

# Zong Tian

## List of Publications by Citations

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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	Investigating driver injury severity patterns in rollover crashes using support vector machine models. <i>Accident Analysis and Prevention</i> , <b>2016</b> , 90, 128-39	6.1	109
48	System Partition Technique to Improve Signal Coordination and Traffic Progression. <i>Journal of Transportation Engineering</i> , <b>2007</b> , 133, 119-128		52
47	A novel method of vehicle-pedestrian near-crash identification with roadside LiDAR data. <i>Accident Analysis and Prevention</i> , <b>2018</b> , 121, 238-249	6.1	52
46	Hierarchical Bayesian random intercept model-based cross-level interaction decomposition for truck driver injury severity investigations. <i>Accident Analysis and Prevention</i> , <b>2015</b> , 85, 186-98	6.1	50
45	Automatic Vehicle Classification using Roadside LiDAR Data. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 153-164	1.7	31
44	Truck acceleration behavior study and acceleration lane length recommendations for metered on-ramps. <i>International Journal of Transportation Science and Technology</i> , <b>2016</b> , 5, 93-102	3.3	25
43	Control Delay at Signalized Diamond Interchanges considering Internal Queue Spillback. <i>Transportation Research Record</i> , <b>2010</b> , 2173, 123-132	1.7	18
42	Vehicle Speed and Acceleration Profile Study for Metered On-Ramps in California. <i>Journal of Transportation Engineering</i> , <b>2016</b> , 142, 04015046		17
41	Effectiveness of LeadLag Phasing on Progression Bandwidth. <i>Transportation Research Record</i> , <b>2008</b> , 2080, 22-27	1.7	17
40	Vehicle delay estimation at unsignalised pedestrian crosswalks with probabilistic yielding behaviour. <i>Transportmetrica A: Transport Science</i> , <b>2015</b> , 11, 103-118	2.5	14
39	Modeling Impact of Ramp Metering Queues on Diamond Interchange Operations. <i>Transportation Research Record</i> , <b>2004</b> , 1867, 172-182	1.7	13
38	Impacts of traffic flow arrival pattern on the necessary queue storage space at metered on-ramps. <i>Transportmetrica A: Transport Science</i> , <b>2018</b> , 14, 543-561	2.5	12
37	Arterial Performance Evaluation on an Adaptive Traffic Signal Control System. <i>Procedia, Social and Behavioral Sciences</i> , <b>2011</b> , 16, 230-239		11
36	Recommendations for Acceleration Lane Length for Metered On-Ramps. <i>Transportation Research Record</i> , <b>2016</b> , 2588, 1-11	1.7	10
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> , <b>2018</b> , 144, 06017001	1.5	8
34	Capacities of Unsignalized Intersections under Mixed Vehicular and Nonmotorized Traffic Conditions. <i>Transportation Research Record</i> , <b>2009</b> , 2130, 129-137	1.7	8
33	Integration of Diamond Interchange and Ramp Metering Operations. <i>Transportation Research Record</i> , <b>2005</b> , 1925, 100-111	1.7	8

