Jing Zhao

List of Publications by Year in descending order

66 papers	1,254 citations	331538 21 h-index	434063 31 g-index
66 all docs	66 docs citations	66 times ranked	722 citing authors

#	Article	IF	Citations
1	Two-dimensional vehicular movement modelling at intersections based on optimal control. Transportation Research Part B: Methodological, 2020, 138, 1-22.	2.8	95
2	Increasing the Capacity of Signalized Intersections with Dynamic Use of Exit Lanes for Left-Turn Traffic. Transportation Research Record, 2013, 2355, 49-59.	1.0	64
3	Optimal operation of displaced left-turn intersections: A lane-based approach. Transportation Research Part C: Emerging Technologies, 2015, 61, 29-48.	3.9	53
4	Impact of in-vehicle navigation information on lane-change behavior in urban expressway diverge segments. Accident Analysis and Prevention, 2017, 106, 53-66.	3.0	50
5	Gap acceptance probability model for pedestrians at unsignalized mid-block crosswalks based on logistic regression. Accident Analysis and Prevention, 2019, 129, 76-83.	3.0	48
6	An extended car-following model with consideration of speed guidance at intersections. Physica A: Statistical Mechanics and Its Applications, 2016, 461, 1-8.	1.2	43
7	Modeling the interaction between vehicle yielding and pedestrian crossing behavior at unsignalized midblock crosswalks. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 73, 222-235.	1.8	42
8	Driving simulator evaluation of driversâ€™ response to intersections with dynamic use of exit-lanes for left-turn. Accident Analysis and Prevention, 2015, 81, 107-119.	3.0	41
9	Safety evaluation of intersections with dynamic use of exit-lanes for left-turn using field data. Accident Analysis and Prevention, 2017, 102, 31-40.	3.0	40
10	Integrated design and operation of urban arterials with reversible lanes. Transportmetrica B, 2014, 2, 130-150.	1.4	35
11	Increasing Signalized Intersection Capacity with Unconventional Use of Special Width Approach Lanes. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 794-810.	6.3	34
12	Operation of signalized diamond interchanges with frontage roads using dynamic reversible lane control. Transportation Research Part C: Emerging Technologies, 2015, 51, 196-209.	3.9	32
13	Improving the Operational Efficiency of Buses With Dynamic Use of Exclusive Bus Lane at Isolated Intersections. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 642-653.	4.7	32
14	Two-Step Optimization Model for Dynamic Lane Assignment at Isolated Signalized Intersections. Transportation Research Record, 2013, 2355, 39-48.	1.0	31
15	An extended car-following model with consideration of vehicle to vehicle communication of two conflicting streams. Physica A: Statistical Mechanics and Its Applications, 2017, 473, 178-187.	1.2	30
16	Effective Coordinated Optimization Model for Transit Priority Control under Arterial Progression. Transportation Research Record, 2013, 2366, 71-83.	1.0	27
17	Integrated signal optimization and non-traditional lane assignment for urban freeway off-ramp congestion mitigation. Transportation Research Part C: Emerging Technologies, 2016, 73, 219-238.	3.9	25
18	A single-layer approach for joint optimization of traffic signals and cooperative vehicle trajectories at isolated intersections. Transportation Research Part C: Emerging Technologies, 2022, 134, 103459.	3.9	25

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19	Increasing the capacity of signalized intersections with left-turn waiting areas. Transportation Research, Part A: Policy and Practice, 2017, 105, 181-196.	2.0	24
20	Optimal Intersection Operation with Median U-Turn. Transportation Research Record, 2014, 2439, 71-82.	1.0	22
21	A network enhancement model with integrated lane reorganization and traffic control strategies. Journal of Advanced Transportation, 2016, 50, 1090-1110.	0.9	22
22	Optimal operation of freeway weaving segment with combination of lane assignment and on-ramp signal control. Transportmetrica A: Transport Science, 2016, 12, 413-435.	1.3	20
23	Increasing the Capacity of the Intersection Downstream of the Freeway Offâ€Ramp Using Presignals. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 674-690.	6.3	20
24	Exclusive Bus Lane Network Design: A Perspective from Intersection Operational Dynamics. Networks and Spatial Economics, 2019, 19, 1143-1171.	0.7	19
25	Saturation Flow Models of Exit Lanes for Left-Turn Intersections. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	0.8	19
26	Analysis of saturation flow rate at tandem intersections using field data. IET Intelligent Transport Systems, 2018, 12, 394-403.	1.7	18
27	Signal Timing Optimization for Transit Priority at Near-Saturated Intersections. Journal of Advanced Transportation, 2018, 2018, 1-14.	0.9	17
28	An extended car-following model with the consideration of the illegal pedestrian crossing. Physica A: Statistical Mechanics and Its Applications, 2018, 508, 650-661.	1.2	17
29	Effective Coordinated Optimization Model for Transit Priority Control under Arterial Progression. Transportation Research Record, 2013, 2356, 71-83.	1.0	16
30	Red-light running behavior of delivery-service E-cyclists based on survival analysis. Traffic Injury Prevention, 2020, 21, 558-562.	0.6	16
31	Optimal design of scheduling for bus rapid transit by combining with passive signal priority control. International Journal of Sustainable Transportation, 2021, 15, 407-418.	2.1	14
32	An extended car-following model at un-signalized intersections under V2V communication environment. PLoS ONE, 2018, 13, e0192787.	1.1	13
33	Capacity Estimation Model for Signalized Intersections under the Impact of Access Point. PLoS ONE, 2016, 11, e0145989.	1.1	13
34	Joint optimisation of regular and demand-responsive transit services. Transportmetrica A: Transport Science, 2023, 19, .	1.3	13
35	Optimization model for layout and signal design of full continuous flow intersections. Transportation Letters, 2016, 8, 194-204.	1.8	12
36	Investigating gap acceptance behavior at two-way stop-controlled intersections in China. Transportation Letters, 2020, 12, 202-212.	1.8	12

