# zhi-chun Li

## List of Publications by Year
in descending order

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|---|---|---|---|
| 79 papers | 2,383 citations | 201575<br>27 h-index | 223716<br>46 g-index |
| 79 all docs | 79 docs citations | 79 times ranked | 1301 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Modeling the effects of airline and high-speed rail cooperation on multi-airport systems: The implications on congestion, competition and social welfare. Transportation Research Part B: Methodological, 2022, 155, 448-478. | 2.8 | 14 |
| 2 | Women-only parking spaces: Determinants of parking space choice, investment decision, and a case study of Wuhan, China. Transportation Research Part C: Emerging Technologies, 2022, 137, 103553. | 3.9 | 2 |
| 3 | Subsidy on transport adaptation investment-modeling decisions under incomplete information and ambiguity. Transportation Research Part B: Methodological, 2022, 162, 103-129. | 2.8 | 5 |
| 4 | Determination of subsidy and emission control coverage under competition and cooperation of China-Europe Railway Express and liner shipping. Transport Policy, 2022, 125, 323-335. | 3.4 | 11 |
| 5 | Integrated planning of berth allocation and vessel sequencing in a seaport with one-way navigation channel. Transportation Research Part B: Methodological, 2021, 143, 23-47. | 2.8 | 45 |
| 6 | Investing in inter-city and/or intra-city rail lines? A general equilibrium analysis for a two-city system. Transport Policy, 2021, 108, 59-82. | 3.4 | 3 |
| 7 | Subsidy or minimum requirement? Regulation of port adaptation investment under disaster ambiguity. Transportation Research Part B: Methodological, 2021, 150, 457-481. | 2.8 | 18 |
| 8 | A mixed-equilibrium model of individual and household activity–travel choices in multimodal transportation networks. Transportation Research Part C: Emerging Technologies, 2021, 131, 103337. | 3.9 | 8 |
| 9 | The Mono-Centric City Model and Commuting Cost. , 2021, , 315-320. | | 0 |
| 10 | Parking Demand Models. , 2021, , 519-523. | | 1 |
| 11 | Optimal quality incentive scheme design in contracting out public bus services. Transportation Research Part C: Emerging Technologies, 2021, 133, 103427. | 3.9 | 6 |
| 12 | Strategic planning of inland river ports under different market structures: Coordinated vs. independent operating regime. Transportation Research, Part E: Logistics and Transportation Review, 2021, 156, 102547. | 3.7 | 13 |
| 13 | Optimal deployment of emergency rescue stations in an urban transportation corridor. Transportation, 2020, 47, 445-473. | 2.1 | 2 |
| 14 | Airline network competition in inter-continental market. Transportation Research, Part E: Logistics and Transportation Review, 2020, 143, 102117. | 3.7 | 7 |
| 15 | Evacuating metro passengers via the urban bus system under uncertain disruption recovery time and heterogeneous risk-taking behaviour. Transportation Research Part C: Emerging Technologies, 2020, 119, 102761. | 3.9 | 24 |
| 16 | The two-mode problem with bottleneck queuing and transit crowding: How should congestion be priced using tolls and fares?. Transportation Research Part B: Methodological, 2020, 138, 46-76. | 2.8 | 23 |
| 17 | Berth Allocation and Quay Crane Assignment for the Trade-off Between Service Efficiency and Operating Cost Considering Carbon Emission Taxation. Transportation Science, 2020, 54, 1307-1331. | 2.6 | 33 |
| 18 | Fifty years of the bottleneck model: A bibliometric review and future research directions. Transportation Research Part B: Methodological, 2020, 139, 311-342. | 2.8 | 91 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | A theory of auto ownership rationing. Transportation Research Part B: Methodological, 2019, 127, 125-146. | 2.8 | 10 |
| 20 | Design of build-operate-transfer contract for integrated rail and property development with uncertainty in future urban population. Transportation Research Part B: Methodological, 2019, 130, 36-66. | 2.8 | 10 |
| 21 | Development of rail transit network over multiple time periods. Transportation Research, Part A: Policy and Practice, 2019, 121, 235-250. | 2.0 | 5 |
| 22 | Optimal vessel speed and fleet size for industrial shipping services under the emission control area regulation. Transportation Research Part C: Emerging Technologies, 2019, 105, 37-53. | 3.9 | 64 |
| 23 | Modeling the effects of airline slot hoarding behavior under the grandfather rights with use-it-or-lose-it rule. Transportation Research, Part E: Logistics and Transportation Review, 2019, 122, 48-61. | 3.7 | 26 |
| 24 | Analysis of multimodal two-dimensional urban system equilibrium for cordon toll pricing and bus service design. Transportation Research Part B: Methodological, 2018, 111, 244-265. | 2.8 | 21 |
