Jian-hua Guo

List of Publications by Year
in descending order

53 papers	1,307 citations	430874 18 h-index	361022 35 g-index
54 all docs	54 docs citations	54 times ranked	1307 citing authors

#	ARTICLE	IF	CITATIONS
1	A stochastic user equilibrium model solving overlapping path and perfectly rational issues. Journal of Central South University, 2021, 28, 1584-1600.	3.0	3
2	A decentralized strategy for generalized Nash equilibrium with linear coupling constraints. Mathematics and Computers in Simulation, 2020, 171, 221-232.	4.4	3
3	Input-to-state stability of the road transport system via cyber–physical optimal control. Mathematics and Computers in Simulation, 2020, 171, 3-12.	4.4	1
4	Perimeter Control of Multiregion Urban Traffic Networks With Time-Varying Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2795-2803.	9.3	21
5	An interpretable model for short term traffic flow prediction. Mathematics and Computers in Simulation, 2020, 171, 264-278.	4.4	31
6	Sampling-based cooperative adaptive cruise control subject to communication delays and actuator lags. Mathematics and Computers in Simulation, 2020, 171, 13-25.	4.4	9
7	A Novel Hybrid Evaluation Method for Transfer Efficiency Assessment between Rail Transit and Public Bicycles. Promet - Traffic - Traffico, 2020, 32, 279-282.	0.7	2
8	Travel Time Reliability-Based Signal Timing Optimization for Urban Road Traffic Network Control. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	2
9	Short-Term Traffic Flow Prediction Based on the Intelligent Parameter Adjustment K-Nearest Neighbor Algorithm. Lecture Notes in Computer Science, 2020, , 466-477.	1.3	0
10	Dynamic traffic demand uncertainty prediction using radio–frequency identification data and link volume data. IET Intelligent Transport Systems, 2019, 13, 1309-1317.	3.0	11
11	Short-Term Traffic Flow Prediction Based on Least Square Support Vector Machine with Hybrid Optimization Algorithm. Neural Processing Letters, 2019, 50, 2305-2322.	3.2	59
12	Analyzing distributions for travel time data collected using radio frequency identification technique in urban road networks. Science China Technological Sciences, 2019, 62, 106-120.	4.0	9
13	A model and genetic algorithm for area-wide intersection signal optimization under user equilibrium traffic. Mathematics and Computers in Simulation, 2019, 155, 92-104.	4.4	23
14	Multi-vehicle detection algorithm through combining Harr and HOG features. Mathematics and Computers in Simulation, 2019, 155, 130-145.	4.4	74
15	Enhanced least square based dynamic OD matrix estimation using Radio Frequency Identification data. Mathematics and Computers in Simulation, 2019, 155, 27-40.	4.4	17
16	Vehicle Emission Computation Through Microscopic Traffic Simulation Calibrated Using Genetic Algorithm. Journal of Artificial Intelligence and Soft Computing Research, 2019, 9, 67-80.	4.3	14
17	Effect of Time Intervals on K-nearest Neighbors Model for Short-term Traffic Flow Prediction. Promet - Traffic - Traffico, 2019, 31, 129-139.	0.7	1
18	Real-Time Prediction of Seasonal Heteroscedasticity in Vehicular Traffic Flow Series. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3170-3180.	8.0	32

