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	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
2	Lane-Based Saturation Degree Estimation for Signalized Intersections Using Travel Time Data. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 136-148.	3.8	50
3	Prediction Model of Bus Arrival Time at Signalized Intersection Using GPS Data. Journal of Transportation Engineering, 2012, 138, 12-20.	0.9	49
4	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
5	Calibration of Platoon Dispersion Parameter Considering the Impact of the Number of Lanes. Journal of Transportation Engineering, 2013, 139, 200-207.	0.9	37
6	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
7	Queue Length Estimation for Signalized Intersections Using License Plate Recognition Data. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 209-220.	3.8	33
8	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
9	Signal coordination models for long arterials and grid networks. Transportation Research Part C: Emerging Technologies, 2016, 71, 215-230.	7.6	32
10	Modelling correlation degree between two adjacent signalised intersections for dynamic subarea partition. IET Intelligent Transport Systems, 2013, 7, 28-35.	3.0	26
11	Travel time estimation method for urban road based on traffic stream directions. Transportmetrica A: Transport Science, 2016, 12, 479-503.	2.0	26
12	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
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	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
15	Gating Control for a Single Bottleneck Link Based on Traffic Load Equilibrium. International Journal of Civil Engineering, 2016, 14, 281-293.	2.0	13
16	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
17	A Novel Trip Coverage Index for Transit Accessibility Assessment Using Mobile Phone Data. Journal of Advanced Transportation, 2017, 2017, 1-14.	1.7	13
18	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
19	Optimizing Road Network Density Considering Automobile Traffic Efficiency: Theoretical Approach. Journal of the Urban Planning and Development Division, ASCE, 2022, 148, .	1.7	10
20	Location-Dependent Lane-Changing Behavior for Arterial Road Traffic. Networks and Spatial Economics, 2014, 14, 67-89.	1.6	9
21	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
22	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
23	Simulation analysis of traffic signal control and transit signal priority strategies under Arterial Coordination Conditions. Simulation, 2019, 95, 51-64.	1.8	8
24	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
25	Tracing Road Network Bottleneck by Data Driven Approach. PLoS ONE, 2016, 11, e0156089.	2.5	8
26	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
27	Offset Optimization Based on Queue Length Constraint for Saturated Arterial Intersections. Discrete Dynamics in Nature and Society, 2012, 2012, 1-13.	0.9	6
28	Policy-Combination Oriented Optimization for Public Transportation Based on the Game Theory. Mathematical Problems in Engineering, 2018, 2018, 1-14.	1.1	6
29	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
30	Traffic design and signal timing of staggered intersections based on a sorting strategy. Advances in Mechanical Engineering, 2016, 8, 168781401664129.	1.6	5
31	Nonnegative tensor decomposition for urban mobility analysis and applications with mobile phone data. Transportmetrica A: Transport Science, 2022, 18, 29-53.	2.0	5
32	Spatial-Temporal Congestion Identification Based on Time Series Similarity Considering Missing Data. PLoS ONE, 2016, 11, e0162043.	2.5	4
33	Recurrent and non-recurrent bottleneck analysis based on traffic state rank distribution. Transportmetrica B, 2019, 7, 275-294.	2.3	4
34	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
35	Study on Pedestrian Signal Cycle Optimization. , 2011, , .		3
36	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

#	Article	IF	Citations
37	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
38	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
39	Link dynamic vehicle count estimation based on travel time distribution using license plate recognition data. Transportmetrica A: Transport Science, 2023, 19, .	2.0	3
40	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
41	Empirical Analysis of Traffic Bottleneck at Beijing Expressways. Mathematical Problems in Engineering, 2013, 2013, 1-7.	1.1	2
42	An Optimization Method of Time Window Based on Travel Time and Reliability. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	1
43	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
44	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
45	Estimation of saturation degree for lane groups at signalized intersections using video imaging detection data. , 2014, , .		0
46	Impact of the Link Length on the Delay in Two-Way Signal Coordination. IEEE Access, 2021, 9, 130823-130833.	4.2	0