# Xi Lin

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 34 papers | 1,022 citations | 471509<br>17 h-index | 434195<br>31 g-index |
| 34 all docs | 34 docs citations | 34 times ranked | 842 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Multistep speed prediction on traffic networks: A deep learning approach considering spatio-temporal dependencies. Transportation Research Part C: Emerging Technologies, 2019, 105, 297-322. | 7.6 | 193 |
| 2 | Robust scheduling strategies of electric buses under stochastic traffic conditions. Transportation Research Part C: Emerging Technologies, 2019, 105, 163-182. | 7.6 | 123 |
| 3 | Pricing and penalty/compensation strategies of a taxi-hailing platform. Transportation Research Part C: Emerging Technologies, 2018, 86, 263-279. | 7.6 | 83 |
| 4 | Multi-vehicle routing problems with soft time windows: A multi-agent reinforcement learning approach. Transportation Research Part C: Emerging Technologies, 2020, 121, 102861. | 7.6 | 83 |
| 5 | Designing locations and capacities for charging stations to support intercity travel of electric vehicles: An expanded network approach. Transportation Research Part C: Emerging Technologies, 2019, 102, 210-232. | 7.6 | 50 |
| 6 | A customized deep learning approach to integrate network-scale online traffic data imputation and prediction. Transportation Research Part C: Emerging Technologies, 2021, 132, 103372. | 7.6 | 41 |
| 7 | Network-level multiband signal coordination scheme based on vehicle trajectory data. Transportation Research Part C: Emerging Technologies, 2019, 107, 266-286. | 7.6 | 38 |
| 8 | Network-wide traffic flow estimation with insufficient volume detection and crowdsourcing data. Transportation Research Part C: Emerging Technologies, 2020, 121, 102870. | 7.6 | 38 |
| 9 | Path controlling of automated vehicles for system optimum on transportation networks with heterogeneous traffic stream. Transportation Research Part C: Emerging Technologies, 2020, 110, 312-329. | 7.6 | 37 |
| 10 | Joint deployment of charging stations and photovoltaic power plants for electric vehicles. Transportation Research, Part D: Transport and Environment, 2020, 79, 102247. | 6.8 | 34 |
| 11 | A spatiotemporal approach for traffic data imputation with complicated missing patterns. Transportation Research Part C: Emerging Technologies, 2020, 119, 102730. | 7.6 | 33 |
| 12 | Optimal locations and travel time display for variable message signs. Transportation Research Part C: Emerging Technologies, 2016, 69, 418-435. | 7.6 | 30 |
| 13 | Connected vehicle-based red-light running prediction for adaptive signalized intersections. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 229-243. | 4.2 | 29 |
| 14 | Online-to-offline mobile charging system for electric vehicles: Strategic planning and online operation. Transportation Research, Part D: Transport and Environment, 2020, 87, 102522. | 6.8 | 27 |
| 15 | Rhythmic Control of Automated Traffic€"Part I: Concept and Properties at Isolated Intersections. Transportation Science, 2021, 55, 969-987. | 4.4 | 25 |
| 16 | Graph attention temporal convolutional network for traffic speed forecasting on road networks. Transportmetrica B, 2021, 9, 153-171. | 2.3 | 23 |
| 17 | Modeling and control of automated vehicle access on dedicated bus rapid transit lanes. Transportation Research Part C: Emerging Technologies, 2020, 120, 102795. | 7.6 | 20 |
| 18 | Rhythmic Control of Automated Traffic€"Part II: Grid Network Rhythm and Online Routing. Transportation Science, 2021, 55, 988-1009. | 4.4 | 20 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Dynamic governance decisions on multi-modal inter-city travel during a large-scale epidemic spreading. Transport Policy, 2021, 104, 29-42. | 6.6 | 15 |
| 20 | Hybrid of fixed and mobile charging systems for electric vehicles: System design and analysis. Transportation Research Part C: Emerging Technologies, 2021, 126, 103068. | 7.6 | 12 |
| 21 | Multistage planning of electric transit charging facilities under build-operate-transfer model. Transportation Research, Part D: Transport and Environment, 2022, 102, 103118. | 6.8 | 12 |
| 22 | Trajectory planning for unmanned aerial vehicles in complicated urban environments: A control network approach. Transportation Research Part C: Emerging Technologies, 2021, 128, 103120. | 7.6 | 10 |
| 23 | Space-time routing in dedicated automated vehicle zones. Transportation Research Part C: Emerging Technologies, 2020, 120, 102777. | 7.6 | 9 |
| 24 | High‑performance traffic speed forecasting based on spatiotemporal clustering of road segments. IET Intelligent Transport Systems, 2021, 15, 225-234. | 3.0 | 7 |
| 25 | A surrogate-based optimization algorithm for network design problems. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1693-1704. | 2.6 | 5 |
| 26 | Multi-rhythm control for heterogeneous traffic and road networks in CAV environments. Transportation Research, Part E: Logistics and Transportation Review, 2022, 160, 102672. | 7.4 | 5 |
| 27 | Nonlinear pricing in linear cities with elastic demands. Transportation Research Part C: Emerging Technologies, 2018, 95, 616-635. | 7.6 | 4 |
| 28 | Mechanism Design for Stochastic Dynamic Parking Resource Allocation. Production and Operations Management, 2021, 30, 3615-3634. | 3.8 | 4 |
| 29 | Credit-Based Mobility Management Considering Travelers' Budgeting Behaviors Under Uncertainty. Transportation Science, 2021, 55, 297-314. | 4.4 | 3 |
| 30 | Aggregate modeling and equilibrium analysis of the crowdsourcing market for autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2021, 132, 103362. | 7.6 | 3 |
| 31 | Network-level control of heterogeneous automated traffic guaranteeing bus priority. Transportation Research Part C: Emerging Technologies, 2022, 140, 103671. | 7.6 | 3 |
| 32 | An Evaluation Framework to Measure the Performance of ADAS. , 2019, , . | | 2 |
| 33 | On the Existence of System-Optimum‑Inducing Tolling Functions for Transportation Networks. Transportation Science, 2020, 54, 1535-1554. | 4.4 | 1 |
| 34 | Identifying the Impact of Low-Speed Vehicles on Freeway Capacity by Traffic Simulation. , 2020, , . | | 0 |