Peter Jin

List of Publications by Year
in descending order

57 papers	1,242 citations	430754 18 h-index	377752 34 g-index
57 all docs	57 docs citations	57 times ranked	1208 citing authors

#	Article	IF	Citations
1	A Feature-Based Approach to Large-Scale Freeway Congestion Detection Using Full Cellular Activity Data. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1323-1331.	4.7	3
2	Vehicle travel path recognition in urban dense road network environments by using mobile phone data. Transportmetrica A: Transport Science, 2022, 18, 1496-1516.	1.3	4
3	Enhanced Spatial–Temporal Map-Based Video Analytic Platform and Its Local- Versus Cloud-Based Deployment with Regional 511 Camera Network. Transportation Research Record, 2022, 2676, 256-273.	1.0	2
4	Vehicle Detection and Tracking for 511 Traffic Cameras With U-Shaped Dual Attention Inception Neural Networks and Spatial-Temporal Map. Transportation Research Record, 2022, 2676, 613-629.	1.0	7
5	Optimization model for the freeway-exiting position decision problem of automated vehicles. Transportation Research Part B: Methodological, 2022, 159, 24-48.	2.8	1
6	Trip end identification based on spatial-temporal clustering algorithm using smartphone positioning data. Expert Systems With Applications, 2022, 197, 116734.	4.4	2
7	Roadside LiDAR Vehicle Detection and Tracking Using Range and Intensity Background Subtraction. Journal of Advanced Transportation, 2022, 2022, 1-14.	0.9	9
8	A dynamic merge assistance method based on the concept of instantaneous virtual trajectory for vehicle-to-infrastructure connected vehicles. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 293-312.	2.6	5
9	Longitudinal-Scanline-Based Arterial Traffic Video Analytics with Coordinate Transformation Assisted by 3D Infrastructure Data. Transportation Research Record, 2021, 2675, 338-357.	1.0	5
10	Surrounding Vehicles' Contribution to Car-Following Models: Deep-Learning-Based Analysis. Transportation Research Record, 2021, 2675, 623-640.	1.0	3
11	Random Forest Model for Trip End Identification Using Cellular Phone and Points of Interest Data. Transportation Research Record, 2021, 2675, 454-466.	1.0	5
12	Multi-Player Dynamic Game-Based Automatic Lane-Changing Decision Model under Mixed Autonomous Vehicle and Human-Driven Vehicle Environment. Transportation Research Record, 2020, 2674, 165-183.	1.0	10
13	Network-wide signal timing stochastic simulation optimization with environmental concerns. Applied Soft Computing Journal, 2019, 77, 678-687.	4.1	19
14	A longitudinal scanline based vehicle trajectory reconstruction method for high-angle traffic video. Transportation Research Part C: Emerging Technologies, 2019, 103, 104-128.	3.9	32
15	Arterial Traffic Flow Estimation Based on Vehicle-to-Cloud Vehicle Trajectory Data Considering Multi-Intersection Interaction and Coordination. Transportation Research Record, 2019, 2673, 68-83.	1.0	11
16	Arterial link travel time estimation considering traffic signal delays using cellular handoff data. IET Intelligent Transport Systems, 2019, 13, 461-468.	1.7	6
17	Discovering Urban Travel Demands Through Dynamic Zone Correlation in Location-Based Social Networks. Lecture Notes in Computer Science, 2019, , 88-104.	1.0	3
18	Freeway traffic state estimation: A Lagrangian-space Kalman filter approach. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2019, 23, 525-540.	2.6	14

