Jiancheng Long

List of Publications by Year
in descending order

61 papers	1,277 citations	331538 21 h-index	395590 33 g-index
62 all docs	62 docs citations	62 times ranked	1055 citing authors

#	Article	IF	Citations
1	Injury severity analysis of drivers in single-vehicle rollover crashes: A random thresholds random parameters hierarchical ordered logit approach. Journal of Transportation Safety and Security, 2022, 14, 1378-1394.	1.1	8
2	Departure Time Choice Equilibrium and Tolling Strategies for a Bottleneck with Stochastic Capacity. Transportation Science, 2022, 56, 79-102.	2.6	6
3	An Eco-Driving Strategy for Partially Connected Automated Vehicles at a Signalized Intersection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15780-15793.	4.7	17
4	Departure time choice equilibrium and tolling strategies for a bottleneck with continuous scheduling preference. Transportation Research, Part E: Logistics and Transportation Review, 2022, 159, 102644.	3.7	7
5	The vehicle routing problem of intercity ride-sharing between two cities. Transportation Research Part B: Methodological, 2022, 158, 113-139.	2.8	9
6	Integrated optimization approach to metro crew scheduling and rostering. Transportation Research Part C: Emerging Technologies, 2021, 123, 102975.	3.9	8
7	A time-dependent shared autonomous vehicle system design problem. Transportation Research Part C: Emerging Technologies, 2021, 124, 102956.	3.9	11
8	A new transit assignment model based on line and node strategies. Transportation Research Part B: Methodological, 2021, 150, 121-142.	2.8	9
9	Modeling and managing the morning commute problem with park-and-ride-sharing. Transportation Research Part B: Methodological, 2021, 150, 190-226.	2.8	3
10	Optimal locations and electricity prices for dynamic wireless charging links of electric vehicles for sustainable transportation. Transportation Research, Part E: Logistics and Transportation Review, 2021, 152, 102187.	3.7	37
11	Stepwise capacity integration in port cluster under uncertainty and congestion. Transport Policy, 2021, 112, 94-113.	3.4	21
12	Trial-and-error operation schemes for bimodal transport systems. Transportation Research Part B: Methodological, 2020, 131, 106-123.	2.8	8
13	Traffic congestion in dynamical network with finite storage capacity. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 123460.	1.2	3
14	Managing rail transit peak-hour congestion with step fare schemes. Transportmetrica A: Transport Science, 2020, 16, 1490-1511.	1.3	4
15	An improved heuristic-based model to reproduce pedestrian dynamic on the single-file staircase. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122270.	1.2	5
16	Multiple states induced by dynamic speed allocation in dynamical networks. Physica A: Statistical Mechanics and Its Applications, 2019, 532, 121868.	1.2	0
17	Congestion and environmental toll schemes for the morning commute with heterogeneous users and parallel routes. Transportation Research Part B: Methodological, 2019, 129, 305-333.	2.8	14
18	Link-Based System Optimum Dynamic Traffic Assignment Problems in General Networks. Operations Research, 2019, 67, 167-182.	1.2	18

#	Article	IF	Citations
19	Bike network design problem with a path-size logit-based equilibrium constraint: Formulation, global optimization, and matheuristic. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 284-307.	3.7	30
20	Stochastic Ridesharing User Equilibrium in Transport Networks. Networks and Spatial Economics, 2019, 19, 1007-1030.	0.7	14
21	Promoting social equity with cyclic tradable credits. Transportation Research Part B: Methodological, 2019, 121, 56-73.	2.8	28
22	Dynamic traffic assignment in degradable networks: paradoxes and formulations with stochastic link transmission model. Transportmetrica B, 2019, 7, 336-362.	1.4	7
23	Optimal official work start times in activity-based bottleneck models with staggered work hours. Transportmetrica B, 2019, 7, 657-683.	1.4	10
24	Link-based system optimum dynamic traffic assignment problems with environmental objectives. Transportation Research, Part D: Transport and Environment, 2018, 60, 56-75.	3.2	35
25	Ride-sharing with travel time uncertainty. Transportation Research Part B: Methodological, 2018, 118, 143-171.	2.8	64
26	Dynamic system optimum simultaneous route and departure time choice problems: Intersection-movement-based formulations and comparisons. Transportation Research Part B: Methodological, 2018, 115, 166-206.	2.8	9
27	A dynamic taxi traffic assignment model: A two-level continuum transportation system approach. Transportation Research Part B: Methodological, 2017, 100, 222-254.	2.8	26
28	Simulations for train traffic flow on single-track railways with speed limits and slopes. Journal of Simulation, 2017, 11, 346-356.	1.0	9
29	Multi-class dynamic traffic assignment with physical queues: intersection-movement-based formulation and paradox. Transportmetrica A: Transport Science, 2016, 12, 878-908.	1.3	25
30	A multiple type bike repositioning problem. Transportation Research Part B: Methodological, 2016, 90, 263-278.	2.8	106
31	Train movement simulation by element increment method. Journal of Advanced Transportation, 2016, 50, 2060-2076.	0.9	3
32	Travel Behavior of Morning Commute with Staggered Work Hours. Procedia Engineering, 2016, 137, 796-805.	1.2	2
33	A single-step-toll equilibrium for the bottleneck model with dropped capacity. Transportmetrica B, 2016, 4, 92-110.	1.4	12
34	The nonlinear equation system approach to solving dynamic user optimal simultaneous route and departure time choice problems. Transportation Research Part B: Methodological, 2016, 83, 179-206.	2.8	26
35	Influence of synchronized traffic light on the states of bus operating system. Physica A: Statistical Mechanics and Its Applications, 2016, 453, 9-23.	1.2	4
36	A nonlinear equation system approach to the dynamic stochastic user equilibrium simultaneous route and departure time choice problem. Transportmetrica A: Transport Science, 2015, 11, 388-419.	1.3	22

