4] **Jinjun Tang**, Xiaolu Wang, Fang Zong, Zheng Hu. "Uncovering spatio-temporal travel patterns using a tensor-based model from metro smart card data in Shenzhen, China". Sustainability, Vol.12, No.1475, 1-16, 2020-02. **(SCI, IF: 2.5, JCR 2)** WOS: 000522460200193

[5] **Jinjun Tang**, Lanlan Zheng, Chunyang Han, **Fang Liu*** ,Jianming Cai. "Traffic incident clearance time prediction and influencing factors analysis using extreme gradient boosting model". Journal of Advanced Transportation, Vol.2020, ID: 6401082, 2020-06, 1-14. **(SCI, IF: 1.67, JCR3)** WOS:000544645500001

[6] **Jinjun Tang**, Fan Gao, Fang Liu, Xinqiang Chen. "A Denoising Scheme-Based Traffic Flow Prediction Model Combination of Ensemble Empirical Mode Decomposition and Fuzzy C-Means Neural Network". IEEE Access, Vol. 8, 11546-11559, 2020-1. WOS:000525406600072

[7] **Jinjun Tang**, Jin Hu, Wei Hao, Xinqiang Chen, Yong Qi. "Markov Chains Based Route Travel Time Estimation Considering Link Spatio-Temporal Correlation". Physica A. Vol.545, 123759, 2020-05,1-12. **(SCI, IF: 3.2, JCR 2)** WOS:000526845600082

[8] Xinqiang Chen, Xueqian Xu, Yongsheng Yang, Huafeng Wu, **Jinjun Tang**[*], Jiansen Zhao. Augmented Ship Tracking Under Occlusion Conditions From Maritime Surveillance Videos. (*corresponding author), IEEE Access. Vol.8, 42884-42897, 2020-04. **(SCI, IF: 4.0 , JCR 1)** WOS:000524706500007 **Highly Cited Paper**

[9] Wenhui Zhang, Fan Gao, Shurui Sun, Qiuying Yu, **Jinjun Tang**[*], Bohang Liu. A distribution model for shared parking in residential zones that considers the utilization rate and the walking distance. Journal of Advanced Transportation (*corresponding author). 2020-03, Vol.2020, ID: 6147974,1-11 **(SCI, IF:1.9, JCR 2)** WOS:000524573900002

[10] Xinqiang Chen, Yongsheng Yang, Shengzheng Wang, Huafeng Wu, **Jinjun Tang***, Jiansen Zhao, Zhihuan Wang. Ship Type Recognition via a Coarse-to-Fine Cascaded Convolution Neural Network, Journal of Navigation, (*corresponding author). 2020-07, Vol.73, No.4, 813-832. **(SCI, IF: 1.8 , JCR 1) Highly Cited Paper.** WOS:000544382400004

[11] Ying Yan, Xiangli Yang, Ying Zhang, Jin Hu, **Jinjun Tang***, Zhongyin Guo. "Crash Prediction based on Random Effect Negative Binomial Model Considering Data Heterogeneity", Physica A. (*corresponding author), 2020-06, Vol.547, 123858, 1-12. **(SCI, IF: 3.2, JCR 2)** WOS:000528206900013

[12] Xiaoxue Yang, Yajie Zou, **Jinjun Tang***, Jian Liang, Muhammad Ijaz. Evaluation of Short-term Freeway Speed Prediction Based on Periodic Analysis Using Statistical Models and Machine

Learning Models. Journal of Advanced Transportation (*corresponding author). Vol.2020, 9628957, 2020-01, 1-16. **(SCI, IF:1.9, JCR 2)** WOS:000510880900005 **Highly Cited Paper**

[13] Jingjing Hao, Ling Zhang, Xiaofeng Ji, **Jinjun Tang***, "Modeling and Analyzing of Family Intention for the Customized Student Routes: A Case Study in China". Physica A. (*corresponding author), Vol. 542, 2020-03, 123399, 1-16. **(SCI, IF: 3.2, JCR 2)** WOS:000526839800035

