Zhihong Yao

List of Publications by Year
in descending order

39	921	566801 15	476904 29
papers	citations	h-index	g-index

39	39	39	584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrated Schedule and Trajectory Optimization for Connected Automated Vehicles in a Conflict Zone. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1841-1851.	4.7	62
2	Fuel Consumption and Traffic Emissions Evaluation of Mixed Traffic Flow with Connected Automated Vehicles at Multiple Traffic Scenarios. Journal of Advanced Transportation, 2022, 2022, 1-14.	0.9	6
3	Analysis of linear internal stability for mixed traffic flow of connected and automated vehicles considering multiple influencing factors. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127211.	1.2	12
4	Variable Cell Transmission Model for Mixed Traffic Flow with Connected Automated Vehicles and Human-Driven Vehicles. Journal of Advanced Transportation, 2022, 2022, 1-15.	0.9	3
5	A new queue shock wave theory based on platoon dispersion modeling. Physica A: Statistical Mechanics and Its Applications, 2022, , 127725.	1.2	0
6	CTM-based traffic signal optimization of mixed traffic flow with connected automated vehicles and human-driven vehicles. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127708.	1.2	10
7	Modeling and Simulation of Traffic Congestion for Mixed Traffic Flow with Connected Automated Vehicles: A Cell Transmission Model Approach. Journal of Advanced Transportation, 2022, 2022, 1-20.	0.9	5
8	Fundamental diagram and stability of mixed traffic flow considering platoon size and intensity of connected automated vehicles. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127857.	1.2	26
9	Linear stability analysis of heterogeneous traffic flow considering degradations of connected automated vehicles and reaction time. Physica A: Statistical Mechanics and Its Applications, 2021, 561, 125218.	1.2	100
10	The Release of Endogenous Nitrogen and Phosphorus in the Danjiangkou Reservoir: A Double-Membrane Diffusion Model Analysis. Journal of Sensors, 2021, 2021, 1-11.	0.6	0
11	Analysis of Land Use Changes and Driving Forces in the Yanhe River Basin from 1980 to 2015. Journal of Sensors, 2021, 2021, 1-11.	0.6	17
12	A Two-Level Model for Traffic Signal Timing and Trajectories Planning of Multiple CAVs in a Random Environment. Journal of Advanced Transportation, 2021, 2021, 1-13.	0.9	12
13	Spatial-Temporal Simulations of Soil Moisture Content in a Large Basin of the Loess Plateau, China. Journal of Sensors, 2021, 2021, 1-11.	0.6	1
14	Kalman Filtering Method for Real-Time Queue Length Estimation in a Connected Vehicle Environment. Transportation Research Record, 2021, 2675, 578-589.	1.0	7
15	Fuel consumption and transportation emissions evaluation of mixed traffic flow with connected automated vehicles and human-driven vehicles on expressway. Energy, 2021, 230, 120766.	4.5	64
16	A cellular automata model for mixed traffic flow considering the driving behavior of connected automated vehicle platoons. Physica A: Statistical Mechanics and Its Applications, 2021, 582, 126262.	1.2	69
17	A Dynamic Predictive Traffic Signal Control Framework in a Cross-Sectional Vehicle Infrastructure Integration Environment. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1455-1466.	4.7	49
18	A dynamic optimization method for adaptive signal control in a connected vehicle environment. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 184-200.	2.6	56

