

Yiming Bie

List of Publications by Year in descending order

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34
papers

553
citations

759233

12
h-index

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34
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of electric bus scheduling considering stochastic volatilities in trip travel time and energy consumption. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021, 36, 1530-1548.	9.8	82
2	Dynamic headway control for high-frequency bus line based on speed guidance and intersection signal adjustment. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 4-25.	9.8	80
3	Time of day intervals partition for bus schedule using GPS data. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 60, 443-456.	7.6	63
4	Prediction Model of Bus Arrival Time at Signalized Intersection Using GPS Data. <i>Journal of Transportation Engineering</i> , 2012, 138, 12-20.	0.9	49
5	Calibration of Platoon Dispersion Parameter Considering the Impact of the Number of Lanes. <i>Journal of Transportation Engineering</i> , 2013, 139, 200-207.	0.9	37
6	Optimal Electric Bus Scheduling Based on the Combination of All-Stop and Short-Turning Strategies. <i>Sustainability</i> , 2021, 13, 1827.	3.2	28
7	Modelling correlation degree between two adjacent signalised intersections for dynamic subarea partition. <i>IET Intelligent Transport Systems</i> , 2013, 7, 28-35.	3.0	26
8	Mixed-integer second-order cone programming model for bus route clustering problem. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 102, 351-369.	7.6	21
9	Impacts of Winter Weather on Bus Travel Time in Cold Regions: Case Study of Harbin, China. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018, 144, .	1.4	18
10	Comparison of hook-turn scheme with U-turn scheme based on actuated traffic control algorithm. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 484-501.	2.0	17
11	Performance Evaluation of Bus Routes Using Automatic Vehicle Location Data. <i>Journal of Transportation Engineering</i> , 2016, 142, .	0.9	16
12	Automatic Estimation Method for Intersection Saturation Flow Rate Based on Video Detector Data. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-9.	1.7	13
13	Joint Optimization for the Locations of Time Control Points and Corresponding Slack Times for a Bus Route. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 411-419.	1.9	13
14	A real-time traffic control method for the intersection with pre-signals under the phase swap sorting strategy. <i>PLoS ONE</i> , 2017, 12, e0177637.	2.5	12
15	Measure dynamic individual spatial-temporal accessibility by public transit: Integrating time-table and passenger departure time. <i>Journal of Transport Geography</i> , 2018, 66, 235-247.	5.0	11
16	Bus Scheduling of Overlapping Routes With Multi-Vehicle Types Based on Passenger OD Data. <i>IEEE Access</i> , 2020, 8, 1406-1415.	4.2	11
17	Identification of spillovers in urban street networks based on upstream fixed traffic data. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1539-1547.	1.9	9
18	Optimization of coordinated signal settings for hook-turn intersections. <i>Journal of Advanced Transportation</i> , 2016, 50, 197-213.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Improving schedule adherence based on dynamic signal control and speed guidance in connected bus system. <i>Journal of Intelligent and Connected Vehicles</i> , 2020, 3, 79-88.	7.4	7
20	Mixed Scheduling Strategy for High Frequency Bus Routes With Common Stops. <i>IEEE Access</i> , 2020, 8, 34442-34454.	4.2	7
21	Integrating Bus Priority and Presignal Method at Signalized Intersection: Algorithm Development and Evaluation. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020, 146, .	1.4	6
22	Development of a New Platoon Dispersion Model considering Turning Vehicles in Urban Road Environment. <i>Advances in Mechanical Engineering</i> , 2014, 6, 279570.	1.6	4
23	Prediction model for bus inter-stop travel time considering the impacts of signalized intersections. <i>Transportmetrica A: Transport Science</i> , 2021, 17, 171-189.	2.0	4
24	Estimating Permitted Left-Turn Capacities with Nonstrict Priority Crossing Maneuvers. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, .	1.4	3
25	Research on Safety and Static-Dynamic Legibility of Distressed Pavement. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-7.	0.9	2
26	Modeling Unidirectional Pedestrian Movement: An Investigation of Diffusion Behavior in the Built Environment. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-6.	1.1	2
27	A Transfer Optimization Method for Urban Passenger Hub based on Multiple Objectives. <i>Recent Patents on Computer Science</i> , 2014, 7, 110-118.	0.5	1
28	Impact of Carriage Crowding Level on Bus Dwell Time: Modelling and Analysis. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-11.	1.7	1
29	Impact of Ambient Temperature on Electric Bus Energy Consumption in Cold Regions: Case Study of Meihokou City, China. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 95-103.	0.6	1
30	A Traffic Signal Control Algorithm for an Oversaturated Isolated Intersection Based on Video Detection Data. , 2015, , .		0
31	Estimation Method of Saturation Flow Rate for Shared Left-Turn Lane at the Signalized Intersection, Part I: Methodology. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 39-47.	0.6	0
32	Estimation Method of Saturation Flow Rate for Shared Left-Turn Lane at Signalized Intersection, Part II: Case Study. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 49-56.	0.6	0
33	Optimal Vehicle Performance Parameters Selection for Electric Bus Routes. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 49-59.	0.6	0
34	Study on Macroscopical Layout Optimization Model of Large Passenger Transfer Hub Facilities Based on NSGA-II. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 386-396.	0.6	0