

Xinkai Wu

List of Publications by Year in descending order

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36
papers

1,826
citations

394390

19
h-index

395678

33
g-index

37
all docs

37
docs citations

37
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric vehicles' energy consumption measurement and estimation. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 34, 52-67.	6.8	331
2	Real-time queue length estimation for congested signalized intersections. <i>Transportation Research Part C: Emerging Technologies</i> , 2009, 17, 412-427.	7.6	300
3	Energy-Optimal Speed Control for Electric Vehicles on Signalized Arterials. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015, 16, 2786-2796.	8.0	148
4	Using an ARIMA-GARCH Modeling Approach to Improve Subway Short-Term Ridership Forecasting Accounting for Dynamic Volatility. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1054-1064.	8.0	99
5	A Hybrid Vehicle Detection Method Based on Viola-Jones and HOG + SVM from UAV Images. <i>Sensors</i> , 2016, 16, 1325.	3.8	91
6	A shockwave profile model for traffic flow on congested urban arterials. <i>Transportation Research Part B: Methodological</i> , 2011, 45, 1768-1786.	5.9	88
7	Eco-driving advisory strategies for a platoon of mixed gasoline and electric vehicles in a connected vehicle system. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 63, 907-922.	6.8	81
8	Pedestrian Detection and Tracking from Low-Resolution Unmanned Aerial Vehicle Thermal Imagery. <i>Sensors</i> , 2016, 16, 446.	3.8	77
9	A gradient boosting logit model to investigate driver's stop-or-run behavior at signalized intersections using high-resolution traffic data. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 72, 225-238.	7.6	77
10	An Enhanced Viola-Jones Vehicle Detection Method From Unmanned Aerial Vehicles Imagery. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 1845-1856.	8.0	75
11	An eco-driving system for electric vehicles with signal control under V2X environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 335-350.	7.6	66
12	Examining influential factors on the energy consumption of electric and diesel buses: A data-driven analysis of large-scale public transit network in Beijing. <i>Energy</i> , 2021, 216, 119196.	8.8	53
13	Efficient Rail Area Detection Using Convolutional Neural Network. <i>IEEE Access</i> , 2018, 6, 77656-77664.	4.2	41
14	The allocation problem of electric car-sharing system: A data-driven approach. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 78, 102192.	6.8	39
15	Linear and nonlinear stability analysis of a car-following model considering velocity difference of two adjacent lanes. <i>Nonlinear Dynamics</i> , 2016, 84, 387-397.	5.2	28
16	Estimation of red-light running frequency using high-resolution traffic and signal data. <i>Accident Analysis and Prevention</i> , 2017, 102, 235-247.	5.7	28
17	Collaborative control of traffic signal and variable guiding lane for isolated intersection under connected and automated vehicle environment. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 2052-2069.	9.8	28
18	Influential factors of red-light running at signalized intersection and prediction using a rare events logistic regression model. <i>Accident Analysis and Prevention</i> , 2016, 95, 266-273.	5.7	26

#	ARTICLE	IF	CITATIONS
19	Analysis of yellow-light running at signalized intersections using high-resolution traffic data. Transportation Research, Part A: Policy and Practice, 2015, 73, 39-52.	4.2	22
20	Investigating the Effects of Attack Detection for In-Vehicle Networks Based on Clock Drift of ECUs. IEEE Access, 2018, 6, 49375-49384.	4.2	19
21	A Train Positioning Method Based-On Vision and Millimeter-Wave Radar Data Fusion. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4603-4613.	8.0	17
22	Spreading Patterns of Malicious Information on Single-Lane Platooned Traffic in a Connected Environment. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 248-265.	9.8	16
23	A Wireless Charging Facilities Deployment Problem Considering Optimal Traffic Delay and Energy Consumption on Signalized Arterial. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4427-4438.	8.0	16
24	Vehicle Re-Identification With Image Processing and Car-Following Model Using Multiple Surveillance Cameras From Urban Arterials. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7619-7630.	8.0	14
25	A Two-Stage Method for Target Searching in the Path Planning for Mobile Robots. Sensors, 2020, 20, 6919.	3.8	9
26	Modeling Arterial Traffic Dynamics With Actuated Signal Control Using a Simplified Shockwave Model. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4659-4669.	8.0	6
27	Linear and nonlinear stability analysis of an extended car-following model considering pedestrians on adjacent lane. Nonlinear Dynamics, 2017, 88, 777-789.	5.2	5
28	A Dynamic Part-Attention Model for Person Re-Identification. Sensors, 2019, 19, 2080.	3.8	5
29	A Mixed-Integer Program (MIP) for One-Way Multiple-Type Shared Electric Vehicles Allocation With Uncertain Demand. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8972-8984.	8.0	5
30	DevNet: Deviation Aware Network for Lane Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17584-17593.	8.0	4
31	Remote object navigation for service robots using hierarchical knowledge graph in human-centered environments. Intelligent Service Robotics, 2022, 15, 459-473.	2.6	3
32	An efficient matching method for dispatching autonomous vehicles*. , 2019, , .		2
33	Characterizing Connected and Automated Vehicle Platooning Vulnerability under Periodic Perturbation. , 2021, , .		2
34	Task and intelligent path planning algorithm for teams of AGVs based on multi-stage method. , 2021, , .		2
35	An Efficient Solving Method to Vehicle and Passenger Matching Problem for Sharing Autonomous Vehicle System. Journal of Advanced Transportation, 2020, 2020, 1-12.	1.7	1
36	Formulating Connected Automated Vehicle Dynamics under Cyberattacks Based on the Spring-Mass System. , 2021, , .		1