

# zhi-chun Li

## List of Publications by Year in descending order

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79  
papers

2,383  
citations

201575

27  
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223716

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79  
docs citations

79  
times ranked

1301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global optimization method for mixed transportation network design problem: A mixed-integer linear programming approach. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 808-827.	2.8	173
2	Modeling time-dependent travel choice problems in road networks with multiple user classes and multiple parking facilities. <i>Transportation Research Part B: Methodological</i> , 2006, 40, 368-395.	2.8	129
3	A multiclass, multicriteria logit-based traffic equilibrium assignment model under ATIS. <i>European Journal of Operational Research</i> , 2007, 176, 1464-1477.	3.5	113
4	Modeling the effects of unilateral and uniform emission regulations under shipping company and port competition. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2017, 101, 99-114.	3.7	95
5	Fifty years of the bottleneck model: A bibliometric review and future research directions. <i>Transportation Research Part B: Methodological</i> , 2020, 139, 311-342.	2.8	91
6	Vulnerability analysis for large-scale and congested road networks with demand uncertainty. <i>Transportation Research, Part A: Policy and Practice</i> , 2012, 46, 501-516.	2.0	84
7	Environmentally Sustainable Toll Design for Congested Road Networks with Uncertain Demand. <i>International Journal of Sustainable Transportation</i> , 2012, 6, 127-155.	2.1	83
8	Design of a rail transit line for profit maximization in a linear transportation corridor. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 50-70.	3.7	80
9	Modeling intermodal equilibrium for bimodal transportation system design problems in a linear monocentric city. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 30-49.	2.8	78
10	An activity-based approach for scheduling multimodal transit services. <i>Transportation</i> , 2010, 37, 751-774.	2.1	69
11	Bottleneck model revisited: An activity-based perspective. <i>Transportation Research Part B: Methodological</i> , 2014, 68, 262-287.	2.8	64
12	Optimal vessel speed and fleet size for industrial shipping services under the emission control area regulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 105, 37-53.	3.9	64
13	The Optimal Transit Fare Structure under Different Market Regimes with Uncertainty in the Network. <i>Networks and Spatial Economics</i> , 2009, 9, 191-216.	0.7	63
14	Forecasting passenger travel demand for air and high-speed rail integration service: A case study of Beijing-Guangzhou corridor, China. <i>Transportation Research, Part A: Policy and Practice</i> , 2016, 94, 397-410.	2.0	63
15	Modeling Park-and-Ride Services in a Multimodal Transport Network with Elastic Demand. <i>Transportation Research Record</i> , 2007, 1994, 101-109.	1.0	61
16	Modeling the effects of integrated rail and property development on the design of rail line services in a linear monocentric city. <i>Transportation Research Part B: Methodological</i> , 2012, 46, 710-728.	2.8	51
17	Optimal route allocation in a liberalizing airline market. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 886-902.	2.8	50
18	A Model for Evaluation of Transport Policies in Multimodal Networks with Road and Parking Capacity Constraints. <i>Mathematical Modelling and Algorithms</i> , 2007, 6, 239-257.	0.5	45