32	Using stop bar detector information to determine turning movement proportions in shared lanes. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 802-817	1.9	7
31	Queue length estimation for a metered on-ramp using mesoscopic simulation. <i>Transportation Letters</i> , <b>2019</b> , 11, 570-579	2.1	7
30	Acceleration Characteristics at Metered On-Ramps. <i>Transportation Research Record</i> , <b>2015</b> , 2484, 1-9	1.7	7
29	Application of Diamond Interchange Control Strategies at Closely Spaced Intersections. <i>Transportation Research Record</i> , <b>2007</b> , 2035, 32-39	1.7	7
28	Queue length estimation at metered freeway-to-freeway connectors. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 1912-1924	1.9	6
27	Control Delay Calculation at Diverging Diamond Interchanges. <i>Transportation Research Record</i> , <b>2011</b> , 2257, 121-130	1.7	6
26	Impact of On-Ramp Traffic Flow Arrival Profile on Queue Length at Metered On-Ramps. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2019</b> , 145, 04018087	1.5	6
25	Modeling the Impacts of Traffic Flow Arrival Profiles on Ramp Metering Queues. <i>Transportation Research Record</i> , <b>2018</b> , 2672, 85-92	1.7	5
24	Bandwidth Optimization of Coordinated Arterials Based on Group Partition Method. <i>Procedia, Social and Behavioral Sciences</i> , <b>2012</b> , 43, 232-244		5
23	Classification of taxi khattee (jitney) lines based on topography and line cost indices. <i>Transportation Research, Part A: Policy and Practice</i> , <b>2014</b> , 59, 239-249	3.7	5
22	Capacity of Multilane All-Way Stop-Controlled Intersections Based on the Conflict Technique. <i>Transportation Research Record</i> , <b>2011</b> , 2257, 111-120	1.7	5
21	Capacity Modeling of Permitted Left-Turn Signalized Intersections with Probabilistic Priority. <i>Transportation Research Record</i> , <b>2020</b> , 2674, 310-323	1.7	4
20	An exploratory investigation of the impact of ramp metering on driver acceleration behavior. <i>IATSS Research</i> , <b>2019</b> , 43, 277-285	4.2	3
19	Microsimulation Analysis of Traffic Operations at Two Diamond Interchange Types. <i>Journal of Advanced Transportation</i> , <b>2019</b> , 2019, 1-11	1.9	3
18	Geometric design of metered on-ramps: state-of-the-practice and remaining challenges. <i>Transportation Letters</i> , <b>2020</b> , 12, 649-658	2.1	3
17	Innovative detector layout for automated traffic turning volume counting. <i>Journal of Advanced Transportation</i> , <b>2016</b> , 50, 1958-1971	1.9	3
16	Multicriteria-Based Guideline for Pedestrian Timing Accommodation in Signal Coordination. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2017</b> , 143, 04016012	1.5	2
15	Increasing the accuracy of loop detector counts using adaptive neural fuzzy inference system and genetic programming. <i>Transportation Planning and Technology</i> , <b>2017</b> , 40, 505-522	1.6	2

14	A signal timing assignment proposal for urban multi lane signalised roundabouts. <i>Gradevinar</i> , <b>2019</b> , 71, 113-124	1.3	2
13	Feasibility of using a single traffic signal controller to accommodate adjacent intersections. <i>International Journal of Transportation Science and Technology</i> , <b>2020</b> , 9, 52-63	3.3	2
12	Traffic Signal Retiming to Improve Corridor Performance. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2021</b> , 147, 05020009	1.5	2
11	An automatic skateboarder detection method with roadside LiDAR data. <i>Journal of Transportation Safety and Security</i> , <b>2021</b> , 13, 298-317	1.7	2
10	An offset optimization approach for coordinated signal systems with preferred measure considerations. <i>Advances in Mechanical Engineering</i> , <b>2016</b> , 8, 168781401663782	1.2	1
9	Comparison of performance between Virtual Controller Interface Device and Controller Interface Device. <i>IET Intelligent Transport Systems</i> , <b>2018</b> , 12, 22-30	2.4	1
8	Effects of Pedestrian Crossing on Minor Road Capacity at Two-Way Stop-Controlled Intersections. <i>Transportation Research Record</i> , 036119812110028	1.7	1
7	Model of Transition Delay for Unaccommodated Pedestrian Timing. <i>Journal of Transportation Engineering Part A: Systems</i> , <b>2018</b> , 144, 04017078	1.5	1
6	The comparison of optimum frequency and demand based frequency for designing transit networks. <i>Case Studies on Transport Policy</i> , <b>2019</b> , 7, 698-707	2.7	0
5	Phasing Sequence and Signal Spacing Based Progression Bandwidth Optimization Technique. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 178-181, 2604-2609	0.3	0
4	Effects of traffic signal coordination on the safety performance of urban arterials. <i>Computational Urban Science</i> , <b>2022</b> , 2, 1		0
3	Evaluation of virtual controller interface device and software-in-the-loop simulation. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , <b>2018</b> , 1-11	0.5	0
2	Calculation of Additional Lost Green Time at Closely Spaced Intersections. <i>International Journal of Transportation Science and Technology</i> , <b>2013</b> , 2, 109-122	3.3	
1	. <i>IEEE Intelligent Transportation Systems Magazine</i> , <b>2021</b> , 13, 201-216	2.6	