## Xuesong Zhou

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/7163694/publications.pdf
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2 Integrated line planning and train timetabling through price-based cross-resolution feedback mechanism. Transportation Research Part B: Methodological, 2022, 155, 240-277.

7 | Synchronizing time-dependent transportation services: Reformulation and solution algorithm using |
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| quadratic assignment problem. Transportation Research Part B: Methodological, 2021, 152, 140-179. |

8 Detecting phoneâ€related pedestrian distracted behaviours via a twoâ€branch convolutional neural network. IET Intelligent Transport Systems, 2021, 15, 147-158.
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$9 \quad$ Operational design for shuttle systems with modular vehicles under oversaturated traffic:
9 Continuous modeling method. Transportation Research Part B: Methodological, 2020, 132, 76-100.

A stepwise interpretable machine learning framework using linear regression (LR) and long 10 short-term memory (LSTM): City-wide demand-side prediction of yellow taxi and for-hire vehicle (FHV)
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38 service. Transportation Research Part C: Emerging Technologies, 2020, 120, 102786.
11 Green logistics location-routing problem with eco-packages. Transportation Research, Part E:Logistics and Transportation Review, 2020, 143, 102118.
$3.7 \quad 118$
Integrated vehicle assignment and routing for system-optimal shared mobility planning with
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A mixed integer programming formulation and scalable solution algorithms for traffic control
coordination across multiple intersections based on vehicle space-time trajectories. Transportation
Research Part B: Methodological, 2020, 134, 266-304.

14 Trajectory data-based traffic flow studies: A revisit. Transportation Research Part C: Emerging

| 19 | ADMM-based problem decomposition scheme for vehicle routing problem with time windows. Transportation Research Part B: Methodological, 2019, 129, 156-174. | 2.8 | 68 |
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| 20 | A cumulative service state representation for the pickup and delivery problem with transfers. Transportation Research Part B: Methodological, 2019, 129, 351-380. | 2.8 | 24 |
| 21 | Observability quantification of public transportation systems with heterogeneous data sources: An information-space projection approach based on discretized space-time network flow models. Transportation Research Part B: Methodological, 2019, 128, 302-323. | 2.8 | 14 |
| 22 | Solving cyclic train timetabling problem through model reformulation: Extended time-space network construct and Alternating Direction Method of Multipliers methods. Transportation Research Part B: Methodological, 2019, 128, 344-379. | 2.8 | 77 |
| 23 | Operational design for shuttle systems with modular vehicles under oversaturated traffic: Continuous modeling method. Transportation Research Procedia, 2019, 38, 359-379. | 0.8 | 2 |
| 24 | Open-Source Public Transportation Mobility Simulation Engine DTALite-S: A Discretized Spaceâ€"Time Network-Based Modeling Framework for Bridging Multi-agent Simulation and Optimization. Urban Rail Transit, 2019, 5, 1-16. | 0.9 | 24 |
| 25 | Integrating Lagrangian and Eulerian observations for passenger flow state estimation in an urban rail transit network: A space-time-state hyper network-based assignment approach. Transportation Research Part B: Methodological, 2019, 121, 135-167. | 2.8 | 66 |
| 26 | Analyzing the Impact of Traffic Congestion Mitigation: From an Explainable Neural Network Learning Framework to Marginal Effect Analyses. Sensors, 2019, 19, 2254. | 2.1 | 13 |
| 27 | Balancing a oneâ€way corridor capacity and safetyâ€oriented reliability: A stochastic optimization approach for metro train timetabling. Naval Research Logistics, 2019, 66, 297-320. | 1.4 | 11 |
| 28 | An integrated train service plan optimization model with variable demand: A team-based scheduling approach with dual cost information in a layered network. Transportation Research Part B: Methodological, 2019, 125, 1-28. | 2.8 | 48 |
| 29 | Operational design for shuttle systems with modular vehicles under oversaturated traffic: Discrete modeling method. Transportation Research Part B: Methodological, 2019, 122, 1-19. | 2.8 | 60 |