#	Article	IF	Citations
19	Evaluating satellite-based and reanalysis precipitation datasets with gauge-observed data and hydrological modeling in the Xihe River Basin, China. Atmospheric Research, 2020, 234, 104746.	1.8	57
20	An efficient heterogeneous platoon dispersion model for real-time traffic signal control. Physica A: Statistical Mechanics and Its Applications, 2020, 539, 122982.	1.2	11
21	A New Vehicle Arrival Prediction Model for Adaptive Signal Control in a Connected Vehicle Environment. IEEE Access, 2020, 8, 112104-112112.	2.6	10
22	Stability and safety evaluation of mixed traffic flow with connected automated vehicles on expressways. Journal of Safety Research, 2020, 75, 262-274.	1.7	66
23	Effects of different levels of TGF-Î² expression and tumor cell necrosis rates in osteosarcoma on the chemotherapy resistance of osteosarcoma. Journal of Bone Oncology, 2020, 23, 100299.	1.0	7
24	Metabolism and disposition of corylifol A from Psoralea corylifolia: metabolite mapping, isozyme contribution, species differences and identification of efflux transporters for corylifol A-O-glucuronide in HeLa1A1 cells. Xenobiotica, 2020, 50, 997-1008.	0.5	7
25	Reducing gasoline consumption in mixed connected automated vehicles environment: A joint optimization framework for traffic signals and vehicle trajectory. Journal of Cleaner Production, 2020, 265, 121836.	4.6	42
26	Stability analysis and the fundamental diagram for mixed connected automated and human-driven vehicles. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 121931.	1.2	85
27	Mechanism of the efflux transport of demethoxycurcumin-O-glucuronides in HeLa cells stably transfected with UDP-glucuronosyltransferase 1A1. PLoS ONE, 2019, 14, e0217695.	1.1	4
28	A Two-Level Rolling Optimization Model for Real-time Adaptive Signal Control. Algorithms, 2019, 12, 38.	1.2	3
29	Development of Dynamic Platoon Dispersion Models for Predictive Traffic Signal Control. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 431-440.	4.7	35
30	Dynamic platoon dispersion model based on realâ€time link travel time. IET Intelligent Transport Systems, 2019, 13, 1694-1700.	1.7	4
31	High-Resolution Traffic Flow Prediction Model Based on Deep Learning. Journal of Computer Science Research, 2019, 1, .	0.3	1
32	Chemical inhibition and stable knock-down of efflux transporters leads to reduced glucuronidation of wushanicaritin in UGT1A1-overexpressing HeLa cells: the role of breast cancer resistance protein (BCRP) and multidrug resistance-associated proteins (MRPs) in the excretion of glucuronides. Food and Function, 2018, 9, 1410-1423.	2.1	16
33	Glucuronidation of icaritin by human liver microsomes, human intestine microsomes and expressed UDP-glucuronosyltransferase enzymes: identification of UGT1A3, 1A9 and 2B7 as the main contributing enzymes. Xenobiotica, 2018, 48, 357-367.	0.5	26
34	The roles of breast cancer resistance protein (BCRP/ABCG2) and multidrug resistance-associated proteins (MRPs/ABCCs) in the excretion of cycloicaritin-3-O-glucoronide in UGT1A1-overexpressing HeLa cells. Chemico-Biological Interactions, 2018, 296, 45-56.	1.7	11
35	Efflux excretion of bisdemethoxycurcuminâ€Oâ€glucuronide in UGT1A1â€overexpressing HeLa cells: Identification of breast cancer resistance protein (BCRP) and multidrug resistanceâ€associated proteins 1 (MRP1) as the glucuronide transporters. BioFactors, 2018, 44, 558-569.	2.6	8
36	Freeway incident duration prediction using Bayesian network. , 2017, , .		5

#	Article	IF	Citations
37	Designing Limited-Stop Transit Service with Fixed Fleet Size in Peak Hours by Exploiting Transit Data. Transportation Research Record, 2017, 2647, 134-141.	1.0	0
38	In Vitro Glucuronidation of Wushanicaritin by Liver Microsomes, Intestine Microsomes and Expressed Human UDP-Glucuronosyltransferase Enzymes. International Journal of Molecular Sciences, 2017, 18, 1983.	1.8	15
39	Heterogeneous platoon flow dispersion model based on truncated mixed simplified phaseâ€type distribution of travel speed. Journal of Advanced Transportation, 2016, 50, 2160-2173.	0.9	9