

Zong Tian

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

826
citations

686830

13
h-index

525886

27
g-index

52
all docs

52
docs citations

52
times ranked

651
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating driver injury severity patterns in rollover crashes using support vector machine models. <i>Accident Analysis and Prevention</i> , 2016, 90, 128-139.	3.0	166
2	A novel method of vehicle-pedestrian near-crash identification with roadside LiDAR data. <i>Accident Analysis and Prevention</i> , 2018, 121, 238-249.	3.0	94
3	System Partition Technique to Improve Signal Coordination and Traffic Progression. <i>Journal of Transportation Engineering</i> , 2007, 133, 119-128.	0.9	72
4	Hierarchical Bayesian random intercept model-based cross-level interaction decomposition for truck driver injury severity investigations. <i>Accident Analysis and Prevention</i> , 2015, 85, 186-198.	3.0	59
5	Automatic Vehicle Classification using Roadside LiDAR Data. <i>Transportation Research Record</i> , 2019, 2673, 153-164.	1.0	53
6	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.	2.0	37
7	Effectiveness of Lead-Lag Phasing on Progression Bandwidth. <i>Transportation Research Record</i> , 2008, 2080, 22-27.	1.0	25
8	Control Delay at Signalized Diamond Interchanges considering Internal Queue Spillback. <i>Transportation Research Record</i> , 2010, 2173, 123-132.	1.0	23
9	Vehicle delay estimation at unsignalised pedestrian crosswalks with probabilistic yielding behaviour. <i>Transportmetrica A: Transport Science</i> , 2015, 11, 103-118.	1.3	18
10	Vehicle Speed and Acceleration Profile Study for Metered On-Ramps in California. <i>Journal of Transportation Engineering</i> , 2016, 142, .	0.9	18
11	Modeling Impact of Ramp Metering Queues on Diamond Interchange Operations. <i>Transportation Research Record</i> , 2004, 1867, 172-182.	1.0	16
12	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.	1.3	16
13	Arterial Performance Evaluation on an Adaptive Traffic Signal Control System. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 16, 230-239.	0.5	15
14	Recommendations for Acceleration Lane Length for Metered On-Ramps. <i>Transportation Research Record</i> , 2016, 2588, 1-11.	1.0	13
15	Acceleration Characteristics at Metered On-Ramps. <i>Transportation Research Record</i> , 2015, 2484, 1-9.	1.0	11
16	Using stop bar detector information to determine turning movement proportions in shared lanes. <i>Journal of Advanced Transportation</i> , 2016, 50, 802-817.	0.9	11
17	Traffic Signal Retiming to Improve Corridor Performance. <i>Journal of Transportation Engineering Part A: Systems</i> , 2021, 147, 05020009.	0.8	11
18	Integration of Diamond Interchange and Ramp Metering Operations. <i>Transportation Research Record</i> , 2005, 1925, 100-111.	1.0	10

#	ARTICLE	IF	CITATIONS
19	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, .	0.8	10
20	Application of Diamond Interchange Control Strategies at Closely Spaced Intersections. <i>Transportation Research Record</i> , 2007, 2035, 32-39.	1.0	9
21	Capacities of Unsignalized Intersections under Mixed Vehicular and Nonmotorized Traffic Conditions. <i>Transportation Research Record</i> , 2009, 2130, 129-137.	1.0	9
22	Control Delay Calculation at Diverging Diamond Interchanges. <i>Transportation Research Record</i> , 2011, 2257, 121-130.	1.0	9
23	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.	2.0	9
24	Capacity of Multilane All-Way Stop-Controlled Intersections Based on the Conflict Technique. <i>Transportation Research Record</i> , 2011, 2257, 111-120.	1.0	8
25	Bandwidth Optimization of Coordinated Arterials Based on Group Partition Method. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 43, 232-244.	0.5	8
26	Queue length estimation for a metered on-ramp using mesoscopic simulation. <i>Transportation Letters</i> , 2019, 11, 570-579.	1.8	8
27	Queue length estimation at metered freeway-to-freeway connectors. <i>Journal of Advanced Transportation</i> , 2016, 50, 1912-1924.	0.9	7
28	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.	0.8	7
29	Microsimulation Analysis of Traffic Operations at Two Diamond Interchange Types. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-11.	0.9	7
30	Modeling the Impacts of Traffic Flow Arrival Profiles on Ramp Metering Queues. <i>Transportation Research Record</i> , 2018, 2672, 85-92.	1.0	6
31	An exploratory investigation of the impact of ramp metering on driver acceleration behavior. <i>IATSS Research</i> , 2019, 43, 277-285.	1.8	6
32	Geometric design of metered on-ramps: state-of-the-practice and remaining challenges. <i>Transportation Letters</i> , 2020, 12, 649-658.	1.8	6
33	OD-Based Partition Technique to Improve Arterial Signal Coordination Using Connected Vehicle Data. <i>Transportation Research Record</i> , 2023, 2677, 252-265.	1.0	6
34	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.	0.9	5
35	A signal timing assignment proposal for urban multi lane signalised roundabouts. <i>Gradevinar</i> , 2019, 71, 113-124.	0.2	5
36	Multicriteria-Based Guideline for Pedestrian Timing Accommodation in Signal Coordination. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	4

#	ARTICLE	IF	CITATIONS
37	Capacity Modeling of Permitted Left-Turn Signalized Intersections with Probabilistic Priority. Transportation Research Record, 2020, 2674, 310-323.	1.0	4
38	Innovative detector layout for automated traffic turning volume counting. Journal of Advanced Transportation, 2016, 50, 1958-1971.	0.9	3
39	Comparison of performance between Virtual Controller Interface Device and Controller Interface Device. IET Intelligent Transport Systems, 2018, 12, 22-30.	1.7	3
40	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
41	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
42	An automatic skateboarder detection method with roadside LiDAR data. Journal of Transportation Safety and Security, 2021, 13, 298-317.	1.1	2
43	Effects of Pedestrian Crossing on Minor Road Capacity at Two-Way Stop-Controlled Intersections. Transportation Research Record, 2021, 2675, 472-482.	1.0	2
44	An Adaptive Neural Fuzzy Inference System model for freeway travel time estimation based on existing detector facilities. Case Studies on Transport Policy, 2021, 9, 1600-1606.	1.1	2
45	Effects of traffic signal coordination on the safety performance of urban arterials. Computational Urban Science, 2022, 2, 1.	1.9	2
46	Phasing Sequence and Signal Spacing Based Progression Bandwidth Optimization Technique. Applied Mechanics and Materials, 0, 178-181, 2604-2609.	0.2	1
47	Calculation of Additional Lost Green Time at Closely Spaced Intersections. International Journal of Transportation Science and Technology, 2013, 2, 109-122.	2.0	1
48	An offset optimization approach for coordinated signal systems with preferred measure considerations. Advances in Mechanical Engineering, 2016, 8, 168781401663782.	0.8	1
49	Model of Transition Delay for Unaccommodated Pedestrian Timing. Journal of Transportation Engineering Part A: Systems, 2018, 144, 04017078.	0.8	1
50	The comparison of optimum frequency and demand based frequency for designing transit networks. Case Studies on Transport Policy, 2019, 7, 698-707.	1.1	1
51	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
52	Leveraging Fully Actuated Signal Coordination and Phase Reservice to Facilitate Signal Timing Practices. Transportation Research Record, 2023, 2677, 240-251.	1.0	1