| 25 | Cordon toll pricing in a multi-modal linear monocentric city with stochastic auto travel time. Transportmetrica A: Transport Science, 2018, 14, 22-49. | 1.3 | 10 |
| 26 | Shipping network design in a growth market: The case of Indonesia. Transportation Research, Part E: Logistics and Transportation Review, 2018, 117, 108-125. | 3.7 | 27 |
| 27 | Optimal time for implementing cordon toll pricing scheme in a monocentric city. Papers in Regional Science, 2017, 96, 163-191. | 1.0 | 10 |
| 28 | Step tolling in an activity-based bottleneck model. Transportation Research Part B: Methodological, 2017, 101, 306-334. | 2.8 | 35 |
| 29 | An integrated model for road capacity choice and cordon toll pricing. Research in Transportation Economics, 2017, 62, 68-79. | 2.2 | 5 |
| 30 | Modeling the effects of unilateral and uniform emission regulations under shipping company and port competition. Transportation Research, Part E: Logistics and Transportation Review, 2017, 101, 99-114. | 3.7 | 95 |
| 31 | Transit-oriented development in an urban rail transportation corridor. Transportation Research Part B: Methodological, 2017, 103, 269-290. | 2.8 | 34 |
| 32 | Modeling the Effects of Speed Limit, Acceleration, and Deceleration on Overall Delay and Traffic Emission at a Signalized Intersection. Journal of Transportation Engineering Part A: Systems, 2017, 143, . | 0.8 | 8 |
| 33 | Forecasting passenger travel demand for air and high-speed rail integration service: A case study of Beijing-Guangzhou corridor, China. Transportation Research, Part A: Policy and Practice, 2016, 94, 397-410. | 2.0 | 63 |
| 34 | Modeling the effects of vehicle emission taxes on residential location choices of different-income households. Transportation Research, Part D: Transport and Environment, 2016, 48, 248-266. | 3.2 | 19 |
| 35 | Tradable location tax credit scheme for balancing traffic congestion and environmental externalities. International Journal of Sustainable Transportation, 2016, 10, 917-934. | 2.1 | 13 |
| 36 | Simultaneous optimization of fuel surcharges and transit service runs in a multimodal transport network: a time-dependent activity-based approach. Transportation Letters, 2016, 8, 35-46. | 1.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 37 | Optimal Schedules for Multimodal Transit Services. , 2016, , 253-285. | | 0 |
| 38 | Modeling transit technology selection in a linear transportation corridor. Journal of Advanced Transportation, 2015, 49, 48-72. | 0.9 | 12 |
| 39 | Transit technology investment and selection under urban population volatility: A real option perspective. Transportation Research Part B: Methodological, 2015, 78, 318-340. | 2.8 | 37 |
| 40 | Slot auction in an airport network with demand uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2015, 82, 79-100. | 3.7 | 27 |
| 41 | Modeling the Effects of Public Bicycle Schemes in a Congested Multi-Modal Road Network. International Journal of Sustainable Transportation, 2015, 9, 282-297. | 2.1 | 33 |
| 42 | Sustainable Toll Pricing and Capacity Investment in a Congested Road Network: A Goal Programming Approach. Journal of Transportation Engineering, 2014, 140, . | 0.9 | 12 |
| 43 | An integrated design of sustainable land use and transportation system with uncertainty in future population. Transportmetrica A: Transport Science, 2014, 10, 160-185. | 1.3 | 21 |
| 44 | Traffic signal timing problems with environmental and equity considerations. Journal of Advanced Transportation, 2014, 48, 1066-1086. | 0.9 | 15 |
| 45 | Pavement rehabilitation scheduling and toll pricing under different regulatory regimes. Annals of Operations Research, 2014, 217, 337-355. | 2.6 | 5 |
| 46 | Energy-Sustainable Traffic Signal Timings for a Congested Road Network With Heterogeneous Users. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 1016-1025. | 4.7 | 13 |
| 47 | Bottleneck model revisited: An activity-based perspective. Transportation Research Part B: Methodological, 2014, 68, 262-287. | 2.8 | 64 |
| 48 | Design of Sustainable Cordon Toll Pricing Schemes in a Monocentric City. Networks and Spatial Economics, 2014, 14, 133-158. | 0.7 | 39 |
| 49 | Optimal density of radial major roads in a two-dimensional monocentric city with endogenous residential distribution and housing prices. Regional Science and Urban Economics, 2013, 43, 927-937. | 1.4 | 35 |
| 50 | Modelling heterogeneous drivers' responses to route guidance and parking information systems in stochastic and time-dependent networks. Transportmetrica, 2012, 8, 105-129. | 1.8 | 32 |
| 51 | Environmentally Sustainable Toll Design for Congested Road Networks with Uncertain Demand. International Journal of Sustainable Transportation, 2012, 6, 127-155. | 2.1 | 83 |
