

Jiancheng Long

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,277
citations

331538

21
h-index

395590

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all docs

62
docs citations

62
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiple type bike repositioning problem. <i>Transportation Research Part B: Methodological</i> , 2016, 90, 263-278.	2.8	106
2	Urban traffic congestion propagation and bottleneck identification. <i>Science in China Series F: Information Sciences</i> , 2008, 51, 948-964.	1.1	81
3	Urban Traffic Jam Simulation Based on the Cell Transmission Model. <i>Networks and Spatial Economics</i> , 2011, 11, 43-64.	0.7	75
4	A turning restriction design problem in urban road networks. <i>European Journal of Operational Research</i> , 2010, 206, 569-578.	3.5	72
5	Ride-sharing with travel time uncertainty. <i>Transportation Research Part B: Methodological</i> , 2018, 118, 143-171.	2.8	64
6	A bi-objective turning restriction design problem in urban road networks. <i>European Journal of Operational Research</i> , 2014, 237, 426-439.	3.5	52
7	Discretised link travel time models based on cumulative flows: Formulations and properties. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 232-254.	2.8	50
8	Control Strategies for Dispersing Incident-Based Traffic Jams in Two-Way Grid Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 469-481.	4.7	46
9	Simulating the Dynamic Escape Process in Large Public Places. <i>Operations Research</i> , 2014, 62, 1344-1357.	1.2	46
10	An Intersection-Movement-Based Dynamic User Optimal Route Choice Problem. <i>Operations Research</i> , 2013, 61, 1134-1147.	1.2	44
11	A Distributionally Robust Joint Chance Constrained Optimization Model for the Dynamic Network Design Problem under Demand Uncertainty. <i>Networks and Spatial Economics</i> , 2014, 14, 409-433.	0.7	41
12	Spatial distribution complexities of traffic congestion and bottlenecks in different network topologies. <i>Applied Mathematical Modelling</i> , 2014, 38, 496-505.	2.2	37
13	Optimal locations and electricity prices for dynamic wireless charging links of electric vehicles for sustainable transportation. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 152, 102187.	3.7	37
14	Link-based system optimum dynamic traffic assignment problems with environmental objectives. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 60, 56-75.	3.2	35
15	Bike network design problem with a path-size logit-based equilibrium constraint: Formulation, global optimization, and matheuristic. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 127, 284-307.	3.7	30
16	An intersection-movement-based stochastic dynamic user optimal route choice model for assessing network performance. <i>Transportation Research Part B: Methodological</i> , 2015, 74, 182-217.	2.8	29
17	Promoting social equity with cyclic tradable credits. <i>Transportation Research Part B: Methodological</i> , 2019, 121, 56-73.	2.8	28
18	The nonlinear equation system approach to solving dynamic user optimal simultaneous route and departure time choice problems. <i>Transportation Research Part B: Methodological</i> , 2016, 83, 179-206.	2.8	26

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19	A dynamic taxi traffic assignment model: A two-level continuum transportation system approach. <i>Transportation Research Part B: Methodological</i> , 2017, 100, 222-254.	2.8	26
20	Multi-class dynamic traffic assignment with physical queues: intersection-movement-based formulation and paradox. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 878-908.	1.3	25
21	A nonlinear equation system approach to the dynamic stochastic user equilibrium simultaneous route and departure time choice problem. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 388-419.	1.3	22
22	Stepwise capacity integration in port cluster under uncertainty and congestion. <i>Transport Policy</i> , 2021, 112, 94-113.	3.4	21
23	Link-Based System Optimum Dynamic Traffic Assignment Problems in General Networks. <i>Operations Research</i> , 2019, 67, 167-182.	1.2	18
24	An Eco-Driving Strategy for Partially Connected Automated Vehicles at a Signalized Intersection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 15780-15793.	4.7	17
25	Congestion and environmental toll schemes for the morning commute with heterogeneous users and parallel routes. <i>Transportation Research Part B: Methodological</i> , 2019, 129, 305-333.	2.8	14
26	Stochastic Ridesharing User Equilibrium in Transport Networks. <i>Networks and Spatial Economics</i> , 2019, 19, 1007-1030.	0.7	14
27	Discretised route travel time models based on cumulative flows. <i>Journal of Advanced Transportation</i> , 2013, 47, 105-125.	0.9	13
28	Upper bound of network capacity and a static optimal packet routing strategy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 401, 174-181.	1.2	12
29	A single-step-toll equilibrium for the bottleneck model with dropped capacity. <i>Transportmetrica B</i> , 2016, 4, 92-110.	1.4	12
30	A New Cellular Automaton Model for Urban Two-Way Road Networks. <i>Computational Intelligence and Neuroscience</i> , 2014, 2014, 1-6.	1.1	11
31	A time-dependent shared autonomous vehicle system design problem. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 124, 102956.	3.9	11
32	Assessing the benefits of integrated en-route transit information systems and time-varying transit pricing systems in a congested transit network. <i>Transportation Planning and Technology</i> , 2009, 32, 215-237.	0.9	10
33	Optimal official work start times in activity-based bottleneck models with staggered work hours. <i>Transportmetrica B</i> , 2019, 7, 657-683.	1.4	10
34	An effective algorithm to simulate pedestrian flow using the heuristic force-based model. <i>Transportmetrica B</i> , 2015, 3, 1-26.	1.4	9
35	Simulations for train traffic flow on single-track railways with speed limits and slopes. <i>Journal of Simulation</i> , 2017, 11, 346-356.	1.0	9
36	Dynamic system optimum simultaneous route and departure time choice problems: Intersection-movement-based formulations and comparisons. <i>Transportation Research Part B: Methodological</i> , 2018, 115, 166-206.	2.8	9

