

Guangchuan Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41 papers	210 citations	8 h-index	11 g-index
45 ext. papers	286 ext. citations	2.3 avg, IF	3.82 L-index

#	Paper	IF	Citations
41	Effects of traffic signal coordination on the safety performance of urban arterials. <i>Computational Urban Science</i> , 2022 , 2, 1		0
40	Traffic operations 2022 , 241-451		
39	Profit-Sharing Contracts for Fresh Agricultural Products Supply Chain Considering Spatio-Temporal Costs. <i>Sustainability</i> , 2022 , 14, 2315	3.6	0
38	Reliability of variable message signs information: A field experiment study in Chongqing. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021 , 83, 382-400	4.5	2
37	Normal and risky driving patterns identification in clear and rainy weather on freeway segments using vehicle kinematics trajectories and time series cluster analysis. <i>IATSS Research</i> , 2021 , 45, 137-152	4.2	3
36	Traffic Signal Retiming to Improve Corridor Performance. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021 , 147, 05020009	1.5	2
35	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 13, 201-216	2.6	
34	Crash Risk Assessment for Heterogeneity Traffic and Different Vehicle-Following Patterns Using Microscopic Traffic Flow Data. <i>Sustainability</i> , 2020 , 12, 9888	3.6	2
33	Connected vehicle real-time traveler information messages for freeway speed harmonization under adverse weather conditions: Trajectory level analysis using driving simulator. <i>Accident Analysis and Prevention</i> , 2020 , 146, 105707	6.1	11
32	Geometric design of metered on-ramps: state-of-the-practice and remaining challenges. <i>Transportation Letters</i> , 2020 , 12, 649-658	2.1	3
31	Integrated Empirical Analysis of the Effect of Variable Message Sign on Driver Route Choice Behavior. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020 , 146, 04019063	1.5	2
30	Distraction of Connected Vehicle HumanMachine Interface for Truck Drivers. <i>Transportation Research Record</i> , 2020 , 2674, 438-449	1.7	5
29	Uncovering impact factors of carbon emissions from transportation sector: evidence from China's Yangtze River Delta Area. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2020 , 25, 1423-1437	3.9	2
28	Connected Vehicle Training Framework and Lessons Learned to Improve Safety of Highway Patrol Troopers. <i>Transportation Research Record</i> , 2020 , 2674, 447-463	1.7	1
27	Capacity Modeling of Permitted Left-Turn Signalized Intersections with Probabilistic Priority. <i>Transportation Research Record</i> , 2020 , 2674, 310-323	1.7	4
26	Assessment of Drivers' Perceptions of Connected Vehicle-Human Machine Interface for Driving Under Adverse Weather Conditions: Preliminary Findings From Wyoming. <i>Frontiers in Psychology</i> , 2020 , 11, 1889	3.4	6
25	An Integrated Microsimulation Approach for Safety Performance Assessment of the Wyoming Connected Vehicle Pilot Deployment Program. <i>Accident Analysis and Prevention</i> , 2020 , 146, 105714	6.1	9

24	Feasibility of using a single traffic signal controller to accommodate adjacent intersections. <i>International Journal of Transportation Science and Technology</i> , 2020 , 9, 52-63	3.3	2
23	A Preliminary Investigation into the Impact of Connected Vehicle Human-Machine Interface on Driving Behavior. <i>IFAC-PapersOnLine</i> , 2019 , 51, 227-229	0.7	8
22	Impact of Variable Speed Limit in a Connected Vehicle Environment on Truck Driver Behavior under Adverse Weather Conditions: Driving Simulator Study. <i>Transportation Research Record</i> , 2019 , 2673, 132-142	1.7	17
21	Discussion of Queue Storage Design for Metered On-Ramps by Zhongren Wang. <i>International Journal of Transportation Science and Technology</i> , 2019 , 8, 332-336	3.3	
20	An exploratory investigation of the impact of ramp metering on driver acceleration behavior. <i>IATSS Research</i> , 2019 , 43, 277-285	4.2	3
19	Determination of Bus Crowding Coefficient Based on Passenger Flow Forecasting. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-12	1.9	3
18	Queue length estimation for a metered on-ramp using mesoscopic simulation. <i>Transportation Letters</i> , 2019 , 11, 570-579	2.1	7
17	Microsimulation Analysis of Traffic Operations at Two Diamond Interchange Types. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-11	1.9	3
16	Development and Assessment of a Connected Vehicle Training Program for Truck Drivers. <i>Transportation Research Record</i> , 2019 , 2673, 113-126	1.7	11
15	Performance evaluation framework of Wyoming connected vehicle pilot deployment program: summary of Phase 2 pre-deployment efforts and lessons learned. <i>Journal of Intelligent and Connected Vehicles</i> , 2019 , 2, 41-54	1.2	5
14	Capacity of Urban Arterial Weaving Sections under Lane Signal Control Strategy. <i>Transportation Research Record</i> , 2019 , 2673, 69-77	1.7	1
13	Impact of On-Ramp Traffic Flow Arrival Profile on Queue Length at Metered On-Ramps. <i>Journal of Transportation Engineering Part A: Systems</i> , 2019 , 145, 04018087	1.5	6
12	Feasibility of Using a Constant Acceleration Rate for Freeway Entrance Ramp Acceleration Lane Length Design. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018 , 144, 06017001	1.5	8
11	Impacts of traffic flow arrival pattern on the necessary queue storage space at metered on-ramps. <i>Transportmetrica A: Transport Science</i> , 2018 , 14, 543-561	2.5	12
10	Comparison of performance between Virtual Controller Interface Device and Controller Interface Device. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 22-30	2.4	1
9	Modeling the Impacts of Traffic Flow Arrival Profiles on Ramp Metering Queues. <i>Transportation Research Record</i> , 2018 , 2672, 85-92	1.7	5
8	Evaluation of virtual controller interface device and software-in-the-loop simulation. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2018 , 1-11	0.5	0
7	Queue length estimation at metered freeway-to-freeway connectors. <i>Journal of Advanced Transportation</i> , 2016 , 50, 1912-1924	1.9	6

6	Recommendations for Acceleration Lane Length for Metered On-Ramps. <i>Transportation Research Record</i> , 2016 , 2588, 1-11	1.7	10
5	Vehicle Speed and Acceleration Profile Study for Metered On-Ramps in California. <i>Journal of Transportation Engineering</i> , 2016 , 142, 04015046		17
4	Truck acceleration behavior study and acceleration lane length recommendations for metered on-ramps. <i>International Journal of Transportation Science and Technology</i> , 2016 , 5, 93-102	3.3	25
3	Acceleration Characteristics at Metered On-Ramps. <i>Transportation Research Record</i> , 2015 , 2484, 1-9	1.7	7
2	Evaluating connected vehicle-based weather responsive management strategies using weather-sensitive microscopic simulation. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 1-19	3.2	
1	Effects of Pedestrian Crossing on Minor Road Capacity at Two-Way Stop-Controlled Intersections. <i>Transportation Research Record</i> , 036119812110028	1.7	1