Dianhai Wang

List of Publications by Year
in descending order

46 papers	650 citations	687363 13 h-index	610901 24 g-index
46 all docs	46 docs citations	46 times ranked	559 citing authors

#	Article	IF	Citations
1	Link dynamic vehicle count estimation based on travel time distribution using license plate recognition data. Transportmetrica A: Transport Science, 2023, 19, .	2.0	3
2	Will they ride them back? User behavior on public bikesharing schemes: Case study of Hangzhou, China. International Journal of Sustainable Transportation, 2023, 17, 615-625.	4.1	1
3	Nonnegative tensor decomposition for urban mobility analysis and applications with mobile phone data. Transportmetrica A: Transport Science, 2022, 18, 29-53.	2.0	5
4	Optimizing Road Network Density Considering Automobile Traffic Efficiency: Theoretical Approach. Journal of the Urban Planning and Development Division, ASCE, 2022, 148, .	1.7	10
5	Identifying traffic clusters in urban networks based on graph theory using license plate recognition data. Physica A: Statistical Mechanics and Its Applications, 2022, 591, 126750.	2.6	4
6	A Novel Approach to Estimating Missing Pairs of On/Off Ramp Flows. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1287-1305.	8.0	8
7	Impact of the Link Length on the Delay in Two-Way Signal Coordination. IEEE Access, 2021, 9, 130823-130833.	4.2	0
8	Passenger-to-Car Assignment Optimization Model for High-Speed Railway with Risk of COVID-19 Transmission Consideration. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	7
9	A comparison of users' characteristics between station-based bikesharing system and free-floating bikesharing system: case study in Hangzhou, China. Transportation, 2020, 47, 689-704.	4.0	54
10	Choice behavior of tourism destination and travel mode: A case study of local residents in Hangzhou, China. Journal of Transport Geography, 2020, 89, 102895.	5.0	22
11	Spatiotemporal influence of land use and household properties on automobile travel demand. Transportation Research, Part D: Transport and Environment, 2020, 84, 102359.	6.8	34
12	Queue Length Estimation for Signalized Intersections Using License Plate Recognition Data. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 209-220.	3.8	33
13	Grouped travel time estimation in signalized arterials using point-to-point detectors. Transportation Research Part B: Methodological, 2019, 130, 130-151.	5.9	17
14	Prompt prediction of spillovers in urban street networks by using rolling time occupancy data. Transportmetrica A: Transport Science, 2019, 15, 1041-1060.	2.0	1
15	Recurrent and non-recurrent bottleneck analysis based on traffic state rank distribution. Transportmetrica B, 2019, 7, 275-294.	2.3	4
16	Simulation analysis of traffic signal control and transit signal priority strategies under Arterial Coordination Conditions. Simulation, 2019, 95, 51-64.	1.8	8
17	Policy-Combination Oriented Optimization for Public Transportation Based on the Game Theory. Mathematical Problems in Engineering, 2018, 2018, 1-14.	1.1	6
18	Service Evaluation of Public Bicycle Scheme from a User Perspective: A Case Study in Hangzhou, China. Transportation Research Record, 2017, 2634, 28-34.	1.9	13

#	Article	IF	Citations
19	Traffic demand estimation for lane groups at signal€controlled intersections using travel times from video€imaging detectors. IET Intelligent Transport Systems, 2017, 11, 222-229.	3.0	46
20	A Novel Speed€"Density Relationship Model Based on the Energy Conservation Concept. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1179-1189.	8.0	9
21	A Novel Trip Coverage Index for Transit Accessibility Assessment Using Mobile Phone Data. Journal of Advanced Transportation, 2017, 2017, 1-14.	1.7	13
22	Lane-Based Saturation Degree Estimation for Signalized Intersections Using Travel Time Data. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 136-148.	3.8	50
23	Spatial-Temporal Congestion Identification Based on Time Series Similarity Considering Missing Data. PLoS ONE, 2016, 11, e0162043.	2.5	4
24	Signal coordination models for long arterials and grid networks. Transportation Research Part C: Emerging Technologies, 2016, 71, 215-230.	7.6	32
25	Gating Control for a Single Bottleneck Link Based on Traffic Load Equilibrium. International Journal of Civil Engineering, 2016, 14, 281-293.	2.0	13
26	Traffic design and signal timing of staggered intersections based on a sorting strategy. Advances in Mechanical Engineering, 2016, 8, 168781401664129.	1.6	5
27	Travel time estimation method for urban road based on traffic stream directions. Transportmetrica A: Transport Science, 2016, 12, 479-503.	2.0	26
28	Tracing Road Network Bottleneck by Data Driven Approach. PLoS ONE, 2016, 11, e0156089.	2.5	8
29	Modeling Mixed Bicycle Traffic Flow: A Comparative Study on the Cellular Automata Approach. Discrete Dynamics in Nature and Society, 2015, 2015, 1-11.	0.9	3
30	An Optimization Method of Time Window Based on Travel Time and Reliability. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	1
31	Estimation of saturation degree for lane groups at signalized intersections using video imaging detection data. , 2014, , .		0
32	Location-Dependent Lane-Changing Behavior for Arterial Road Traffic. Networks and Spatial Economics, 2014, 14, 67-89.	1.6	9
33	Identification of spillovers in urban street networks based on upstream fixed traffic data. KSCE Journal of Civil Engineering, 2014, 18, 1539-1547.	1.9	9
34	A link traffic model by incorporating both merits of vertical and Horizontal Queue Concept. KSCE Journal of Civil Engineering, 2013, 17, 1117-1129.	1.9	3
35	Empirical Analysis of Traffic Bottleneck at Beijing Expressways. Mathematical Problems in Engineering, 2013, 2013, 1-7.	1.1	2
36	A Method of Signal Timing Optimization for Spillover Dissipation in Urban Street Networks. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	10

#	Article	IF	Citations
37	Calibration of Platoon Dispersion Parameter Considering the Impact of the Number of Lanes. Journal of Transportation Engineering, 2013, 139, 200-207.	0.9	37
38	Modelling correlation degree between two adjacent signalised intersections for dynamic subarea partition. IET Intelligent Transport Systems, 2013, 7, 28-35.	3.0	26
39	Prediction Model of Bus Arrival Time at Signalized Intersection Using GPS Data. Journal of Transportation Engineering, 2012, 138, 12-20.	0.9	49
40	A Method for Queue Length Estimation in an Urban Street Network Based on Roll Time Occupancy Data. Mathematical Problems in Engineering, 2012, 2012, 1-12.	1.1	3
41	Offset Optimization Based on Queue Length Constraint for Saturated Arterial Intersections. Discrete Dynamics in Nature and Society, 2012, 2012, 1-13.	0.9	6
42	Research on the Multiroute Probit-Based Public Transit Assignment Model Based on Bus Stop. Mathematical Problems in Engineering, 2012, 2012, 1-11.	1.1	2
43	Investigation with Bluetooth Sensors of Bicycle Travel Time Estimation on a Short Corridor. International Journal of Distributed Sensor Networks, 2012, 8, 303521.	2.2	14
44	Assessment of Expressway Traffic Safety Using Gaussian Mixture Model based on Time to Collision. International Journal of Computational Intelligence Systems, 2011, 4, 1122-1130.	2.7	32
45	Influence of Stretching-Segment Storage Length on Urban Traffic Flow in Signalized Intersection. International Journal of Computational Intelligence Systems, 2011, 4, 1401-1406.	2.7	5
46	Study on Pedestrian Signal Cycle Optimization. , 2011, , .		3