[14] Xinqiang Chen, Lei Qi, Yongsheng Yang, Qiang Luo, Octavian Postolache, **Jinjun Tang***, Huafeng Wu. "Video-based Detection Infrastructure Enhancement for Automated Ship Recognition and Behavior Analysis". Journal of Advanced Transportation (*corresponding author), 2020-01, 7194342,1-12. **(SCI, IF:1.9, JCR 2)** WOS:000510880900010

[15] Zhouyang Du, **Jinjun Tang***, Yong Qi, Yiwei Wang, Chunyang Han, Yifan Yang. "Identifying Critical Nodes in Metro Network Considering Topological Potential: A case study in Shenzhen city—China". Physica A. (*corresponding author), Vol.539, 1-13, 2020-02. **(SCI, IF: 3.2, JCR 2)** WOS:000503317700038

[16] Yue Zhang, Yajie Zou, Lingtao Wu, **Jinjun Tang**, Malik Muneeb Abid. "Exploring the Application of the Linear Poisson Autoregressive Model for Analyzing the Dynamic Impact of Traffic Laws on Fatal Traffic Accident Frequency". *Journal of Advanced Transportation*. Vol.2020, 2020-10, ID: 8854068, 1-12. **(SCI, IF:1.9, JCR 3)** WOS:000583197300001

[17] Xi Chen, Yinhai Wang , **Jinjun Tang** , Zhuang Dai, Xiaolei Ma. "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". IET Intelligent Transport Systems. Vol.14, No.1, 45-55, 2020-1. **(SCI, IF:1.8, JCR 3)**

[18] Zhengwu Wang, Jie Yu, Wei Hao, **Jinjun Tang**, Qiang Zeng, Changxi Ma. Rongjie Yu. "Two-Step Coordinated Optimization Model of Mixed Demand Responsive Feeder Transit". Journal of Transportation Engineering, Part A: Systems, 2020-03, 146(3): 04019082. 1-12. WOS:000526383600011

2019 年

[1] **Jinjun Tang**, Jian Liang, Chunyang Han, Zhibin Li, Helai Huang. "Crash injury severity analysis using a two-layer Stacking framework". Accident Analysis and Prevention, Vol.122, 226-238, 2019-01. **(SCI, IF: 4.9, JCR 1) Hot Paper and Highly Cited Paper**

[2] **Jinjun Tang,** Shaowei Yu, **Fang Liu***, Xinqiang Chen, Helai Huang. "A hierarchical prediction model for lane-changes based on combination of fuzzy c-means and adaptive neural network". *Expert Systems with Applications*. Vol.130, 265-275, 2019.05. **(SCI, IF: 4.2, JCR 1) WOS:000470341900019**

[3] Shen Zhang, Xin Liu, **Jinjun Tang***, Shaowu Chen, Yinhai Wang. "Urban spatial structure and travel patterns: analysis of workday and holiday travel using inhomogeneous Poisson point process models". *Computers, Environment and Urban Systems*. Vol. 73, 68-84, 2019-03. **(SSCI, IF: 3.3, JCR 1)**

[4] **Jinjun Tang,** Fan Gao, Fang Liu, Wenhui Zhang*, Yong Qi*. "Understanding Spatio-Temporal Characteristics of Urban Travel Demand Based on the Combination of GWR and GLM". Sustainability, Vol.11, No.5525, 1-19, 2019-12. **(SCI, IF: 2.5, JCR 2)** WOS:000493525500384

[5] **Jinjun Tang**, Lexiao Li, Zheng Hu, **Fang Liu***. Short-term traffic flow prediction considering spatio-temporal correlation: a hybrid model combing type-2 fuzzy c-means and artificial neural network. IEEE Access, Vol. 7, 101009-101018, 2019-12. **(SCI, IF: 4.0, JCR 1)**