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37	A new transit assignment model based on line and node strategies. <i>Transportation Research Part B: Methodological</i> , 2021, 150, 121-142.	2.8	9
38	The vehicle routing problem of intercity ride-sharing between two cities. <i>Transportation Research Part B: Methodological</i> , 2022, 158, 113-139.	2.8	9
39	Trial-and-error operation schemes for bimodal transport systems. <i>Transportation Research Part B: Methodological</i> , 2020, 131, 106-123.	2.8	8
40	Integrated optimization approach to metro crew scheduling and rostering. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 123, 102975.	3.9	8
41	Injury severity analysis of drivers in single-vehicle rollover crashes: A random thresholds random parameters hierarchical ordered logit approach. <i>Journal of Transportation Safety and Security</i> , 2022, 14, 1378-1394.	1.1	8
42	Effect of overpasses in the Biham-Middleton-Levine traffic flow model with random and parallel update rule. <i>Physical Review E</i> , 2013, 88, 022809.	0.8	7
43	Dynamic traffic assignment in degradable networks: paradoxes and formulations with stochastic link transmission model. <i>Transportmetrica B</i> , 2019, 7, 336-362.	1.4	7
44	Departure time choice equilibrium and tolling strategies for a bottleneck with continuous scheduling preference. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 159, 102644.	3.7	7
45	Passenger Assignment Model Based on Common Route in Congested Transit Networks. <i>Journal of Transportation Engineering</i> , 2012, 138, 1484-1494.	0.9	6
46	Departure Time Choice Equilibrium and Tolling Strategies for a Bottleneck with Stochastic Capacity. <i>Transportation Science</i> , 2022, 56, 79-102.	2.6	6
47	An improved heuristic-based model to reproduce pedestrian dynamic on the single-file staircase. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122270.	1.2	5
48	Influence of synchronized traffic light on the states of bus operating system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 453, 9-23.	1.2	4
49	Managing rail transit peak-hour congestion with step fare schemes. <i>Transportmetrica A: Transport Science</i> , 2020, 16, 1490-1511.	1.3	4
50	Dynamic User Optimal Signal Design at Isolated Intersections. <i>Promet - Traffic - Traffico</i> , 2013, 25, 13-22.	0.3	4
51	Camera location optimisation for traffic surveillance in urban road networks with multiple user classes. <i>International Journal of Systems Science</i> , 2013, 44, 2211-2222.	3.7	3
52	Train movement simulation by element increment method. <i>Journal of Advanced Transportation</i> , 2016, 50, 2060-2076.	0.9	3
53	Traffic congestion in dynamical network with finite storage capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 545, 123460.	1.2	3
54	Modeling and managing the morning commute problem with park-and-ride-sharing. <i>Transportation Research Part B: Methodological</i> , 2021, 150, 190-226.	2.8	3

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55	Travel Behavior of Morning Commute with Staggered Work Hours. Procedia Engineering, 2016, 137, 796-805.	1.2	2
56	A Bi-level Programming Model for Network Traffic Surveillance of Optimal Camera Location. , 2011, , .		1
57	A Mixed Traffic Assignment Problem and Its Upper Bound of Efficiency Loss. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.4	1
58	Mean first return time for random walks on weighted networks. International Journal of Modern Physics C, 2015, 26, 1550068.	0.8	1
59	Phase transition in 2D partially asymmetric simple exclusion process with two species. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P10002.	0.9	1
60	Dynamic User Optimal Signal Design at an Intersection. , 2011, , .		0
61	Multiple states induced by dynamic speed allocation in dynamical networks. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121868.	1.2	0