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19	Improving Bus Operations through Integrated Dynamic Holding Control and Schedule Optimization. Journal of Advanced Transportation, 2018, 2018, 1-18.	0.9	2
20	A dynamic lane-changing trajectory planning model for automated vehicles. Transportation Research Part C: Emerging Technologies, 2018, 95, 228-247.	3.9	146
21	An adaptive hawkes process formulation for estimating time-of-day zonal trip arrivals with location-based social networking check-in data. Transportation Research Part C: Emerging Technologies, 2017, 79, 136-155.	3.9	21
22	A connected-vehicle-based dynamic control model for managing the bus bunching problem with capacity constraints. Transportation Planning and Technology, 2017, 40, 722-740.	0.9	4
23	Modeling Freeway Merging in a Weaving Section as a Sequential Decision-Making Process. Journal of Transportation Engineering Part A: Systems, 2017, 143, .	0.8	18
24	Transit signal priority optimization for urban traffic network considering arterial coordinated signal control. Advances in Mechanical Engineering, 2017, 9, 168781401770059.	0.8	7
25	Gap metering for active traffic control at freeway merging sections. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2017, 21, 1-11.	2.6	19
26	Autonomous Vehicle-Intersection Coordination Method in a Connected Vehicle Environment. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 37-47.	2.6	100
27	Biobjective Optimization and Evaluation for Transit Signal Priority Strategies at Bus Stop-to-Stop Segment. Mathematical Problems in Engineering, 2016, 2016, 1-12.	0.6	7
28	Merging Preparation Behavior of Drivers: How They Choose and Approach Their Merge Positions at a Congested Weaving Area. Journal of Transportation Engineering, 2016, 142, .	0.9	7
29	Signal Timing Detection Based on Spatial–Temporal Map Generated from CCTV Surveillance Video. Transportation Research Record, 2016, 2594, 138-147.	1.0	7
30	Transportation Planning Through Peer-to-Peer Modeling. Transportation Research Record, 2016, 2564, 41-51.	1.0	0
31	Short-Term Traffic Prediction Based on Dynamic Tensor Completion. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2123-2133.	4.7	166
32	Tensor based missing traffic data completion with spatial–temporal correlation. Physica A: Statistical Mechanics and Its Applications, 2016, 446, 54-63.	1.2	105
33	Performance Evaluation of Handoff-Based Cellular Traffic Monitoring Systems Using Combined Wireless and Traffic Simulation Platform. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 113-124.	2.6	11
34	Estimating Missing Traffic Volume Using Low Multilinear Rank Tensor Completion. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016, 20, 152-161.	2.6	21
35	A vehicle type-dependent visual imaging model for analysing the heterogeneous car-following dynamics. Transportmetrica B, 2016, 4, 68-85.	1.4	17
36	GPS and Acceleration Data in Multimode Trip Data Recognition Based on Wavelet Transform Modulus Maximum Algorithm. Transportation Research Record, 2015, 2526, 90-98.	1.0	25

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37	An anisotropic continuum model considering bi-directional information impact. Transportation Research Part B: Methodological, 2015, 75, 36-57.	2.8	40
38	Origin-Destination Estimation for Non-Commuting Trips Using Location-Based Social Networking Data. International Journal of Sustainable Transportation, 2015, 9, 551-564.	2.1	42
39	The identification and empirical characterization of vehicular (Lagrangian) fundamental diagrams in multilane traffic flow. Journal of Advanced Transportation, 2015, 49, 769-792.	0.9	1
40	Bayesian network-based formulation and analysis for toll road utilization supported by traffic information provision. Transportation Research Part C: Emerging Technologies, 2015, 60, 339-359.	3.9	28
41	Reducing the Error Accumulation in Car-Following Models Calibrated With Vehicle Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 148-157.	4.7	30
42	Stability analysis of the mixed traffic flow of cars and trucks using heterogeneous optimal velocity car-following model. Physica A: Statistical Mechanics and Its Applications, 2014, 395, 371-383.	1.2	43
43	Determining Strategic Locations for Environmental Sensor Stations with Weather-Related Crash Data. Transportation Research Record, 2014, 2440, 34-42.	1.0	13
44	Location-Based Social Networking Data. Transportation Research Record, 2014, 2430, 72-82.	1.0	28
45	Analyzing the impact of false-accident cyber attacks on traffic flow stability in connected vehicle environment. , 2013, , .		6
46	Safe distance car-following model including backward-looking and its stability analysis. European Physical Journal B, 2013, 86, 1.	0.6	42
47	Speed Synchronization Process of Merging Vehicles from the Entrance Ramp. Transportation Research Record, 2013, 2391, 11-21.	1.0	14
48	Bidirectional Control Characteristics of General Motors and Optimal Velocity Car-Following Models. Transportation Research Record, 2013, 2381, 110-119.	1.0	16
49	Perspectives on Future Transportation Research: Impact of Intelligent Transportation System Technologies on Next-Generation Transportation Modeling. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2012, 16, 226-242.	2.6	75
50	A Case Study of Active Traffic Control: Improving Efficiency of the Traffic Operations Using Ramp Metering System. , 2012, , .		0
51	Influence of lateral discomfort on the stability of traffic flow based on visual angle car-following model. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5948-5959.	1.2	14
52	Freeway Recurrent Bottleneck Identification Algorithms Considering Detector Data Quality Issues. Journal of Transportation Engineering, 2012, 138, 1205-1214.	0.9	13
53	Same-Day Mode Choice Modeling with Household Vehicle Usage Simulation in Developing Countries. Transportation Research Record, 2011, 2239, 23-33.	1.0	5
54	Cellular probe technology applied in advanced traveller information system. World Review of Intermodal Transportation Research, 2009, 2, 247.	0.2	6

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55	The Application of Venue-Side Location-Based Social Networking (VS-LBSN) Data in Dynamic Origin-Destination Estimation. Advances in Data Mining and Database Management Book Series, 0, , 239-257.	0.4	2
56	The Application of Venue-Side Location-Based Social Networking (VS-LBSN) Data in Dynamic Origin-Destination Estimation. , 0, , 355-375.		0
57	Detection of Traffic Pattern Based on Fuzzy Clustering and Wavelet Analysis Model at Different Signaling Positioning Frequencies. Transportation Research Record, 0, , 036119812210846.	1.0	0