

Peter Jin

List of Publications by Year in descending order

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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	Short-Term Traffic Prediction Based on Dynamic Tensor Completion. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2123-2133.	4.7	166
2	A dynamic lane-changing trajectory planning model for automated vehicles. Transportation Research Part C: Emerging Technologies, 2018, 95, 228-247.	3.9	146
3	Tensor based missing traffic data completion with spatial-temporal correlation. Physica A: Statistical Mechanics and Its Applications, 2016, 446, 54-63.	1.2	105
4	Autonomous Vehicle-Intersection Coordination Method in a Connected Vehicle Environment. IEEE Intelligent Transportation Systems Magazine, 2017, 9, 37-47.	2.6	100
5	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
6	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
7	Safe distance car-following model including backward-looking and its stability analysis. European Physical Journal B, 2013, 86, 1.	0.6	42
8	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
9	An anisotropic continuum model considering bi-directional information impact. Transportation Research Part B: Methodological, 2015, 75, 36-57.	2.8	40
10	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
11	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
12	Location-Based Social Networking Data. Transportation Research Record, 2014, 2430, 72-82.	1.0	28
13	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
14	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
15	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
16	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
17	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
18	Network-wide signal timing stochastic simulation optimization with environmental concerns. Applied Soft Computing Journal, 2019, 77, 678-687.	4.1	19

#	ARTICLE	IF	CITATIONS
19	Modeling Freeway Merging in a Weaving Section as a Sequential Decision-Making Process. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	18
20	A vehicle type-dependent visual imaging model for analysing the heterogeneous car-following dynamics. <i>Transportmetrica B</i> , 2016, 4, 68-85.	1.4	17
21	Bidirectional Control Characteristics of General Motors and Optimal Velocity Car-Following Models. <i>Transportation Research Record</i> , 2013, 2381, 110-119.	1.0	16
22	Influence of lateral discomfort on the stability of traffic flow based on visual angle car-following model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 5948-5959.	1.2	14
23	Speed Synchronization Process of Merging Vehicles from the Entrance Ramp. <i>Transportation Research Record</i> , 2013, 2391, 11-21.	1.0	14
24	Freeway traffic state estimation: A Lagrangian-space Kalman filter approach. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2019, 23, 525-540.	2.6	14
25	Freeway Recurrent Bottleneck Identification Algorithms Considering Detector Data Quality Issues. <i>Journal of Transportation Engineering</i> , 2012, 138, 1205-1214.	0.9	13
26	Determining Strategic Locations for Environmental Sensor Stations with Weather-Related Crash Data. <i>Transportation Research Record</i> , 2014, 2440, 34-42.	1.0	13
27	Performance Evaluation of Handoff-Based Cellular Traffic Monitoring Systems Using Combined Wireless and Traffic Simulation Platform. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2016, 20, 113-124.	2.6	11
28	Arterial Traffic Flow Estimation Based on Vehicle-to-Cloud Vehicle Trajectory Data Considering Multi-Intersection Interaction and Coordination. <i>Transportation Research Record</i> , 2019, 2673, 68-83.	1.0	11
29	Multi-Player Dynamic Game-Based Automatic Lane-Changing Decision Model under Mixed Autonomous Vehicle and Human-Driven Vehicle Environment. <i>Transportation Research Record</i> , 2020, 2674, 165-183.	1.0	10
30	Roadside LiDAR Vehicle Detection and Tracking Using Range and Intensity Background Subtraction. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-14.	0.9	9
31	Biobjective Optimization and Evaluation for Transit Signal Priority Strategies at Bus Stop-to-Stop Segment. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-12.	0.6	7
32	Merging Preparation Behavior of Drivers: How They Choose and Approach Their Merge Positions at a Congested Weaving Area. <i>Journal of Transportation Engineering</i> , 2016, 142, .	0.9	7
33	Signal Timing Detection Based on Spatial-Temporal Map Generated from CCTV Surveillance Video. <i>Transportation Research Record</i> , 2016, 2594, 138-147.	1.0	7
34	Transit signal priority optimization for urban traffic network considering arterial coordinated signal control. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401770059.	0.8	7
35	Vehicle Detection and Tracking for 511 Traffic Cameras With U-Shaped Dual Attention Inception Neural Networks and Spatial-Temporal Map. <i>Transportation Research Record</i> , 2022, 2676, 613-629.	1.0	7
36	Cellular probe technology applied in advanced traveller information system. <i>World Review of Intermodal Transportation Research</i> , 2009, 2, 247.	0.2	6

#	ARTICLE	IF	CITATIONS
37	Analyzing the impact of false-accident cyber attacks on traffic flow stability in connected vehicle environment. , 2013, , .		6
38	Arterial link travel time estimation considering traffic signal delays using cellular handoff data. IET Intelligent Transport Systems, 2019, 13, 461-468.	1.7	6
39	Same-Day Mode Choice Modeling with Household Vehicle Usage Simulation in Developing Countries. Transportation Research Record, 2011, 2239, 23-33.	1.0	5
40	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
41	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
42	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
43	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
44	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
45	Discovering Urban Travel Demands Through Dynamic Zone Correlation in Location-Based Social Networks. Lecture Notes in Computer Science, 2019, , 88-104.	1.0	3
46	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
47	Surrounding Vehiclesâ€™ Contribution to Car-Following Models: Deep-Learning-Based Analysis. Transportation Research Record, 2021, 2675, 623-640.	1.0	3
48	Improving Bus Operations through Integrated Dynamic Holding Control and Schedule Optimization. Journal of Advanced Transportation, 2018, 2018, 1-18.	0.9	2
49	Enhanced Spatialâ€™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
50	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
51	Trip end identification based on spatial-temporal clustering algorithm using smartphone positioning data. Expert Systems With Applications, 2022, 197, 116734.	4.4	2
52	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
53	Optimization model for the freeway-exiting position decision problem of automated vehicles. Transportation Research Part B: Methodological, 2022, 159, 24-48.	2.8	1
54	A Case Study of Active Traffic Control: Improving Efficiency of the Traffic Operations Using Ramp Metering System. , 2012, , .		0

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55	Transportation Planning Through Peer-to-Peer Modeling. Transportation Research Record, 2016, 2564, 41-51.	1.0	0
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