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37	Vehicle yielding probability estimation model at unsignalized midblock crosswalks in Shanghai, China. PLoS ONE, 2019, 14, e0213876.	1.1	11
38	Effect of lane allocation on operational efficiency at weaving areas based on a cellular automaton model. IET Intelligent Transport Systems, 2019, 13, 851-859.	1.7	11
39	Robust Signal Control of Exit Lanes for Left-Turn Intersections With the Consideration of Traffic Fluctuation. IEEE Access, 2020, 8, 42071-42081.	2.6	11
40	An Alternative Design for the Intersections With Limited Traffic Lanes and Queuing Space. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1473-1483.	4.7	11
41	Operational Efficiency Evaluation of Intersections with Dynamic Lane Assignment Using Field Data. Journal of Advanced Transportation, 2017, 2017, 1-13.	0.9	10
42	Vehicle Routing for Dynamic Road Network Based on Travel Time Reliability. IEEE Access, 2020, 8, 190596-190604.	2.6	10
43	An optimal control approach of integrating traffic signals and cooperative vehicle trajectories at intersections. Transportmetrica B, 2022, 10, 971-987.	1.4	10
44	Optimizing Vehicle and Pedestrian Trade-Off Using Signal Timing in Intersections with Center Transit Lanes. Journal of Transportation Engineering Part A: Systems, 2018, 144, .	0.8	9
45	Dynamic Turning Restriction Management for Signalized Road Network. Transportation Research Record, 2015, 2487, 96-111.	1.0	8
46	An innovative design for left turn bicycles at continuous flow intersections. Transportmetrica B, 2019, 7, 1305-1322.	1.4	8
47	Modeling and Simulation of Lane-Changing Management Strategies at On-Ramp and Off-Ramp Pair Areas Based on Cellular Automaton. IEEE Access, 2021, 9, 35034-35044.	2.6	8
48	Optimal Design of Midblock Crosswalk to Achieve Trade-Off between Vehicles and Pedestrians. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	0.8	7
49	Improving the operational performance of two-quadrant parclo interchanges with median U-turn concept. Transportmetrica B, 2018, 6, 190-210.	1.4	7
50	Modeling loading area effectiveness at off-line bus stops with no clear-cut separation of berths. Transportmetrica A: Transport Science, 2019, 15, 396-416.	1.3	7
51	Impact of Guideline Markings on Saturation Flow Rate at Signalized Intersections. Journal of Advanced Transportation, 2019, 2019, 1-13.	0.9	7
52	An alternative design for traffic intersections with work zones by using pre-signals. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 168-182.	2.6	7
53	Novel Design Method for Bus Approach Lanes with Bus Guidance and Priority Controls for Prioritizing Through and Left-Turn Buses. Journal of Advanced Transportation, 2019, 2019, 1-15.	0.9	6
54	Conditions for Setting Exclusive Pedestrian Phases at Two-Phase Signalized Intersections considering Pedestrian-Vehicle Interaction. Journal of Advanced Transportation, 2021, 2021, 1-14.	0.9	6

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55	Modeling the Operation of Left-Turn Vehicles at Exit Lanes for Left-Turn Intersections. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	6
56	Optimal control of automated left-turn platoon at contraflow left-turn lane intersections. Journal of Intelligent and Connected Vehicles, 2022, 5, 206-214.	3.6	6
57	Modeling Pedestrian Delays at Signalized Intersections as a Function of Crossing Directions and Moving Paths. Transportation Research Record, 2017, 2615, 95-104.	1.0	5
58	Analysis of alternative treatments for left turn bicycles at tandem intersections. Transportation Research, Part A: Policy and Practice, 2019, 126, 314-328.	2.0	5
59	Modelling the saturation flow rate for continuous flow intersections based on field collected data. PLoS ONE, 2020, 15, e0236922.	1.1	5
60	Modelling the operation of vehicles at signalised intersections with special width approach lane based on field data. IET Intelligent Transport Systems, 2020, 14, 1565-1572.	1.7	5
61	Two-Step Optimization Model for Evaluating the Saturation Flow Rate under the Impact of Small-Sized Vehicles. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	4
62	Capacity Model for Signalized Intersection under the Impact of Upstream Short Lane. Procedia, Social and Behavioral Sciences, 2013, 96, 1745-1754.	0.5	3
63	Optimal Trajectory Control for Left-Turn Vehicles at Exit Lane for Left-Turn Intersections. Journal of Transportation Engineering Part A: Systems, 2021, 147, .	0.8	2
64	Conditional Transit Signal Priority Optimization at Stop-to-Stop Segments to Improve BRT On-Time Performance. IEEE Access, 2022, 10, 33512-33526.	2.6	2
65	An Unscented Kalman Filter-Based Method for Reconstructing Vehicle Trajectories at Signalized Intersections. Journal of Advanced Transportation, 2021, 2021, 1-12.	0.9	2
66	Pedestrian Delay Model for Continuous Flow Intersections under Three Design Patterns. Mathematical Problems in Engineering, 2019, 2019, 1-12.	0.6	1