

High-Resolution Vehicle Trajectory Extraction and Den

IEEE Transactions on Intelligent Transportation Systems
22, 3190-3202

DOI: [10.1109/tits.2020.3003782](https://doi.org/10.1109/tits.2020.3003782)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ship Trajectory Reconstruction from AIS Sensory Data via Data Quality Control and Prediction. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-9.	0.6	14
2	An Analytical Framework for Accurate Traffic Flow Parameter Calculation from UAV Aerial Videos. <i>Remote Sensing</i> , 2020, 12, 3844.	1.8	14
3	Deformable Model-Based Vehicle Tracking and Recognition Using 3-D Constrained Multiple-Kernels and Kalman Filter. <i>IEEE Access</i> , 2021, 9, 90346-90357.	2.6	4
4	Comprehensive performance analysis and optimal design of smart light pole for cooperative vehicle infrastructure system. <i>Nanotechnology Reviews</i> , 2021, 10, 904-918.	2.6	0
5	Vehicle Trajectory Optimization Based on Limiting Average Algorithm. <i>IEEE Access</i> , 2021, 9, 9595-9599.	2.6	2
6	Let There Be Light: Improved Traffic Surveillance via Detail Preserving Night-to-Day Transfer. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 8217-8226.	5.6	9
7	Learning Dynamic and Hierarchical Traffic Spatiotemporal Features With Transformer. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 22386-22399.	4.7	58
8	Ship detention prediction via feature selection scheme and support vector machine (SVM). <i>Maritime Policy and Management</i> , 2022, 49, 140-153.	1.9	20
9	An Empirical Review of Deep Learning Frameworks for Change Detection: Model Design, Experimental Frameworks, Challenges and Research Needs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 6101-6122.	4.7	42
10	Applications, databases and open computer vision research from drone videos and images: a survey. <i>Artificial Intelligence Review</i> , 2021, 54, 3887-3938.	9.7	43
11	UTM-Chain: Blockchain-Based Secure Unmanned Traffic Management for Internet of Drones. <i>Sensors</i> , 2021, 21, 3049.	2.1	45
12	DistTune: Distributed Fine-Grained Adaptive Traffic Speed Prediction for Growing Transportation Networks. <i>Transportation Research Record</i> , 2021, 2675, 211-227.	1.0	0
13	Deep Learning Techniques for Vehicle Trajectory Extraction in Mixed Traffic. <i>Journal of Big Data Analytics in Transportation</i> , 2021, 3, 141-157.	1.4	9
14	Optimization Model of Regional Traffic Signs for Inducement at Road Works. <i>Sustainability</i> , 2021, 13, 6996.	1.6	1
15	Pedestrian Behavior Analytics on Dashcam Videos in Chaotic Environments. <i>IEEE Sensors Journal</i> , 2021, 21, 15660-15669.	2.4	0
16	A Novel Adaptive Visual Analytics Framework for Multiship Encounter Identification. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-11.	0.9	5
17	A Spatiotemporal Prediction Model for Regional Scheduling of Shared Bicycles Based on the INLA Method. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-10.	0.9	0
18	Research on Road Adhesion Condition Identification Based on an Improved ALexNet Model. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-14.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Ship detection from coastal surveillance videos via an ensemble Canny-Gaussian-morphology framework. <i>Journal of Navigation</i> , 2021, 74, 1252-1266.	1.0	51
20	An Optimized Collision Avoidance Decision-Making System for Autonomous Ships under Human-Machine Cooperation Situations. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-17.	0.9	8
21	Exploring Factors Contributing to Crash Injury Severity in the Rural-Urban Fringe of the Central City. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-10.	0.9	1
22	Development of AI-Based Vehicle Detection and Tracking System for C-ITS Application. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-15.	0.9	12
23	Refined Path Planning for Emergency Rescue Vehicles on Congested Urban Arterial Roads via Reinforcement Learning Approach. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	10
24	Electric vehicle charging demand forecasting using deep learning model. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2022, 26, 690-703.	2.6	35
25	Research on the Evolution Mechanism of Congestion in the Entrances and Exits of Parking Facilities Based on the Improved Spatial Autoregressive Model. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-15.	0.9	2
26	Traffic Accident Data Generation Based on Improved Generative Adversarial Networks. <i>Sensors</i> , 2021, 21, 5767.	2.1	5
27	Intelligent Boarding Modelling and Evaluation: A Simulation-Based Approach. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	1
28	Factors Identification and Prediction for Mind Wandering Driving Using Machine Learning. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-13.	0.9	2
29	A Research on Advanced Technology of Target Detection in Unmanned Driving. <i>Journal of Physics: Conference Series</i> , 2021, 2010, 012158.	0.3	3
30	Multitarget Vehicle Tracking and Motion State Estimation Using a Novel Driving Environment Perception System of Intelligent Vehicles. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-16.	0.9	2
31	Analysis of Freeway Safety Influencing Factors on Driving Workload and Performance Based on the Gray Correlation Method. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-11.	0.9	9
32	Multiobjective Railway Alignment Optimization Using Ballastless Track and Reduced Cross-Section in Tunnel. <i>Sustainability</i> , 2021, 13, 10672.	1.6	6
33	Ship Target Detection Algorithm Based on Improved YOLOv3 for Maritime Image. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-11.	0.9	10
34	Motorcycle Ban and Traffic Safety: Evidence from a Quasi-Experiment at Zhejiang, China. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-13.	0.9	35
35	A real-time and high-precision method for small traffic-signs recognition. <i>Neural Computing and Applications</i> , 2022, 34, 2233-2245.	3.2	34
36	Analyzing Accident Injury Severity via an Extreme Gradient Boosting (XGBoost) Model. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-11.	0.9	16