[6] **Jinjun Tang**, Xinqiang Chen, Zheng Hu, Fang Zong, Chunyang Han, Lexiao Li. "Traffic flow prediction based on combination of support vector machine and data denoising schemes". Physica A, 2019, Vol.534, 120642, 1-19. **(SCI, IF: 3.2, JCR 2)**

[7] Ying Yan, Youhua Dai, Xiaodong Li, **Jinjun Tang***, Zhongyin Guo. "Driving risk assessment using driving behavior data under continuous tunnel environment". (*corresponding author), Traffic Injury Prevention. Vol.20, No.8, 807-812, 2019-12. **(SSCI, IF:1.4, JCR 3)**

[8] Qaing Luo, Jie Yuan, Xinqiang Chen, Shubo Wu, Zhijian Qu, **Jinjun Tang***. Analyzing start-up time headway distribution characteristics at signalized intersections. Physica A. (*corresponding author), Vol.535, 1-10, 2019. **(SCI, IF: 3.2, JCR 2)**

[9] Fang Zong, Xiangru Chen, **Jinjun Tang***, Ping Yu, Ting Wu. "Analyzing Traffic Crash Severity with Combination of Information Entropy and Bayesian Network". (*corresponding author), IEEE Access. Vol.7, 63288-63302, 2019. **(SCI, IF: 4.0 , JCR 1)**

[10] Yajie Zou, Xinzhi Zhong, **Jinjun Tang***, Xin Ye, Lingtao Wu, Muhammad Ijaz, Yinhai Wang. A copula-based approach for accommodating the underreporting effect in wildlife-vehicle crash analysis. *Sustainability*. No.11, Vol.418, 1-13, 2019-01. **(SCI, IF: 2.5 , JCR 2) Highly Cited Paper**

[11] Fang Zong, Ping Yu, **Jinjun Tang**[*], Xiao Sun. "Understanding Parking Decisions with Structural Equation Modeling", Physica A, (*corresponding author) Vol.523, 408-417, 2019. **(SCI, IF: 2.5, JCR 2)**

[12] Fang Zong, Yongda Tian, Yanan He, **Jinjun Tang***, Jianyu Lv. "Trip destination prediction based on multi-day GPS data", Physica A. (*corresponding author) Vol.515, 258-269, 2019-02. **(SCI, IF: 3.2, JCR 2) Highly Cited Paper**

[13] R. Ke, Z. Li, **J**. **Tang,** Z. Pan, Y. Wang. Real-time traffic flow parameter estimation from uav video based on ensemble classifier and optical flow. IEEE Transactions on Intelligent Transportation Systems, Vol.20, No.1, 54-64. 2019. **(SCI, IF: 5.7, JCR 1)**

2018 年

[1] **Jinjun Tang**, Fang Liu, Wenhui Zhang, Ruimin Ke, Yajie Zou*. "Lane-Changes Prediction Based on Adaptive Fuzzy Neural Network". *Expert Systems with Applications*. Vol.91, 452-463, 2018-01. **(SCI, IF: 4.2, JCR 1) Hot Paper and Highly Cited Paper**

[2] Yajie Zou, Xin Ye, Kristian Henrickson, **Jinjun Tang***, Yinhai Wang. "Jointly analyzing freeway traffic incident clearance and response time using a copula-based approach". *Transportation Research Part C*, (*corresponding author) Vol.86, 2018-01: 171-182. **(SCI , IF:6.0, JCR 1)**

[3] **Jinjun Tang**, Jian Liang, Shen Zhang, Helai Huang, Fang Liu. "Inferring driving trajectories based on probabilistic model from large scale taxi GPS data" Physica A, Vol.506, 566-577, 2018-09. **(SCI, IF: 3.2, JCR 2) Highly Cited Paper WOS:000437077400046**