#	Article	IF	Citations
19	Short‐term traffic flow prediction using fuzzy information granulation approach under different time intervals. IET Intelligent Transport Systems, 2018, 12, 143-150.	3.0	42
20	Optimized traffic emergency resource scheduling using time varying rescue route travel time. Neurocomputing, 2018, 275, 1567-1575.	5.9	23
21	Coordinated Ramp Metering under the Connected Vehicle Environment. , 2018, , .		2
22	A Hybrid Short-term Traffic Flow Forecasting Method Based on Neural Networks Combined with K-Nearest Neighbor. Promet - Traffic - Traffico, 2018, 30, 445-456.	0.7	16
23	Traffic network equilibrium problems with demands uncertainty and capacity constraints of arcs by scalarization approaches. Science China Technological Sciences, 2018, 61, 1642-1653.	4.0	10
24	Service Location Optimization Model for Improving Rural Emergency Medical Services. Transportation Research Record, 2018, 2672, 83-93.	1.9	14
25	Real Time Short-term Forecasting Method of Remaining Parking Space in Urban Parking Guidance Systems. Promet - Traffic - Traffico, 2018, 30, 173-185.	0.7	3
26	Next-generation innovation and development of intelligent transportation system in China. Science China Information Sciences, 2017, 60, 1.	4.3	21
27	Improved bottleneck approach for heuristic systemwide responsive ramp metering on congested freeways. KSCE Journal of Civil Engineering, 2015, 19, 296-302.	1.9	2
28	Conflicts analysis for urban road intersection considering non-motor vehicles and pedestrians factor. , 2015, , .		1
29	Real time prediction of unoccupied parking space using time series model. , 2015, , .		25
30	Real time traffic flow outlier detection using short-term traffic conditional variance prediction. Transportation Research Part C: Emerging Technologies, 2015, 50, 160-172.	7.6	58
31	Modeling Seasonal Heteroscedasticity in Vehicular Traffic Condition Series Using a Seasonal Adjustment Approach. Journal of Transportation Engineering, 2014, 140, .	0.9	21
32	Framework for Dynamic OD Matrix Estimation Based on Multi-Source Traffic Data Fusion. Applied Mechanics and Materials, 2014, 505-506, 1153-1156.	0.2	1
33	Adaptive Kalman filter approach for stochastic short-term traffic flow rate prediction and uncertainty quantification. Transportation Research Part C: Emerging Technologies, 2014, 43, 50-64.	7.6	455
34	Real-Time Traffic Speed Variability Modeling and Prediction. , 2014, , .		0
35	Effect of time interval on speed estimation using single loop detector measurements. KSCE Journal of Civil Engineering, 2013, 17, 1130-1138.	1.9	3
36	Performance Measures for Short Term Traffic Condition Forecasting Algoithms. , 2013, , .		0

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37	Integrated Heteroscedasticity Test for Vehicular Traffic Condition Series. Journal of Transportation Engineering, 2012, 138, 1161-1170.	0.9	18
38	A clustering approach to online freeway traffic state identification using ITS data. KSCE Journal of Civil Engineering, 2012, 16, 426-432.	1.9	46
39	Optimized Dispatch of Expressway Block Removal and Rescue Resources Based on Genetic Algorithms. , 2011, , .		2
40	A VII-Based System-Wide Ramp Metering Approach. , 2011, , .		1
41	License Plate Image Binarization Based on Chromatic Information and Fuzzy C-Mean Approach. Transportation Research Record, 2011, 2256, 10-15.	1.9	0
42	Econometrical investigation on infrastructure investment and economic development in China: A case study using vector autoregression approach. KSCE Journal of Civil Engineering, 2011, 15, 561-567.	1.9	15
43	Methodology to Identify Optimal Placement of Point Detectors for Travel Time Estimation. Journal of Transportation Engineering, 2011, 137, 155-173.	0.9	9
44	Peer-to-Peer-Based Publish/Subscribe Architecture for Advanced Infrastructure Systems. Journal of Computing in Civil Engineering, 2010, 24, 65-72.	4.7	2
45	Framework for developing proactive traffic control systems. , 2010, , .		0
46	Real-Time Short-Term Traffic Speed Level Forecasting and Uncertainty Quantification Using Layered Kalman Filters. Transportation Research Record, 2010, 2175, 28-37.	1.9	70
47	A Research into Stock Market Volatility Using Threshold GARCH Model. , 2009, , .		0
48	Kalman Filter Approach to Speed Estimation Using Single Loop Detector Measurements under Congested Conditions. Journal of Transportation Engineering, 2009, 135, 927-934.	0.9	31
49	Freeway Accident Likelihood Prediction Using a Panel Data Analysis Approach. Journal of Transportation Engineering, 2007, 133, 149-156.	0.9	43
50	Development and Evaluation of a Vehicle-Infrastructure Integration Simulation Architecture. Journal of Computing in Civil Engineering, 2007, 21, 434-440.	4.7	12
51	Information Technology Used to Evaluate Nontraditional Traffic Monitoring Systems. Transportation Research Record, 2007, 2024, 1-7.	1.9	2
52	Data Collection Time Intervals for Stochastic Short-Term Traffic Flow Forecasting. Transportation Research Record, 2007, 2024, 18-26.	1.9	46
53	A Mobile Payment Based on-Street Parking Management System. Advanced Materials Research, 0, 378-379, 319-322.	0.3	0