#	ARTICLE	IF	CITATIONS
37	Exploring Influencing Factors of Intercity Mode Choice from View of Entire Travel Chain. Journal of Advanced Transportation, 2021, 2021, 1-13.	0.9	3
38	Regional Boundary Control of Traffic Network Based on MFD and FR-PID. Journal of Advanced Transportation, 2021, 2021, 1-12.	0.9	2
39	Detection and tracking for the awareness of surroundings of a ship based on deep learning. Journal of Computational Design and Engineering, 2021, 8, 1407-1430.	1.5	16
40	Automated Container Terminal Production Operation and Optimization via an AdaBoost-Based Digital Twin Framework. Journal of Advanced Transportation, 2021, 2021, 1-16.	0.9	10
41	Study on Road-Crossing Violations among Young Pedestrians Based on the Theory of Planned Behavior. Journal of Advanced Transportation, 2021, 2021, 1-11.	0.9	9
42	Distributed Deep Reinforcement Learning for Intelligent Traffic Monitoring with a Team of Aerial Robots. , 2021, , .		1
43	A Novel Hybrid Model for Predicting Traffic Flow via Improved Ensemble Learning Combined with Deep Belief Networks. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	2
44	When Intelligent Transportation Systems Sensing Meets Edge Computing: Vision and Challenges. Applied Sciences (Switzerland), 2021, 11, 9680.	1.3	23
45	Detection for Dangerous Goods Vehicles in Expressway Service Station Based on Surveillance Videos. Journal of Advanced Transportation, 2021, 2021, 1-9.	0.9	1
46	Efficient Video-based Vehicle Queue Length Estimation using Computer Vision and Deep Learning for an Urban Traffic Scenario. Processes, 2021, 9, 1786.	1.3	10
47	A new theory of driver vision pressure energy field and its application in driver behaviour decision-making model. IET Intelligent Transport Systems, 2022, 16, 1.	1.7	1
48	High-fidelity data supported ship trajectory prediction via an ensemble machine learning framework. Physica A: Statistical Mechanics and Its Applications, 2022, 586, 126470.	1.2	19
49	Traffic flow prediction based on BILSTM model and data denoising scheme. Chinese Physics B, 2022, 31, 040502.	0.7	8
50	Trajectory Optimization of CAVs in Freeway Work Zone considering Car-Following Behaviors Using Online Multiagent Reinforcement Learning. Journal of Advanced Transportation, 2021, 2021, 1-17.	0.9	5
51	Near-Field Route Optimization-Supported Polar Ice Navigation via Maritime Radar Videos. Journal of Advanced Transportation, 2021, 2021, 1-15.	0.9	2
52	Analysis of collaborative wireless vehicular technologies under realistic conditions. Journal of Engineering, 2022, 2022, 201-209.	0.6	5
53	Truck-Lifting Prevention System Based on Vision Tracking for Container-Lifting Operation. Journal of Advanced Transportation, 2021, 2021, 1-9.	0.9	3
54	Traffic prediction based on auto spatiotemporal Multi-graph Adversarial Neural Network. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126736.	1.2	17