[4] **Jinjun Tang**, Shen Zhang, Xinqiang Chen, Fang Liu, Yajie Zou. "Taxi Trips Distribution Modeling Based on Entropy-maximizing Theory: A Case Study in Harbin City - China". *Physica A*, Vol.493, 430-443, 2018-03. **(SCI, IF: 3.2, JCR 2) Highly Cited Paper**

[5] **Jinjun Tang**, Yifan Yang, Yong Qi. "A hybrid algorithm for urban transit schedule optimization", Physica A, Vol.512, 745-755, 2018-12. **(SCI, IF: 3.2, JCR 2) WOS:000446151000063**

[6] Shen Zhang, Xin Liu, **Jinjun Tang***, Shaowu Cheng, Yong Qi, Yinhai Wang. "Spatio-temporal modeling of destination choice behavior through the Bayesian hierarchical approach", Physica A, (*corresponding author) Vol.512, 537-551, 2018-12. **(SCI, IF: 3.2, JCR 2)**

[7] Fang Zong, Jianyu, Lv, **Jinjun Tang***, Xiao Wang, Fei Gao. "Identifying Activities and Trips with GPS Data". IET Intelligent Transport Systems. (*corresponding author) Vol.12, No.8, 884-890, 2018-05. **(SCI, IF: 2.0, JCR 3)**

[8] Haixiao Wang, Fang Liu, **Jinjun Tang***. "Exploring intra-urban travel mobility using large-scale taxi Global Positioning System Trajectories". International Journal of Vehicle Structures & Systems (*corresponding author) Vol.10, No.2, 150-159, 2018-09. **(EI)**

[9] Shaowei Yu, **Jinjun Tang**, Qi Xin. "Relative Velocity Difference Model for the Car-following Theory".*Nonlinear Dynamic*. Vol.91, No.3, 1415-1428, 2018-02. **(SCI, IF:3.4, JCR 1) Hot Paper and Highly Cited Paper**

[10] Baoyu Hu, Yulong Pei, **Jinjun Tang**, Wei Gao. Common network characteristics of four bus transport networks in northeast china based on a perfect space p. International Journal of Modern Physics B, Vol.32, No.21, 2018-07,1850228, 1-15. (SCI, **IF: 0.5, JCR 4**)

[11] Xinqiang Chen, Zhibin Li, Yinhai Wang, **Jinjun Tang**, Wenbo Zhu, Chaojian Shi, Huafeng Wu. "Anomaly Detection and Cleaning of Highway Elevation Data from Google Earth using Ensemble Empirical Mode Decomposition". Journal of Transportation Engineering, part A: Systems. 144(5),2018-05, 04018015, 1-14.**(SCI, IF: 0.8, JCR 3)**

[12] Xianzhe Chen, Yajie Zou, **Jinjun Tang**, Yichuan Peng*, Lingtao Wu. Analysing the Impact of Traffic Incidents on the Travel Time Reliability of Freeway High-occupancy Vehicle Lanes. Discrete Dynamics in Nature and Society. Vol.2018, 2018, 7470645, 1-12.**(SCI, IF: 0.7, JCR 4)**

2017 年

[1] **Jinjun Tang**, Fang Liu, Yajie Zou, Weibin Zhang, Yinhai Wang. "An Improved Fuzzy Neural Network for Traffic Speed Prediction Considering Periodic Characteristic". IEEE Transaction on Intelligent Transportation Systems, 18(9): 2340-2350, 2017-09-1. **(SCI, IF: 6.4, JCR 1), Hot Paper and Highly Cited Paper. WOS:000408755500007**

[2] Shen Zhang, **Jinjun Tang***, Haixiao Wang, Yinhai Wang, Shi An. "Revealing intra-urban travel patterns and service ranges from taxi trajectories". (*corresponding author). *Journal of Transport Geography*. Vol.61, 72-86, 2017-05-01. **(SSCI, IF:3.5, JCR 1)   Hot Paper and Highly Cited Paper**

