

# Jian Wang

## List of Publications by Year in descending order

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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	A study of pedestrian group behaviors in crowd evacuation based on an extended floor field cellular automaton model. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 81, 317-329.	3.9	150
2	New Bayesian combination method for short-term traffic flow forecasting. <i>Transportation Research Part C: Emerging Technologies</i> , 2014, 43, 79-94.	3.9	139
3	Exploring bikesharing travel time and trip chain by gender and day of the week. <i>Transportation Research Part C: Emerging Technologies</i> , 2015, 58, 251-264.	3.9	115
4	Multiclass traffic assignment model for mixed traffic flow of human-driven vehicles and connected and autonomous vehicles. <i>Transportation Research Part B: Methodological</i> , 2019, 126, 139-168.	2.8	114
5	A real-time deployable model predictive control-based cooperative platooning approach for connected and autonomous vehicles. <i>Transportation Research Part B: Methodological</i> , 2019, 128, 271-301.	2.8	57
6	A cellular automaton simulation model for pedestrian and vehicle interaction behaviors at unsignalized mid-block crosswalks. <i>Accident Analysis and Prevention</i> , 2016, 95, 425-437.	3.0	49
7	Impacts of internal migration, household registration system, and family planning policy on travel mode choice in China. <i>Travel Behaviour &amp; Society</i> , 2018, 13, 128-143.	2.4	47
8	Personal and societal impacts of motorcycle ban policy on motorcyclists' home-to-work morning commute in China. <i>Travel Behaviour &amp; Society</i> , 2020, 19, 137-150.	2.4	41
9	Optimal toll design problems under mixed traffic flow of human-driven vehicles and connected and autonomous vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 125, 102952.	3.9	39
10	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. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 111, 119-135.	2.0	29
11	Cooperative signal-free intersection control using virtual platooning and traffic flow regulation. <i>Transportation Research Part C: Emerging Technologies</i> , 2022, 138, 103610.	3.9	28
12	Multiclass information flow propagation control under vehicle-to-vehicle communication environments. <i>Transportation Research Part B: Methodological</i> , 2019, 129, 96-121.	2.8	24
13	Real-time estimation of freeway travel time with recurrent congestion based on sparse detector data. <i>IET Intelligent Transport Systems</i> , 2018, 12, 2-11.	1.7	23
14	Analytical model for information flow propagation wave under an information relay control strategy in a congested vehicle-to-vehicle communication environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 94, 1-18.	3.9	21
15	Optimizing capacity of signalized road network with reversible lanes. <i>Transport</i> , 2018, 33, 1-11.	0.6	18
16	Maximizing Network Throughput under Stochastic User Equilibrium with Elastic Demand. <i>Networks and Spatial Economics</i> , 2018, 18, 115-143.	0.7	18
17	ROAD NETWORK RESERVE CAPACITY WITH STOCHASTIC USER EQUILIBRIUM. <i>Transport</i> , 2015, 30, 103-116.	0.6	14
18	Evaluating Operational Effects of Bus Lane with Intermittent Priority under Connected Vehicle Environments. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-13.	0.5	14

#	ARTICLE	IF	CITATIONS
19	YouTube AV 50K: An Annotated Corpus for Comments in Autonomous Vehicles. , 2018, , .		14
20	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
21	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
22	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
23	Blink Number Forecasting Based on Improved Bayesian Fusion Algorithm for Fatigue Driving Detection. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	10
24	Efficient Collection of Connected Vehicle Data based on Compressive Sensing*. , 2018, , .		9
25	Combined multinomial logit modal split and paired combinatorial logit traffic assignment model. Transportmetrica A: Transport Science, 2018, 14, 737-760.	1.3	8
26	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
27	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
28	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
29	Incentive-based decentralized routing for connected and autonomous vehicles using information propagation. Transportation Research Part B: Methodological, 2021, 149, 138-161.	2.8	5
30	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
31	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
32	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
33	Network capacity with probit-based stochastic user equilibrium problem. PLoS ONE, 2017, 12, e0171158.	1.1	2
34	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
35	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
36	A modified stretching factor for perfect matched layers in 2D FDTD simulations. , 2010, , .		0