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19	Integrated planning of berth allocation and vessel sequencing in a seaport with one-way navigation channel. <i>Transportation Research Part B: Methodological</i> , 2021, 143, 23-47.	2.8	45
20	Design of Sustainable Cordon Toll Pricing Schemes in a Monocentric City. <i>Networks and Spatial Economics</i> , 2014, 14, 133-158.	0.7	39
21	Transit technology investment and selection under urban population volatility: A real option perspective. <i>Transportation Research Part B: Methodological</i> , 2015, 78, 318-340.	2.8	37
22	Optimal density of radial major roads in a two-dimensional monocentric city with endogenous residential distribution and housing prices. <i>Regional Science and Urban Economics</i> , 2013, 43, 927-937.	1.4	35
23	Step tolling in an activity-based bottleneck model. <i>Transportation Research Part B: Methodological</i> , 2017, 101, 306-334.	2.8	35
24	Transit-oriented development in an urban rail transportation corridor. <i>Transportation Research Part B: Methodological</i> , 2017, 103, 269-290.	2.8	34
25	Modeling the Effects of Public Bicycle Schemes in a Congested Multi-Modal Road Network. <i>International Journal of Sustainable Transportation</i> , 2015, 9, 282-297.	2.1	33
26	Berth Allocation and Quay Crane Assignment for the Trade-off Between Service Efficiency and Operating Cost Considering Carbon Emission Taxation. <i>Transportation Science</i> , 2020, 54, 1307-1331.	2.6	33
27	Modelling heterogeneous drivers' responses to route guidance and parking information systems in stochastic and time-dependent networks. <i>Transportmetrica</i> , 2012, 8, 105-129.	1.8	32
28	Slot auction in an airport network with demand uncertainty. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 82, 79-100.	3.7	27
29	Shipping network design in a growth market: The case of Indonesia. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 117, 108-125.	3.7	27
30	Modeling the effects of airline slot hoarding behavior under the grandfather rights with use-it-or-lose-it rule. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 122, 48-61.	3.7	26
31	Reliability Evaluation for Stochastic and Time-dependent Networks with Multiple Parking Facilities. <i>Networks and Spatial Economics</i> , 2008, 8, 355-381.	0.7	25
32	Evacuating metro passengers via the urban bus system under uncertain disruption recovery time and heterogeneous risk-taking behaviour. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 119, 102761.	3.9	24
33	Modeling Impact of Transit Operator Fleet Size under various Market Regimes with Uncertainty in Network. <i>Transportation Research Record</i> , 2008, 2063, 18-27.	1.0	23
34	The two-mode problem with bottleneck queuing and transit crowding: How should congestion be priced using tolls and fares?. <i>Transportation Research Part B: Methodological</i> , 2020, 138, 46-76.	2.8	23
35	A risk-averse user equilibrium model for route choice problem in signal-controlled networks. <i>Journal of Advanced Transportation</i> , 2010, 44, 219-230.	0.9	21
36	On the allocation of new lines in a competitive transit network with uncertain demand and scale economies. <i>Journal of Advanced Transportation</i> , 2011, 45, 233-251.	0.9	21

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37	An integrated design of sustainable land use and transportation system with uncertainty in future population. <i>Transportmetrica A: Transport Science</i> , 2014, 10, 160-185.	1.3	21
38	Analysis of multimodal two-dimensional urban system equilibrium for cordon toll pricing and bus service design. <i>Transportation Research Part B: Methodological</i> , 2018, 111, 244-265.	2.8	21
39	Modeling the effects of vehicle emission taxes on residential location choices of different-income households. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 48, 248-266.	3.2	19
40	Network User Equilibrium Model for Scheduling Daily Activity Travel Patterns in Congested Networks. <i>Transportation Research Record</i> , 2011, 2254, 131-139.	1.0	18
41	Subsidy or minimum requirement? Regulation of port adaptation investment under disaster ambiguity. <i>Transportation Research Part B: Methodological</i> , 2021, 150, 457-481.	2.8	18
42	Optimization of Number of Operators and Allocation of New Lines in an Oligopolistic Transit Market. <i>Networks and Spatial Economics</i> , 2012, 12, 1-20.	0.7	16
43	Traffic signal timing problems with environmental and equity considerations. <i>Journal of Advanced Transportation</i> , 2014, 48, 1066-1086.	0.9	15
44	Optimization of time-varying parking charges and parking supply in networks with multiple user classes and multiple parking facilities. <i>Tsinghua Science and Technology</i> , 2007, 12, 167-177.	4.1	14
45	Modeling the effects of airline and high-speed rail cooperation on multi-airport systems: The implications on congestion, competition and social welfare. <i>Transportation Research Part B: Methodological</i> , 2022, 155, 448-478.	2.8	14
46	Modeling an elastic-demand bimodal transport network with park-and-ride trips. <i>Tsinghua Science and Technology</i> , 2007, 12, 158-166.	4.1	13
47	Energy-Sustainable Traffic Signal Timings for a Congested Road Network With Heterogeneous Users. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014, 15, 1016-1025.	4.7	13
48	Tradable location tax credit scheme for balancing traffic congestion and environmental externalities. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 917-934.	2.1	13
49	A Time-dependent Activity and Travel Choice Model with Multiple Parking Options. , 2005, , 717-739.		13
50	Strategic planning of inland river ports under different market structures: Coordinated vs. independent operating regime. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 156, 102547.	3.7	13
51	Sustainable Toll Pricing and Capacity Investment in a Congested Road Network: A Goal Programming Approach. <i>Journal of Transportation Engineering</i> , 2014, 140, .	0.9	12
52	Modeling transit technology selection in a linear transportation corridor. <i>Journal of Advanced Transportation</i> , 2015, 49, 48-72.	0.9	12
53	Determination of subsidy and emission control coverage under competition and cooperation of China-Europe Railway Express and liner shipping. <i>Transport Policy</i> , 2022, 125, 323-335.	3.4	11
54	Optimal time for implementing cordon toll pricing scheme in a monocentric city. <i>Papers in Regional Science</i> , 2017, 96, 163-191.	1.0	10

