

Shidong Liang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3444810/shidong-liang-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

242
citations

10
h-index

13
g-index

41
ext. papers

332
ext. citations

2.3
avg, IF

4.1
L-index

#	Paper	IF	Citations
36	Optimal control to improve reliability of demand responsive transport priority at signalized intersections considering the stochastic process. <i>Reliability Engineering and System Safety</i> , 2022 , 218, 108192	6.3	1
35	Dynamic Control Cycle Speed Limit Strategy for Improving Traffic Operation at Freeway Bottlenecks. <i>KSCE Journal of Civil Engineering</i> , 2021 , 25, 692-704	1.9	5
34	Dynamic control cycle speed limit strategy for balanced reduction of travel time and emissions. <i>Modern Physics Letters B</i> , 2021 , 35, 2150153	1.6	1
33	Density waves in car-following model for autonomous vehicles with backward looking effect. <i>Applied Mathematical Modelling</i> , 2021 , 94, 1-12	4.5	10
32	Advantages of bus stop skipping and holding control in reducing schedule deviation. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2021 , 174, 14-23	0.5	3
31	Influence of bus stop location on traffic flow. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2021 , 174, 24-31	0.5	3
30	Nonlinear analysis of the car-following model considering headway changes with memory and backward looking effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 562, 125303	3.3	10
29	Optimal holding time calculation algorithm to improve the reliability of high frequency bus route considering the bus capacity constraint. <i>Reliability Engineering and System Safety</i> , 2021 , 212, 107632	6.3	3
28	A Prediction Model for Bus Arrival Time at Bus Stop Considering Signal Control and Surrounding Traffic Flow. <i>IEEE Access</i> , 2020 , 8, 127672-127681	3.5	4
27	Sensitivity Analysis of Fleet Size for Dynamic Headway-Based Control Method Performance in terms of Passengers Experience. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-16	1.9	4
26	An improved car-following model accounting for the time-delayed velocity difference and backward looking effect. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 85, 105223-105237	3.7	18
25	Reliability Optimization Model of Stop-Skipping Bus Operation with Capacity Constraints. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-11	1.9	4
24	Pre-Control Strategies for Downstream Bus Service Reliability With Traffic Signal. <i>IEEE Access</i> , 2020 , 8, 148853-148864	3.5	3
23	Coordinated Headway-Based Control Method to Improve Public Transit Reliability considering Control Points Layout. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-16	1.9	1
22	Analysis of Bus Bunching Impact on Car Delays at Signalized Intersections. <i>KSCE Journal of Civil Engineering</i> , 2019 , 23, 833-843	1.9	8
21	Short-Term Passenger Flow Prediction in Urban Public Transport: Kalman Filtering Combined K-Nearest Neighbor Approach. <i>IEEE Access</i> , 2019 , 7, 120937-120949	3.5	8
20	Impact of Guideline Markings on Saturation Flow Rate at Signalized Intersections. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-13	1.9	6

19	Coordinated control method to self-equalize bus headways: an analytical method. <i>Transportmetrica B</i> , 2019 , 7, 1175-1202	1.8	11
18	Multiobjective Optimal Formulations for Bus Fleet Size of Public Transit under Headway-Based Holding Control. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-14	1.9	13
17	The impact of bus fleet size on performance of self-equalise bus headway control method. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2019 , 172, 246-256	0.5	4
16	A Bidirectional Searching Strategy to Improve Data Quality Based on K-Nearest Neighbor Approach. <i>Symmetry</i> , 2019 , 11, 815	2.7	2
15	Design of Short-Turning Service for a Bus Route with Hybrid Vehicle Type. <i>Symmetry</i> , 2019 , 11, 1140	2.7	1
14	An integrated control method based on the priority of ways in a freeway network. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 843-852	1.8	4
13	Design of limited-stop service based on the degree of unbalance of passenger demand. <i>PLoS ONE</i> , 2018 , 13, e0193855	3.7	8
12	An optimization approach for freeway network coordinated traffic control and route guidance. <i>PLoS ONE</i> , 2018 , 13, e0204255	3.7	5
11	Real-Time Integrated Limited-Stop and Short-Turning Bus Control with Stochastic Travel Time. <i>Journal of Advanced Transportation</i> , 2017 , 2017, 1-9	1.9	14
10	Operational efficiency of the right-turning merging area at an intersection. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2017 , 1-30	0.5	
9	Short-term traffic flow prediction using a self-adaptive two-dimensional forecasting method. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401771900	1.2	10
8	Optimising the design of a limited-stop bus service for a branching network. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2017 , 170, 230-238	0.5	7
7	Design of Integrated Limited-Stop and Short-Turn Services for a Bus Route. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-9	1.1	10
6	A Self-Adjusting Method to Resist Bus Bunching Based on Boarding Limits. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-7	1.1	13
5	A New Coordinated Control Method on the Intersection of Traffic Region. <i>Discrete Dynamics in Nature and Society</i> , 2016 , 2016, 1-10	1.1	3
4	A self-adaptive method to equalize headways: Numerical analysis and comparison. <i>Transportation Research Part B: Methodological</i> , 2016 , 87, 33-43	7.2	33
3	Analysis of Traffic Conditions in Urban Region Based on Data from Fixed Detectors. <i>Discrete Dynamics in Nature and Society</i> , 2015 , 2015, 1-8	1.1	2
2	CTM Based Real-Time Queue Length Estimation at Signalized Intersection. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12	1.1	8

- 1 The non-lane-discipline-based car-following model considering forward and backward vehicle information under connected environment. *Nonlinear Dynamics*,1

5 2