Guangchuan Yang

List of Publications by Year
in descending order

45 papers	366 citations	840119 11 h-index	940134 16 g-index
45 all docs	45 docs citations	45 times ranked	189 citing authors

#	Article	IF	Citations
1	Truck acceleration behavior study and acceleration lane length recommendations for metered on-ramps. International Journal of Transportation Science and Technology, 2016, 5, 93-102.	2.0	37
2	Impact of Variable Speed Limit in a Connected Vehicle Environment on Truck Driver Behavior under Adverse Weather Conditions: Driving Simulator Study. Transportation Research Record, 2019, 2673, 132-142.	1.0	30
3	Vehicle Speed and Acceleration Profile Study for Metered On-Ramps in California. Journal of Transportation Engineering, 2016, 142, .	0.9	18
4	An Integrated Microsimulation Approach for Safety Performance Assessment of the Wyoming Connected Vehicle Pilot Deployment Program. Accident Analysis and Prevention, 2020, 146, 105714.	3.0	18
5	Connected vehicle real-time traveler information messages for freeway speed harmonization under adverse weather conditions: Trajectory level analysis using driving simulator. Accident Analysis and Prevention, 2020, 146, 105707.	3.0	17
6	Impacts of traffic flow arrival pattern on the necessary queue storage space at metered on-ramps. Transportmetrica A: Transport Science, 2018, 14, 543-561.	1.3	16
7	Uncovering impact factors of carbon emissions from transportation sector: evidence from China's Yangtze River Delta Area. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 1423-1437.	1.0	16
8	Development and Assessment of a Connected Vehicle Training Program for Truck Drivers. Transportation Research Record, 2019, 2673, 113-126.	1.0	15
9	A Preliminary Investigation into the Impact of Connected Vehicle Human-Machine Interface on Driving Behavior. IFAC-PapersOnLine, 2019, 51, 227-229.	0.5	14
10	Recommendations for Acceleration Lane Length for Metered On-Ramps. Transportation Research Record, 2016, 2588, 1-11.	1.0	13
11	Assessment of Drivers' Perceptions of Connected Vehicle–Human Machine Interface for Driving Under Adverse Weather Conditions: Preliminary Findings From Wyoming. Frontiers in Psychology, 2020, 11, 1889.	1.1	12
12	Acceleration Characteristics at Metered On-Ramps. Transportation Research Record, 2015, 2484, 1-9.	1.0	11
13	Traffic Signal Retiming to Improve Corridor Performance. Journal of Transportation Engineering Part A: Systems, 2021, 147, 05020009.	0.8	11
14	Feasibility of Using a Constant Acceleration Rate for Freeway Entrance Ramp Acceleration Lane Length Design. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	0.8	10
15	Queue length estimation for a metered on-ramp using mesoscopic simulation. Transportation Letters, 2019, 11, 570-579.	1.8	8
16	Distraction of Connected Vehicle Human–Machine Interface for Truck Drivers. Transportation Research Record, 2020, 2674, 438-449.	1.0	8
17	Queue length estimation at metered freeway-to-freeway connectors. Journal of Advanced Transportation, 2016, 50, 1912-1924.	0.9	7
18	Performance evaluation framework of Wyoming connected vehicle pilot deployment program: summary of Phase 2 pre-deployment efforts and lessons learned. Journal of Intelligent and Connected Vehicles, 2019, 2, 41-54.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Impact of On-Ramp Traffic Flow Arrival Profile on Queue Length at Metered On-Ramps. Journal of Transportation Engineering Part A: Systems, 2019, 145, 04018087.	0.8	7
20	Normal and risky driving patterns identification in clear and rainy weather on freeway segments using vehicle kinematics trajectories and time series cluster analysis. IATSS Research, 2021, 45, 137-152.	1.8	7
21	Microsimulation Analysis of Traffic Operations at Two Diamond Interchange Types. Journal of Advanced Transportation, 2019, 2019, 1-11.	0.9	7
22	Profit-Sharing Contracts for Fresh Agricultural Products Supply Chain Considering Spatio-Temporal Costs. Sustainability, 2022, 14, 2315.	1.6	7
23	Modeling the Impacts of Traffic Flow Arrival Profiles on Ramp Metering Queues. Transportation Research Record, 2018, 2672, 85-92.	1.0	6
24	An exploratory investigation of the impact of ramp metering on driver acceleration behavior. IATSS Research, 2019, 43, 277-285.	1.8	6
25	Determination of Bus Crowding Coefficient Based on Passenger Flow Forecasting. Journal of Advanced Transportation, 2019, 2019, 1-12.	0.9	6
26	Geometric design of metered on-ramps: state-of-the-practice and remaining challenges. Transportation Letters, 2020, 12, 649-658.	1.8	6
27	Integrated Empirical Analysis of the Effect of Variable Message Sign on Driver Route Choice Behavior. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	0.8	5
28	Crash Risk Assessment for Heterogeneity Traffic and Different Vehicle-Following Patterns Using Microscopic Traffic Flow Data. Sustainability, 2020, 12, 9888.	1.6	5
29	Reliability of variable message signs information: A field experiment study in Chongqing. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 83, 382-400.	1.8	5
30	Capacity of Urban Arterial Weaving Sections under Lane Signal Control Strategy. Transportation Research Record, 2019, 2673, 69-77.	1.0	4
31	Connected Vehicle Training Framework and Lessons Learned to Improve Safety of Highway Patrol Troopers. Transportation Research Record, 2020, 2674, 447-463.	1.0	4
32	Capacity Modeling of Permitted Left-Turn Signalized Intersections with Probabilistic Priority. Transportation Research Record, 2020, 2674, 310-323.	1.0	4
33	Comparison of performance between Virtual Controller Interface Device and Controller Interface Device. IET Intelligent Transport Systems, 2018, 12, 22-30.	1.7	3
34	Evaluation of virtual controller interface device and software-in-the-loop simulation. Proceedings of the Institution of Civil Engineers: Transport, 2021, 174, 367-377.	0.3	2
35	Feasibility of using a single traffic signal controller to accommodate adjacent intersections. International Journal of Transportation Science and Technology, 2020, 9, 52-63.	2.0	2
36	Effects of Pedestrian Crossing on Minor Road Capacity at Two-Way Stop-Controlled Intersections. Transportation Research Record, 2021, 2675, 472-482.	1.0	2

#	Article	IF	Citations
37	Evaluating connected vehicle-based weather responsive management strategies using weather-sensitive microscopic simulation. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 0, , 1-19.	2.6	2
38	Effects of traffic signal coordination on the safety performance of urban arterials. Computational Urban Science, 2022, 2, 1.	1.9	2
39	Waiting Time Estimation at Ferry Terminals Based on License Plate Recognition. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	2
40	Design of Signal Timing Optimization Based on the Unsymmetrical Traffic Flow of Signalized Intersections. , 2010, , .		1
41	Virtual Controller Interface Device for Hardware-in-the-Loop Simulation of Traffic Signals. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 201-216.	2.6	1
42	Modelling the Modal Shift Effects of Converting a General Traffic Lane into a Dedicated Bus Lane. Promet - Traffic - Traffico, 2020, 32, 625-637.	0.3	1
43	Capitalizing on Drone Videos to Calibrate Simulation Models for Signalized Intersections and Roundabouts. Transportation Research Record, 0, , 036119812210961.	1.0	1
44	Discussion of â€œQueue Storage Design for Metered On-Rampsâ€•by Zhongren Wang. International Journal of Transportation Science and Technology, 2019, 8, 332-336.	2.0	0
45	Traffic operations. , 2022, , 241-451.		0