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| 37 | Network-oriented household activity pattern problem for system optimization. Transportation Research Part C: Emerging Technologies, 2018, 94, 250-269. | 3.9 | 13 |
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| 38 | Coordinating assignment and routing decisions in transit vehicle schedules: A variable-splitting Lagrangian decomposition approach for solution symmetry breaking. Transportation Research Part B: Methodological, 2018, 107, 70-101. | 2.8 | 51 |
| 39 | Hierarchical travel demand estimation using multiple data sources: A forward and backward propagation algorithmic framework on a layered computational graph. Transportation Research Part C: Emerging Technologies, 2018, 96, 321-346. | 3.9 | 66 |
| 40 | Automatic train regulation of complex metro networks with transfer coordination constraints: A distributed optimal control framework. Transportation Research Part B: Methodological, 2018, 117, 228-253. | 2.8 | 20 |
| 41 | Open-source VRPLite Package for Vehicle Routing with Pickup and Delivery: A Path Finding Engine for Scheduled Transportation Systems. Urban Rail Transit, 2018, 4, 68-85. | 0.9 | 26 |
| 42 | Quantifying travel time variability at a single bottleneck based on stochastic capacity and demand distributions. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2017, 21, 79-93. | 2.6 | 28 |
| 43 | Eco-reliable path finding in time-variant and stochastic networks. Energy, 2017, 121, 372-387. | 4.5 | 9 |
| 44 | Multi-scenario optimization approach for assessing the impacts of advanced traffic information under realistic stochastic capacity distributions. Transportation Research Part C: Emerging Technologies, 2017, 77, 113-133. | 3.9 | 17 |
| 45 | Joint optimization of high-speed train timetables and speed profiles: A unified modeling approach using space-time-speed grid networks. Transportation Research Part B: Methodological, 2017, 97, 157-181. | 2.8 | 110 |

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| 57 | Modeling Visit Probabilities within Networkâ€Time Prisms Using <scp>M</scp>arkov Techniques. Geographical Analysis, 2016, 48, 18-42. | 1.9 | 23 |
| 58 | How Many and Where to Locate Parking Lots? A Spaceâ€"time Accessibility-Maximization Modeling Framework for Special Event Traffic Management. Urban Rail Transit, 2016, 2, 59-70. | 0.9 | 21 |
| 59 | Eco-system optimal time-dependent flow assignment in a congested network. Transportation Research Part B: Methodological, 2016, 94, 217-239. | 2.8 | 41 |
| 60 | Evacuation planning for disaster responses: A stochastic programming framework. Transportation Research Part C: Emerging Technologies, 2016, 69, 150-172. | 3.9 | 39 |
| 61 | Estimating the most likely spaceâ€"time paths, dwell times and path uncertainties from vehicle trajectory data: A time geographic method. Transportation Research Part C: Emerging Technologies, 2016, 66, 176-194. | 3.9 | 46 |

62 A Train Dispatching Model Under a Stochastic Environment: Stable Train Routing Constraints and Reformulation. Networks and Spatial Economics, 2016, 16, 791-820.

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| 74 | Solving simultaneous route guidance and traffic signal optimization problem using space-phase-time hypernetwork. Transportation Research Part B: Methodological, 2015, 81, 103-130. | 2.8 | 53 |
| 75 | Transportation network design for maximizing spaceấ"time accessibility. Transportation Research Part B: Methodological, 2015, 81, 555-576. | 2.8 | 125 |
| 76 | Estimating risk effects of driving distraction: A dynamic errorable car-following model. Transportation Research Part C: Emerging Technologies, 2015, 50, 117-129. | 3.9 | 36 |
| 77 | Fast train: A computationally efficient train routing and scheduling engine for general rail networks. , 2014, , . |  | 0 |
| 78 | Short-Term Highway Traffic State Prediction Using Structural State Space Models. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 309-322. | 2.6 | 24 |
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