#	ARTICLE	IF	CITATIONS
55	Urban Traffic Monitoring and Analysis Using Unmanned Aerial Vehicles (UAVs): A Systematic Literature Review. <i>Remote Sensing</i> , 2022, 14, 620.	1.8	45
56	Dynamic Sign Guidance Optimization for Crowd Evacuation considering Flow Equilibrium. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-19.	0.9	2
57	Recurrent neural network non-singular terminal sliding mode control for path following of autonomous ground vehicles with parametric uncertainties. <i>IET Intelligent Transport Systems</i> , 2022, 16, 616-629.	1.7	6
58	Strategic interaction of original equipment manufacturers between outsourcing and purchasing in a quality-differentiated market. <i>PLoS ONE</i> , 2022, 17, e0262678.	1.1	2
59	Analysis and Prediction of the Interval Duration between the First and Second Accidents considering the Spatiotemporal Threshold. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-14.	0.9	0
60	Monitoring Driving in a Monotonous Environment: Classification and Recognition of Driving Fatigue Based on Long Short-Term Memory Network. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-14.	0.9	3
61	Selection of renewable energy sources: a novel VIKOR approach in an intuitionistic fuzzy linguistic environment. <i>Environment, Development and Sustainability</i> , 2023, 25, 3429-3467.	2.7	14
62	Affecting factors of double parking violations on urban trips. <i>Transport Policy</i> , 2022, 120, 80-88.	3.4	3
63	Real-Time Vehicle Trajectory Prediction for Traffic Conflict Detection at Unsignalized Intersections. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-15.	0.9	7
64	Vehicle Destination Prediction Using Bidirectional LSTM with Attention Mechanism. <i>Sensors</i> , 2021, 21, 8443.	2.1	6
65	YOLO-SD: A Real-Time Crew Safety Detection and Early Warning Approach. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-12.	0.9	1
66	An Improved Cellular Automaton Traffic Model Based on STCA Model Considering Variable Direction Lanes in I-VICS. <i>Sustainability</i> , 2021, 13, 13626.	1.6	2
67	Risk Identification and Conflict Prediction from Videos Based on TTC-ML of a Multi-Lane Weaving Area. <i>Sustainability</i> , 2022, 14, 4620.	1.6	3
68	AI-Empowered Speed Extraction via Port-Like Videos for Vehicular Trajectory Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 4541-4552.	4.7	69
69	An Optimized Algorithm for Dangerous Driving Behavior Identification Based on Unbalanced Data. <i>Electronics (Switzerland)</i> , 2022, 11, 1557.	1.8	5
70	Developing a More Reliable Aerial Photography-Based Method for Acquiring Freeway Traffic Data. <i>Remote Sensing</i> , 2022, 14, 2202.	1.8	13
71	Tunnel Traffic Evolution during Capacity Drop Based on High-Resolution Vehicle Trajectory Data. <i>Algorithms</i> , 2022, 15, 240.	1.2	4
72	Empirical Analysis of Vehicle Tracking Algorithms for Extracting Integral Trajectories from Consecutive Videos. <i>Promet - Traffic - Traffico</i> , 2022, 34, .	0.3	0

#	ARTICLE	IF	CITATIONS
73	Addressing robust travel mode identification with individual tripâ€chain trajectory noise reduction. IET Intelligent Transport Systems, 0, , .	1.7	0
74	Automatic Roadside Feature Detection Based on Lidar Road Cross Section Images. Sensors, 2022, 22, 5510.	2.1	4
75	An Integrated Traffic and Vehicle Co-Simulation Testing Framework for Connected and Autonomous Vehicles. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 26-40.	2.6	10
76	Optimized Path Planning Strategy to Enhance Security under Swarm of Unmanned Aerial Vehicles. Drones, 2022, 6, 336.	2.7	3
77	Traffic Analysis Through Deep-Learning-Based Image Segmentation From UAV Streaming. IEEE Internet of Things Journal, 2023, 10, 6059-6073.	5.5	3
78	Visual extensions and anomaly detection in the pNEUMA experiment with a swarm of drones. Transportation Research Part C: Emerging Technologies, 2023, 147, 103966.	3.9	7
79	Enhanced index of risk assessment of lane change on expressway weaving segments: A case study of an expressway in China. Accident Analysis and Prevention, 2023, 180, 106909.	3.0	5
80	Serialized Recommendation Prediction for Steering Point Behavior of Intelligent Transportation Vehicles Based on Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-9.	4.7	1
81	A New Type of Unmanned Aerial Vehicle Visualization Application Algorithm: Pesticides are Effectively Used When Spraying. , 2022, , .		0
82	Analysis of lane-changing conflict between cars and trucks at freeway merging sections using UAV video data. Journal of Transportation Safety and Security, 2023, 15, 943-961.	1.1	3
83	A data-driven method for flight time estimation based on air traffic pattern identification and prediction. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 0, , 1-20.	2.6	0
84	Review on Deep Learning Approaches for Anomaly Event Detection in Video Surveillance. Electronics (Switzerland), 2023, 12, 29.	1.8	17
85	Adaptive physics-informed trajectory reconstruction exploiting driver behavior and car dynamics. Scientific Reports, 2023, 13, .	1.6	4
86	A flexible approach to select road traffic counting locations: System design and application of a fuzzy Delphi analytic hierarchy process. Transportation Engineering, 2023, 12, 100167.	2.3	2
87	A Novel Intelligent Detection Algorithm of Aids to Navigation Based on Improved YOLOv4. Journal of Marine Science and Engineering, 2023, 11, 452.	1.2	4
90	Transportation data and sensing. , 2023, , 9-24.		0
91	Multi-ride Fusion for Rail Digital Map Construction. , 2023, , .		0
95	Approximating Discontinuous Nash Equilibrial Values of Two-Player General-Sum Differential Games. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
104	Lane Change Trajectory Prediction Based on Chinese Highway Ramp Scenarios. , 2023, , .		0
111	Road Traffic Prediction based on Multi-Feature BP Neural Networks. , 2023, , .		0
112	Identifying Vehicle Interaction at Urban Intersections: A Comparison of Proximity Resistance, Time-to-Collision, and Post-Encroachment-Time. , 2023, , .		0