

Jian Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6743662/publications.pdf>

Version: 2024-02-01

51
papers

1,325
citations

394421

19
h-index

361022

35
g-index

51
all docs

51
docs citations

51
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Bus Travel Time Prediction Based on Ensemble Learning Methods. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 174-189.	3.8	9
2	Integrated Traffic Control for Freeway Recurrent Bottleneck Based on Deep Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15522-15535.	8.0	10
3	A Multiobjective Cooperative Driving Framework Based on Evolutionary Algorithm and Multitask Learning. Journal of Advanced Transportation, 2022, 2022, 1-14.	1.7	3
4	An OFDM-Based Pre-Coded Chaos Shift Keying Transceiver for reliable V2V Transmission. IEEE Transactions on Vehicular Technology, 2022, 71, 6710-6715.	6.3	9
5	A Simulation Approach to Detect Arterial Traffic Congestion Using Cellular Data. Journal of Advanced Transportation, 2022, 2022, 1-13.	1.7	1
6	Navigating Electric Vehicles Along a Signalized Corridor via Reinforcement Learning: Toward Adaptive Eco-Driving Control. Transportation Research Record, 2022, 2676, 657-669.	1.9	8
7	Energy-Efficient Driving for Adaptive Traffic Signal Control Environment via Explainable Reinforcement Learning. Applied Sciences (Switzerland), 2022, 12, 5380.	2.5	6
8	A Study on Autonomous Intersection Management: Planning-Based Strategy Improved by Convolutional Neural Network. KSCE Journal of Civil Engineering, 2021, 25, 3995-4004.	1.9	8
9	Cooperative Lane Changing Strategies to Improve Traffic Operation and Safety Nearby Freeway Off-Ramps in a Connected and Automated Vehicles Environment. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4605-4614.	8.0	76
10	Short-Term Passenger Flow Prediction for Urban Rail Stations Using Learning Network Based on Optimal Passenger Flow Information Input Algorithm. IEEE Access, 2020, 8, 170742-170753.	4.2	5
11	Development of Fuzzy Level of Service Criteria for Bus Rapid Transit considering User Heterogeneities in China. Journal of Advanced Transportation, 2020, 2020, 1-13.	1.7	2
12	Safety Evaluation for Connected and Autonomous Vehicles' Exclusive Lanes considering Penetration Ratios and Impact of Trucks Using Surrogate Safety Measures. Journal of Advanced Transportation, 2020, 2020, 1-16.	1.7	14
13	A Fused CP Factorization Method for Incomplete Tensors. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 751-764.	11.3	39
14	Rear-End Crash Risk of CACC-Manual Driven Mixed Flow Considering the Degeneration of CACC Systems. IEEE Access, 2019, 7, 140421-140429.	4.2	19
15	An Eco-Driving Signal Control Model for Divisible Electric Platoons in Cooperative Vehicle-Infrastructure Systems. IEEE Access, 2019, 7, 83277-83285.	4.2	15
16	Survival Analysis of Bus Running Time near Bus-Stop Areas. Journal of Transportation Engineering Part A: Systems, 2019, 145, 04019010.	1.4	3
17	A New Solution for Freeway Congestion: Cooperative Speed Limit Control Using Distributed Reinforcement Learning. IEEE Access, 2019, 7, 41947-41957.	4.2	45
18	Cooperative Merging Strategy for Connected Vehicles at Highway On-Ramps. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	1.4	31

