Jian Wang

List of Publications by Year
in descending order

36 papers	**1,056** citations
516215 **16** h-index	414034 **32** g-index
36 all docs	**36** docs citations
36 times ranked	**978** citing authors

#	Article	IF	Citations
1	Robust control strategy for platoon of connected and autonomous vehicles considering falsified information injected through communication links. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 735-751.	2.6	4
2	A Real-Time Prediction Model for Individual Vehicle Travel Time on an Undersaturated Signalized Arterial Roadway. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 72-87.	2.6	3
3	A Revised Logit Model for Stochastic Traffic Assignment With a Relatively Stable Dispersion Parameter. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 92-104.	2.6	3
4	Cooperative signal-free intersection control using virtual platooning and traffic flow regulation. Transportation Research Part C: Emerging Technologies, 2022, 138, 103610.	3.9	28
5	Worst-case traffic assignment model for mixed traffic flow of human-driven vehicles and connected and autonomous vehicles by factoring in the uncertain link capacity. Transportation Research Part C: Emerging Technologies, 2022, 140, 103703.	3.9	12
6	Day-to-Day Signal Retiming Scheme for Single-Destination Traffic Networks Based on a Flow Splitting Approach. Networks and Spatial Economics, 2022, 22, 855-882.	0.7	1
7	Real-time deployable and robust cooperative control strategy for a platoon of connected and autonomous vehicles by factoring uncertain vehicle dynamics. Transportation Research Part B: Methodological, 2022, 163, 88-118.	2.8	11
8	Globally convergent line search algorithm with Euler-based step size-determination method for continuous network design problem. Transportation Research Part B: Methodological, 2022, 163, 119-144.	2.8	1
9	Estimation of lane-level travel time distributions under a connected environment. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 501-512.	2.6	7
10	Optimal toll design problems under mixed traffic flow of human-driven vehicles and connected and autonomous vehicles. Transportation Research Part C: Emerging Technologies, 2021, 125, 102952.	3.9	39
11	Incentive-based decentralized routing for connected and autonomous vehicles using information propagation. Transportation Research Part B: Methodological, 2021, 149, 138-161.	2.8	5
12	Personal and societal impacts of motorcycle ban policy on motorcyclists' home-to-work morning commute in China. Travel Behaviour & Society, 2020, 19, 137-150.	2.4	41
13	Multiclass information flow propagation control under vehicle-to-vehicle communication environments. Transportation Research Part B: Methodological, 2019, 129, 96-121.	2.8	24
14	A real-time deployable model predictive control-based cooperative platooning approach for connected and autonomous vehicles. Transportation Research Part B: Methodological, 2019, 128, 271-301.	2.8	57
15	Multiclass traffic assignment model for mixed traffic flow of human-driven vehicles and connected and autonomous vehicles. Transportation Research Part B: Methodological, 2019, 126, 139-168.	2.8	114
16	Optimizing capacity of signalized road network with reversible lanes. Transport, 2018, 33, 1-11.	0.6	18
17	Combined multinomial logit modal split and paired combinatorial logit traffic assignment model. Transportmetrica A: Transport Science, 2018, 14, 737-760.	1.3	8
18	Weather and cycling: Mining big data to have an in-depth understanding of the association of weather variability with cycling on an off-road trail and an on-road bike lane. Transportation Research, Part A: Policy and Practice, 2018, 111, 119-135.	2.0	29

#	ARTICLE	IF	CITATIONS
19	Real‐time estimation of freeway travel time with recurrent congestion based on sparse detector data. IET Intelligent Transport Systems, 2018, 12, 2-11.	1.7	23
20	Analytical model for information flow propagation wave under an information relay control strategy in a congested vehicle-to-vehicle communication environment. Transportation Research Part C: Emerging Technologies, 2018, 94, 1-18.	3.9	21
21	Maximizing Network Throughput under Stochastic User Equilibrium with Elastic Demand. Networks and Spatial Economics, 2018, 18, 115-143.	0.7	18
22	YouTube AV 50K: An Annotated Corpus for Comments in Autonomous Vehicles. , 2018, , .		14
23	Efficient Collection of Connected Vehicle Data based on Compressive Sensing*. , 2018, , .		9
24	Examining the Association of Economic Development with Intercity Multimodal Transport Demand in China: A Focus on Spatial Autoregressive Analysis. ISPRS International Journal of Geo-Information, 2018, 7, 56.	1.4	8
25	Impacts of internal migration, household registration system, and family planning policy on travel mode choice in China. Travel Behaviour & Society, 2018, 13, 128-143.	2.4	47
26	Analytical model for information flow propagation wave under an information relay control strategy in a congested vehicle-to-vehicle communication environment. Transportation Research Procedia, 2017, 23, 738-757.	0.8	5
27	A study of pedestrian group behaviors in crowd evacuation based on an extended floor field cellular automaton model. Transportation Research Part C: Emerging Technologies, 2017, 81, 317-329.	3.9	150
28	Evaluating Operational Effects of Bus Lane with Intermittent Priority under Connected Vehicle Environments. Discrete Dynamics in Nature and Society, 2017, 2017, 1-13.	0.5	14
29	Network capacity with probit-based stochastic user equilibrium problem. PLoS ONE, 2017, 12, e0171158.	1.1	2
30	A cellular automaton simulation model for pedestrian and vehicle interaction behaviors at unsignalized mid-block crosswalks. Accident Analysis and Prevention, 2016, 95, 425-437.	3.0	49
31	Sensitivity analysis based approximation models for day-to-day link flow evolution process. Transportation Research Part B: Methodological, 2016, 92, 35-53.	2.8	13
32	Blink Number Forecasting Based on Improved Bayesian Fusion Algorithm for Fatigue Driving Detection. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	10
33	ROAD NETWORK RESERVE CAPACITY WITH STOCHASTIC USER EQUILIBRIUM. Transport, 2015, 30, 103-116.	0.6	14
34	Exploring bikesharing travel time and trip chain by gender and day of the week. Transportation Research Part C: Emerging Technologies, 2015, 58, 251-264.	3.9	115
35	New Bayesian combination method for short-term traffic flow forecasting. Transportation Research Part C: Emerging Technologies, 2014, 43, 79-94.	3.9	139
36	A modified stretching factor for perfect matched layers in 2D FDTD simulations. , 2010, , .		0