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37	Mean first return time for random walks on weighted networks. International Journal of Modern Physics C, 2015, 26, 1550068.	0.8	1
38	An effective algorithm to simulate pedestrian flow using the heuristic force-based model. Transportmetrica B, 2015, 3, 1-26.	1.4	9
39	An intersection-movement-based stochastic dynamic user optimal route choice model for assessing network performance. Transportation Research Part B: Methodological, 2015, 74, 182-217.	2.8	29
40	A Mixed Traffic Assignment Problem and Its Upper Bound of Efficiency Loss. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.4	1
41	Simulating the Dynamic Escape Process in Large Public Places. Operations Research, 2014, 62, 1344-1357.	1.2	46
42	A New Cellular Automaton Model for Urban Two-Way Road Networks. Computational Intelligence and Neuroscience, 2014, 2014, 1-6.	1.1	11
43	A bi-objective turning restriction design problem in urban road networks. European Journal of Operational Research, 2014, 237, 426-439.	3.5	52
44	A Distributionally Robust Joint Chance Constrained Optimization Model for the Dynamic Network Design Problem under Demand Uncertainty. Networks and Spatial Economics, 2014, 14, 409-433.	0.7	41
45	Upper bound of network capacity and a static optimal packet routing strategy. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 174-181.	1.2	12
46	Spatial distribution complexities of traffic congestion and bottlenecks in different network topologies. Applied Mathematical Modelling, 2014, 38, 496-505.	2.2	37
47	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
48	Effect of overpasses in the Biham-Middleton-Levine traffic flow model with random and parallel update rule. Physical Review E, 2013, 88, 022809.	0.8	7
49	Camera location optimisation for traffic surveillance in urban road networks with multiple user classes. International Journal of Systems Science, 2013, 44, 2211-2222.	3.7	3
50	Discretised route travel time models based on cumulative flows. Journal of Advanced Transportation, 2013, 47, 105-125.	0.9	13
51	An Intersection-Movement-Based Dynamic User Optimal Route Choice Problem. Operations Research, 2013, 61, 1134-1147.	1.2	44
52	Dynamic User Optimal Signal Design at Isolated Intersections. Promet - Traffic - Traffico, 2013, 25, 13-22.	0.3	4
53	Passenger Assignment Model Based on Common Route in Congested Transit Networks. Journal of Transportation Engineering, 2012, 138, 1484-1494.	0.9	6
54	Control Strategies for Dispersing Incident-Based Traffic Jams in Two-Way Grid Networks. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 469-481.	4.7	46

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55	Discretised link travel time models based on cumulative flows: Formulations and properties. Transportation Research Part B: Methodological, 2011, 45, 232-254.	2.8	50
56	Urban Traffic Jam Simulation Based on the Cell Transmission Model. Networks and Spatial Economics, 2011, 11, 43-64.	0.7	75
57	Dynamic User Optimal Signal Design at an Intersection. , 2011, , .		0
58	A Bi-level Programming Model for Network Traffic Surveillance of Optimal Camera Location. , 2011, , .		1
59	A turning restriction design problem in urban road networks. European Journal of Operational Research, 2010, 206, 569-578.	3.5	72
60	Assessing the benefits of integrated en-route transit information systems and time-varying transit pricing systems in a congested transit network. Transportation Planning and Technology, 2009, 32, 215-237.	0.9	10
61	Urban traffic congestion propagation and bottleneck identification. Science in China Series F: Information Sciences, 2008, 51, 948-964.	1.1	81