

Zong Tian

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

49 papers	554 citations	12 h-index	22 g-index
52 ext. papers	691 ext. citations	2.1 avg, IF	4.11 L-index

#	Paper	IF	Citations
49	Effects of traffic signal coordination on the safety performance of urban arterials. <i>Computational Urban Science</i> , 2022 , 2, 1		0
48	Traffic Signal Retiming to Improve Corridor Performance. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021 , 147, 05020009	1.5	2
47	An automatic skateboarder detection method with roadside LiDAR data. <i>Journal of Transportation Safety and Security</i> , 2021 , 13, 298-317	1.7	2
46	. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2021 , 13, 201-216	2.6	
45	Geometric design of metered on-ramps: state-of-the-practice and remaining challenges. <i>Transportation Letters</i> , 2020 , 12, 649-658	2.1	3
44	Capacity Modeling of Permitted Left-Turn Signalized Intersections with Probabilistic Priority. <i>Transportation Research Record</i> , 2020 , 2674, 310-323	1.7	4
43	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
42	A signal timing assignment proposal for urban multi lane signalised roundabouts. <i>Gradevinar</i> , 2019 , 71, 113-124	1.3	2
41	An exploratory investigation of the impact of ramp metering on driver acceleration behavior. <i>IATSS Research</i> , 2019 , 43, 277-285	4.2	3
40	Queue length estimation for a metered on-ramp using mesoscopic simulation. <i>Transportation Letters</i> , 2019 , 11, 570-579	2.1	7
39	Automatic Vehicle Classification using Roadside LiDAR Data. <i>Transportation Research Record</i> , 2019 , 2673, 153-164	1.7	31
38	The comparison of optimum frequency and demand based frequency for designing transit networks. <i>Case Studies on Transport Policy</i> , 2019 , 7, 698-707	2.7	0
37	Microsimulation Analysis of Traffic Operations at Two Diamond Interchange Types. <i>Journal of Advanced Transportation</i> , 2019 , 2019, 1-11	1.9	3
36	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
35	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
34	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
33	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

32	Modeling the Impacts of Traffic Flow Arrival Profiles on Ramp Metering Queues. <i>Transportation Research Record</i> , 2018 , 2672, 85-92	1.7	5
31	Model of Transition Delay for Unaccommodated Pedestrian Timing. <i>Journal of Transportation Engineering Part A: Systems</i> , 2018 , 144, 04017078	1.5	1
30	A novel method of vehicle-pedestrian near-crash identification with roadside LiDAR data. <i>Accident Analysis and Prevention</i> , 2018 , 121, 238-249	6.1	52
29	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
28	Multicriteria-Based Guideline for Pedestrian Timing Accommodation in Signal Coordination. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017 , 143, 04016012	1.5	2
27	Increasing the accuracy of loop detector counts using adaptive neural fuzzy inference system and genetic programming. <i>Transportation Planning and Technology</i> , 2017 , 40, 505-522	1.6	2
26	Queue length estimation at metered freeway-to-freeway connectors. <i>Journal of Advanced Transportation</i> , 2016 , 50, 1912-1924	1.9	6
25	Using stop bar detector information to determine turning movement proportions in shared lanes. <i>Journal of Advanced Transportation</i> , 2016 , 50, 802-817	1.9	7
24	An offset optimization approach for coordinated signal systems with preferred measure considerations. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401663782	1.2	1
23	Recommendations for Acceleration Lane Length for Metered On-Ramps. <i>Transportation Research Record</i> , 2016 , 2588, 1-11	1.7	10
22	Investigating driver injury severity patterns in rollover crashes using support vector machine models. <i>Accident Analysis and Prevention</i> , 2016 , 90, 128-39	6.1	109
21	Vehicle Speed and Acceleration Profile Study for Metered On-Ramps in California. <i>Journal of Transportation Engineering</i> , 2016 , 142, 04015046		17
20	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
19	Innovative detector layout for automated traffic turning volume counting. <i>Journal of Advanced Transportation</i> , 2016 , 50, 1958-1971	1.9	3
18	Vehicle delay estimation at unsignalised pedestrian crosswalks with probabilistic yielding behaviour. <i>Transportmetrica A: Transport Science</i> , 2015 , 11, 103-118	2.5	14
17	Hierarchical Bayesian random intercept model-based cross-level interaction decomposition for truck driver injury severity investigations. <i>Accident Analysis and Prevention</i> , 2015 , 85, 186-98	6.1	50
16	Acceleration Characteristics at Metered On-Ramps. <i>Transportation Research Record</i> , 2015 , 2484, 1-9	1.7	7
15	Classification of taxi khattee (jitney) lines based on topography and line cost indices. <i>Transportation Research, Part A: Policy and Practice</i> , 2014 , 59, 239-249	3.7	5

14	Calculation of Additional Lost Green Time at Closely Spaced Intersections. <i>International Journal of Transportation Science and Technology</i> , 2013 , 2, 109-122	3.3	
13	Bandwidth Optimization of Coordinated Arterials Based on Group Partition Method. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 43, 232-244		5
12	Phasing Sequence and Signal Spacing Based Progression Bandwidth Optimization Technique. <i>Applied Mechanics and Materials</i> , 2012 , 178-181, 2604-2609	0.3	0
11	Capacity of Multilane All-Way Stop-Controlled Intersections Based on the Conflict Technique. <i>Transportation Research Record</i> , 2011 , 2257, 111-120	1.7	5
10	Control Delay Calculation at Diverging Diamond Interchanges. <i>Transportation Research Record</i> , 2011 , 2257, 121-130	1.7	6
9	Arterial Performance Evaluation on an Adaptive Traffic Signal Control System. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 16, 230-239		11
8	Control Delay at Signalized Diamond Interchanges considering Internal Queue Spillback. <i>Transportation Research Record</i> , 2010 , 2173, 123-132	1.7	18
7	Capacities of Unsignalized Intersections under Mixed Vehicular and Nonmotorized Traffic Conditions. <i>Transportation Research Record</i> , 2009 , 2130, 129-137	1.7	8
6	Effectiveness of Lead-Lag Phasing on Progression Bandwidth. <i>Transportation Research Record</i> , 2008 , 2080, 22-27	1.7	17
5	System Partition Technique to Improve Signal Coordination and Traffic Progression. <i>Journal of Transportation Engineering</i> , 2007 , 133, 119-128		52
4	Application of Diamond Interchange Control Strategies at Closely Spaced Intersections. <i>Transportation Research Record</i> , 2007 , 2035, 32-39	1.7	7
3	Integration of Diamond Interchange and Ramp Metering Operations. <i>Transportation Research Record</i> , 2005 , 1925, 100-111	1.7	8
2	Modeling Impact of Ramp Metering Queues on Diamond Interchange Operations. <i>Transportation Research Record</i> , 2004 , 1867, 172-182	1.7	13
1	Effects of Pedestrian Crossing on Minor Road Capacity at Two-Way Stop-Controlled Intersections. <i>Transportation Research Record</i> , 036119812110028	1.7	1