#	ARTICLE	IF	CITATIONS
19	Traffic speed prediction for intelligent transportation system based on a deep feature fusion model. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2019, 23, 605-616.	4.2	45
20	Day-ahead traffic flow forecasting based on a deep belief network optimized by the multi-objective particle swarm algorithm. Knowledge-Based Systems, 2019, 172, 1-14.	7.1	162
21	Missing Value Imputation for Traffic-Related Time Series Data Based on a Multi-View Learning Method. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2933-2943.	8.0	118
22	An adaptive signal control using connected-vehicle data. Proceedings of the Institution of Civil Engineers: Transport, 2019, 172, 102-110.	0.6	2
23	Characteristics analysis for travel behavior of transportation hub passengers using mobile phone data. Transportation, 2019, 46, 1713-1736.	4.0	23
24	Robust and flexible strategy for missing data imputation in intelligent transportation system. IET Intelligent Transport Systems, 2018, 12, 151-157.	3.0	16
25	A Novel Approach to Estimate Freeway Traffic State: Parallel Computing and Improved Kalman Filter. IEEE Intelligent Transportation Systems Magazine, 2018, 10, 180-193.	3.8	20
26	Real-Time Traffic Incident Detection with Classification Methods. Lecture Notes in Electrical Engineering, 2018, , 777-788.	0.4	3
27	Short-to-medium Term Passenger Flow Forecasting for Metro Stations using a Hybrid Model. KSCE Journal of Civil Engineering, 2018, 22, 1937-1945.	1.9	46
28	Evaluating the Impacts of Bus Stop Design and Bus Dwelling on Operations of Multitype Road Users. Journal of Advanced Transportation, 2018, 2018, 1-10.	1.7	24
29	Travel time prediction for highway network based on the ensemble empirical mode decomposition and random vector functional link network. Applied Soft Computing Journal, 2018, 73, 921-932.	7.2	41
30	Comparing Prediction Performance for Crash Injury Severity Among Various Machine Learning and Statistical Methods. IEEE Access, 2018, 6, 60079-60087.	4.2	140
31	Analyzing Passenger Travel Demand Related to the Transportation Hub inside a City Area using Mobile Phone Data. Transportation Research Record, 2018, 2672, 23-34.	1.9	9
32	Speed Control of Pure Electric Vehicle Based on Adaptive Fuzzy PID Controller. Smart Innovation, Systems and Technologies, 2017, , 20-26.	0.6	4
33	A prediction model of bus arrival time at stops with multi-routes. Transportation Research Procedia, 2017, 25, 4623-4636.	1.5	31
34	Evaluation of mobility impact on urban work zones using statistical models. Journal of Central South University, 2017, 24, 1513-1521.	3.0	2
35	Improving method of real-time offset tuning for arterial signal coordination using probe trajectory data. Advances in Mechanical Engineering, 2017, 9, 168781401668335.	1.6	4
36	Freeway Multisensor Data Fusion Approach Integrating Data from Cellphone Probes and Fixed Sensors. Journal of Sensors, 2016, 2016, 1-13.	1.1	21

#	ARTICLE	IF	CITATIONS
37	Short-term highway traffic flow prediction based on a hybrid strategy considering temporal-spatial information. <i>Journal of Advanced Transportation</i> , 2016, 50, 2029-2040.	1.7	69
38	Decentralized Cooperative Lane-Changing Decision-Making for Connected Autonomous Vehicles. <i>IEEE Access</i> , 2016, 4, 9413-9420.	4.2	91
39	Characterizing Passenger Flow for a Transportation Hub Based on Mobile Phone Data. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, , 1-12.	8.0	16
40	Pedestrian movement analysis in transfer station corridor: Velocity-based and acceleration-based. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 450, 416-434.	2.6	13
41	Using Tensor Completion Method to Achieving Better Coverage of Traffic State Estimation from Sparse Floating Car Data. <i>PLoS ONE</i> , 2016, 11, e0157420.	2.5	13
42	Accuracy Analysis of Freeway Traffic Speed Estimation Based on the Integration of Cellular Probe System and Loop Detectors. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2015, 19, 411-426.	4.2	31
43	Optimizing Single-Depot Vehicle Scheduling Problem: Fixed-Interval Model and Algorithm. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2015, 19, 215-224.	4.2	10
44	Exploring suitable traffic conditions for intermittent bus lanes. <i>Journal of Advanced Transportation</i> , 2015, 49, 309-325.	1.7	27
45	Discriminance of activation time for bus dispatching under the environment of Intelligent Vehicle-Infrastructure Cooperation. , 2014, , .		0
46	Modeling Vehicle Interactions during Merge in Congested Weaving Section of Freeway Ramp. <i>Transportation Research Record</i> , 2014, 2421, 82-92.	1.9	17
47	An Improved Optimization Method for Isolated Signalized Intersection Based on the Temporal and Spatial Resources Integration. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 96, 1696-1706.	0.5	0
48	A study on pedestrian choice between stairway and escalator in the transfer station based on floor field cellular automata. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 5089-5100.	2.6	24
49	Analysis of the Development Environment of Urban Intelligent Transportation Systems. <i>Advanced Materials Research</i> , 2012, 598, 189-192.	0.3	0
50	Synchronous Transfer Model of Bus Timetabling for Regional Public Transit. <i>Applied Mechanics and Materials</i> , 2012, 226-228, 2356-2361.	0.2	0
51	Research on the Construction Mechanisms for Intelligent Transportation Systems in Foreign Countries. <i>Advanced Materials Research</i> , 2012, 594-597, 3024-3028.	0.3	0