[3] Yajie Zou, Hang Yang**,** Yunlong Zhang, **Jinjun Tang***, Weibin Zhang. "Mixture modeling of freeway speed and headway data using multivariate skew-t distributions" (*corresponding author). *Transportmetrica A: Transport Science*, Vol.13, No.7, 657-678, 2017-05-01. **(SCI, IF: 1.9, JCR 2)**

[4] **Jinjun Tang,** Shen Zhang, Yajie Zou*, Fang Liu. "An Adaptive Map-Matching Algorithm based on Hierarchical Fuzzy System from Vehicular GPS data". *PLOS ONE*. Vol.12, No.12, e0188796, 2017-12. **(SCI, IF: 2.8, JCR 1)**

[5] Ying Yan, Gengping Li, **Jinjun Tang***, Zhongyin Guo. "A Novel Approach for Operating Speed Continuous Predication Based on Alignment Space Comprehensive index". (*corresponding author). *Journal of Advanced Transportation*. Vol.2017, 2017-12, ID: 9862949, 1-14. **(SCI, IF:1.9, JCR 3)**

[6] Yajie Zou, **Jinjun Tang***, Lingtao Wu, Kristian Henrickson, Yinhai Wang. "Quantile analysis of freeway incident clearance time". *Proceedings of the Institution of Civil Engineers – Transport*, (*corresponding author) Vol.170, No.5, 296-304, 2017-10-01. **(SCI, IF: 0.3, JCR 4 区)**

[7] Ying Yan, Shen Zhang, **Jinjun Tang***, Xiaofei Wang. "Understanding characteristics in multivariate traffic flow time series from complex network structure". (*corresponding author). *Physica A*, Vol.477, 149-160, 2017-07. **(SCI, IF: 3.2, JCR 2)**

[8] Yinsong Wang, Yajie Zou, Kristian Henrickson, Yinhai Wang, **Jinjun Tang**, B. Park. "Google earth elevation data extraction and accuracy assessment for transportation applications". PLoS ONE. Vol.12, No.4, 2017-04-01, e0175756.**(SCI, IF: 2.8, JCR 1)**

[9] Weibin Zhang, Cole Kopca, **Jinjun Tang**, Dongfang Ma, Yinhai Wang. "A Systemic Approach for Collision Risk Analysis based on AIS data". *Journal of Navigation*, Vol.70, No.5, 1117-1132, 2017-09-01. **(SCI, IF: 1.3, JCR 1)**

[10] Weibin Zhang, Yong Qi, Kristian Henrickson, **Jinjun Tang**, Yinhai Wang. "Vehicle traffic delay prediction in ferry terminal based on Bayesian multiple models combination method". Transportmetrica A: Transport Science, Vol. 13, No.5, 467-490, 2017-03-07. **(SCI, IF: 1.8, JCR 2)**

[11] Weibin Zhang, Yong Qi, Ying Yan, **Jinjun Tang**, Yinhai Wang. "A method of emission and traveler behavior analysis under multimodal traffic condition". Transportation Research Part D: Transport and Environment, Vol. 52, 139-155, 2017-05-01. **(SCI, IF: 1.8, JCR 2)**

[12] **Jinjun Tang**, Shen Zhang, Ying Yan, Weibin Zhang, Zhibin Li, Yinhai Wang. "Inferring driving trajectories based on probabilistic model from large scale taxi GPS data" *In: Proceedings of 96th Annual Meeting of the Transportation Research Board*. January, 2017. (Poster)

2012-2016 年

[1] **Jinjun Tang**, Han Jiang, Zhibin Li, Meng Li, Fang Liu, Yinhai Wang. "A Two-layer Model for Taxi Customer Searching Behaviors using GPS Trajectory Data". *IEEE Transactions on Intelligent Transportation Systems*, Vol. 17, No. 11, 3318-3324, 2016-11-01. **(SCI, IF: 6.3, JCR 1)**