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55	Cordon toll pricing in a multi-modal linear monocentric city with stochastic auto travel time. <i>Transportmetrica A: Transport Science</i> , 2018, 14, 22-49.	1.3	10
56	A theory of auto ownership rationing. <i>Transportation Research Part B: Methodological</i> , 2019, 127, 125-146.	2.8	10
57	Design of build-operate-transfer contract for integrated rail and property development with uncertainty in future urban population. <i>Transportation Research Part B: Methodological</i> , 2019, 130, 36-66.	2.8	10
58	Simultaneous optimization of fuel surcharges and transit service runs in a multimodal transport network: a time-dependent activity-based approach. <i>Transportation Letters</i> , 2016, 8, 35-46.	1.8	9
59	Modeling the Effects of Speed Limit, Acceleration, and Deceleration on Overall Delay and Traffic Emission at a Signalized Intersection. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	8
60	A mixed-equilibrium model of individual and household activity travel choices in multimodal transportation networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 131, 103337.	3.9	8
61	Design of a rail transit line for profit maximization in a linear transportation corridor. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 17, 82-112.	0.5	7
62	Airline network competition in inter-continental market. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 143, 102117.	3.7	7
63	Fixed-Point Model and Schedule Reliability of Morning Commuting in Stochastic and Time-Dependent Transport Networks. <i>Lecture Notes in Computer Science</i> , 2005, , 777-787.	1.0	7
64	Optimization of a Bus and Rail Transit System with Feeder Bus Services under Different Market Regimes. , 2009, , 495-516.		7
65	Optimal quality incentive scheme design in contracting out public bus services. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 133, 103427.	3.9	6
66	Pavement rehabilitation scheduling and toll pricing under different regulatory regimes. <i>Annals of Operations Research</i> , 2014, 217, 337-355.	2.6	5
67	An integrated model for road capacity choice and cordon toll pricing. <i>Research in Transportation Economics</i> , 2017, 62, 68-79.	2.2	5
68	Development of rail transit network over multiple time periods. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 121, 235-250.	2.0	5
69	Subsidy on transport adaptation investment-modeling decisions under incomplete information and ambiguity. <i>Transportation Research Part B: Methodological</i> , 2022, 162, 103-129.	2.8	5
70	Mixed equilibrium behavior and market penetration with global demand elasticity under advanced traveler information systems. , 0, , .		4
71	Investing in inter-city and/or intra-city rail lines? A general equilibrium analysis for a two-city system. <i>Transport Policy</i> , 2021, 108, 59-82.	3.4	3
72	Optimal deployment of emergency rescue stations in an urban transportation corridor. <i>Transportation</i> , 2020, 47, 445-473.	2.1	2

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73	Women-only parking spaces: Determinants of parking space choice, investment decision, and a case study of Wuhan, China. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 137, 103553.	3.9	2
74	Parking Demand Models. , 2021, , 519-523.		1
75	Special Issue on Advances in Supernetwork Modelling and Mobility Pattern Analysis. <i>Transportmetrica A: Transport Science</i> , 0, , 1-3.	1.3	0
76	The Mono-Centric City Model and Commuting Cost. , 2021, , 315-320.		0
77	A Comparison of System and User Performance under Single-Criterion and Multi-Criteria Route Guidance Systems. , 2004, , .		0
78	Optimal Schedules for Multimodal Transit Services. , 2016, , 253-285.		0
79	Airport pricing and regulation under passenger demand uncertainty. <i>Transportmetrica B</i> , 0, , 1-22.	1.4	0