| 52 | Vulnerability analysis for large-scale and congested road networks with demand uncertainty. Transportation Research, Part A: Policy and Practice, 2012, 46, 501-516. | 2.0 | 84 |
| 53 | Modeling intermodal equilibrium for bimodal transportation system design problems in a linear monocentric city. Transportation Research Part B: Methodological, 2012, 46, 30-49. | 2.8 | 78 |
| 54 | Modeling the effects of integrated rail and property development on the design of rail line services in a linear monocentric city. Transportation Research Part B: Methodological, 2012, 46, 710-728. | 2.8 | 51 |

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|---|---------|-----|-----------|
| 55 | Design of a rail transit line for profit maximization in a linear transportation corridor. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 50-70. | 3.7 | 80 |
| 56 | Optimization of Number of Operators and Allocation of New Lines in an Oligopolistic Transit Market. Networks and Spatial Economics, 2012, 12, 1-20. | 0.7 | 16 |
| 57 | Global optimization method for mixed transportation network design problem: A mixed-integer linear programming approach. Transportation Research Part B: Methodological, 2011, 45, 808-827. | 2.8 | 173 |
| 58 | Design of a rail transit line for profit maximization in a linear transportation corridor. Procedia, Social and Behavioral Sciences, 2011, 17, 82-112. | 0.5 | 7 |
| 59 | On the allocation of new lines in a competitive transit network with uncertain demand and scale economies. Journal of Advanced Transportation, 2011, 45, 233-251. | 0.9 | 21 |
| 60 | Network User Equilibrium Model for Scheduling Daily Activity Travel Patterns in Congested Networks. Transportation Research Record, 2011, 2254, 131-139. | 1.0 | 18 |
| 61 | An activity-based approach for scheduling multimodal transit services. Transportation, 2010, 37, 751-774. | 2.1 | 69 |
| 62 | A riskâ€averse user equilibrium model for route choice problem in signalâ€controlled networks. Journal of Advanced Transportation, 2010, 44, 219-230. | 0.9 | 21 |
| 63 | Optimal route allocation in a liberalizing airline market. Transportation Research Part B: Methodological, 2010, 44, 886-902. | 2.8 | 50 |
| 64 | The Optimal Transit Fare Structure under Different Market Regimes with Uncertainty in the Network. Networks and Spatial Economics, 2009, 9, 191-216. | 0.7 | 63 |
| 65 | Optimization of a Bus and Rail Transit System with Feeder Bus Services under Different Market Regimes. , 2009, , 495-516. | | 7 |
| 66 | Reliability Evaluation for Stochastic and Time-dependent Networks with Multiple Parking Facilities. Networks and Spatial Economics, 2008, 8, 355-381. | 0.7 | 25 |
| 67 | Modeling Impact of Transit Operator Fleet Size under various Market Regimes with Uncertainty in Network. Transportation Research Record, 2008, 2063, 18-27. | 1.0 | 23 |
| 68 | Modeling Park-and-Ride Services in a Multimodal Transport Network with Elastic Demand. Transportation Research Record, 2007, 1994, 101-109. | 1.0 | 61 |
| 69 | A multiclass, multicriteria logit-based traffic equilibrium assignment model under ATIS. European Journal of Operational Research, 2007, 176, 1464-1477. | 3.5 | 113 |
| 70 | Modeling an elastic-demand bimodal transport network with park-and-ride trips. Tsinghua Science and Technology, 2007, 12, 158-166. | 4.1 | 13 |
| 71 | Optimization of time-varying parking charges and parking supply in networks with multiple user classes and multiple parking facilities. Tsinghua Science and Technology, 2007, 12, 167-177. | 4.1 | 14 |
| 72 | A Model for Evaluation of Transport Policies in Multimodal Networks with Road and Parking Capacity Constraints. Mathematical Modelling and Algorithms, 2007, 6, 239-257. | 0.5 | 45 |

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|---|---------|-----|-----------|
| 73 | Modeling time-dependent travel choice problems in road networks with multiple user classes and multiple parking facilities. Transportation Research Part B: Methodological, 2006, 40, 368-395. | 2.8 | 129 |
| 74 | Fixed-Point Model and Schedule Reliability of Morning Commuting in Stochastic and Time-Dependent Transport Networks. Lecture Notes in Computer Science, 2005, , 777-787. | 1.0 | 7 |
| 75 | A Time-dependent Activity and Travel Choice Model with Multiple Parking Options. , 2005, , 717-739. | | 13 |
| 76 | A Comparison of System and User Performance under Single-Criterion and Multi-Criteria Route Guidance Systems. , 2004, , . | | 0 |
| 77 | Mixed equilibrium behavior and market penetration with global demand elasticity under advanced traveler information systems. , 0, , . | | 4 |
| 78 | Special Issue on Advances in Supernetwork Modelling and Mobility Pattern Analysis. Transportmetrica A: Transport Science, 0, , 1-3. | 1.3 | 0 |
| 79 | Airport pricing and regulation under passenger demand uncertainty. Transportmetrica B, 0, , 1-22. | 1.4 | 0 |