[2] **Jinjun Tang**, Yajie Zou, John Ash, Shen Zhang, Fang Liu, Yinhai Wang[*]. "Travel Time Estimation Using Freeway Point Detector Data Based on Evolving Fuzzy Neural Inference System". *PLOS ONE*. Vol.11, No.2, e0147263, 2016-02-01. **(SCI, IF: 2.8, JCR 1) WOS:000417110700023**

[3] **Jinjun Tang**, Fang Liu, Weibin Zhang, Shen Zhang, Yinhai Wang[*]. "Exploring dynamic property of traffic flow time series in multi-states based on complex networks: phase space reconstruction versus visibility graph". *Physica A*. Vol.450, 635-648. 2016-05-15. **(SCI, IF: 3.2, JCR 2)**

[4] **Jinjun Tang**, Shen Zhang, Fang Liu, Weibin Zhang, Yinhai Wang. "Statistical properties of urban mobility from location-based travel networks". *Physica A*, Vol. 461, 694-707, 2016-11-01. **(SCI, IF: 3.2, JCR 2)**

[5] Han Jiang, Yajie Zou, Shen Zhang, **Jinjun Tang***, Yinhai Wang. "Short-term speed prediction using remote microwave sensor data: machine learning versus statistical model". *Mathematical Problems in Engineering*. Vol.2016, ID 9236156, 2016-01-19. (* corresponding author) **(SCI, IF: 0.7, JCR 3)**

[6] Weibin Zhang, **Jinjun Tang***, Kris, Yajie Zou, Yinhai Wang. "Hybrid short-term prediction of traffic volume at ferry terminal based on data fusion". IET Intelligent Transport Systems, (* corresponding author) Vol.10, No.8, 524-534, 2016-09-26. **(SCI, IF: 2.0, JCR 3)**

[7] Xiaofei Wang, Siqi Yang, Xinwei Li, Jintao Du, **Jinjun Tang***. "Analysis on Accidents Distribution of Freeway under Various Conditions in China". Advances in Mechanical Engineering, (*corresponding author) Vol.8, No.8, 1-12, 2016-04. (SCI, **IF: 0.7, JCR 4)**

[8] Weibin Zhang, Yajie Zou, **Jinjun Tang**, Ash John, Yinhai Wang. "Short-term Prediction of Vehicle Waiting Queue at Ferry Terminal based on Machine Learning Method". Journal of Marine Science and Technology, 1-13, 2016-01-01, DOI: 10.1007/s00773-016-0385-y. **(SCI, IF: 0.8, JCR 3)**

[9] **Jinjun Tang**, Fang Liu, Yinhai Wang, Hua Wang. "Uncovering urban human mobility from large scale taxi GPS data". *Physica A*, Vol.438, No.15, 140-153, 2015-11-15. **(SCI, IF: 3.2, JCR 2)**

[10] **Jinjun Tang**, Yinhai Wang, Hua Wang, Fang Liu. "On missing traffic data imputation based on fuzzy c-means method by considering spatial temporal correlation". *Transportation Research Record*. No.2528, 86-95, 2015-10-01. **(SCI, IF: 0.5, JCR 4)**

[11] Shen Zhang, **Jinjun Tang**, Hua Wang, Yinhai Wang. "Enhancing Traffic Incident Detection Using Spatial Point Pattern Analysis in Social Media". *Transportation Research Record*. No. 2528, 69-77, 2015-09-01. **(SCI, IF: 0.5, JCR 4)**

[12] **Jinjun Tang**, Hua Wang, Yinhai Wang, Xiaoyue Liu, Fang Liu. "Hybrid Predicting Approach Based on Weekly Similarity for Traffic Flow at Different Temporal Scales". *Transportation Research Record*, No. 2443, 21-31, 2014-10-01. **(SCI, IF: 0.5 , JCR 4)**

[13] **Jinjun Tang**, Guohui Zhang, Yinhai Wang, Hua Wang, Fang Liu. "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*, Vol.51, 2015-02-01, 29-40. **(SCI, IF: 8.0, JCR 1)**

[14] **Jinjun Tang**, Yinhai Wang, Hua Wang, Sheng Zhang, Fang Liu. "Dynamic Analysis of Traffic Time Series at Different Temporal Scales: A Complex Networks Approach". *Physica A*, 405,303-315,

2014-07-01. **(SCI, IF: 3.2, JCR 2)**

[15] **Jinjun Tang**, Yinhai Wang, Fang Liu. "Characterizing Traffic Time Series Based on Complex Network Theory". *Physica A*, Vol.392, No.18, 4192-4201, 2013-09-15. **(SCI, IF: 3.2, JCR 2)**

[16] **Jinjun Tang**, Fang Liu, Zhibin Li, Yinhai Wang. "Exploring intra-urban travel mobility from taxi GPS data". *In: Proceedings of 95th Annual Meeting of the Transportation Research Board*. January, 2016. (Poster)

[17] **Jinjun Tang**, Han Jiang, Zhibin Li, Meng Li, Fang Liu, Yinhai Wang. "A Hierarchical Model for Taxis' Customer Searching Behaviors using GPS Trajectory Data". *In: Proceedings of 95th Annual Meeting of the Transportation Research Board*. January, 2016. (Poster)

[18] **Jinjun Tang**, Fang Liu, Ziyuan Pu, Hua Wang, Yinhai Wang. "A Time-dependent Model Based on Entropy-maximizing Theory for Taxi Trips Distribution in Harbin City". *In: Proceedings of 95th Annual Meeting of the Transportation Research Board*. January, 2016. (Poster)

[19] Weibin Zhang, Yajie Zou, **Jinjun Tang**, John Ash, Yinhai Wang. "Short-term Prediction of Vehicle Waiting Queue at Ferry Terminal based on Machine Learning Method". *In: Proceedings of 95th Annual Meeting of the Transportation Research Board*. January, 2016. (Poster)

[20] **Jinjun Tang**, Yinhai Wang, Hua Wang, Fang Liu. "On Missing Traffic Data Imputation based on Fuzzy C-means Method by Considering Spatial Temporal Correlation". *In: Proceedings of 94th Annual Meeting of the Transportation Research Board*. January, 2015. (Poster)

[21] Shen Zhang, **Jinjun Tang**, Hua Wang, Yinhai Wang. "Enhancing Traffic Incident Detection Using Spatial Point Pattern Analysis in Social Media". *In: Proceedings of 94th Annual Meeting of the Transportation Research Board*. January, 2015. (Presentation)

[22] **Jinjun Tang**, Guangning Xu, Yinhai Wang, Hua Wang, Shen Zhang, Fang Liu. "Traffic Flow Prediction Based on Hybrid Model Using Double Exponential Smoothing and Support Vector Machine". *In: Proceedings of 16th International IEEE Conference on Intelligent Transportation Systems (ITSC13)*, Hague, 130-135, 2013. **(EI)**

[23] Shen Zhang, **Jinjun Tang**. "Study on the Dynamic Relationships between Weather Conditions and Free-Flow Characteristics on Freeways in Jilin". *In: Proceedings of 16th International IEEE Conference on Intelligent Transportation Systems (ITSC13)*, Hague, 1493-1498, 2013. **(EI)**

[24] **Jinjun Tang**, Yinhai Wang, Hua Wang, Fang Liu. "Complex Network Approach for the Complexity and Periodicity in Traffic Time Series". *Procedia-Social and Behavioral Sciences, 13th COTA International Conference of Transportation Professionals (CICTP 2013)*, Shenzhen, 2602-2610, 2013. **(EI)**