

Zhihong Yao

List of Publications by Year in descending order

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39
papers

921
citations

567281
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477307
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docs citations

39
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear stability analysis of heterogeneous traffic flow considering degradations of connected automated vehicles and reaction time. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 561, 125218.	2.6	100
2	Stability analysis and the fundamental diagram for mixed connected automated and human-driven vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 121931.	2.6	85
3	A cellular automata model for mixed traffic flow considering the driving behavior of connected automated vehicle platoons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 582, 126262.	2.6	69
4	Stability and safety evaluation of mixed traffic flow with connected automated vehicles on expressways. <i>Journal of Safety Research</i> , 2020, 75, 262-274.	3.6	66
5	Fuel consumption and transportation emissions evaluation of mixed traffic flow with connected automated vehicles and human-driven vehicles on expressway. <i>Energy</i> , 2021, 230, 120766.	8.8	64
6	Integrated Schedule and Trajectory Optimization for Connected Automated Vehicles in a Conflict Zone. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1841-1851.	8.0	62
7	Evaluating satellite-based and reanalysis precipitation datasets with gauge-observed data and hydrological modeling in the Xihe River Basin, China. <i>Atmospheric Research</i> , 2020, 234, 104746.	4.1	57
8	A dynamic optimization method for adaptive signal control in a connected vehicle environment. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 184-200.	4.2	56
9	A Dynamic Predictive Traffic Signal Control Framework in a Cross-Sectional Vehicle Infrastructure Integration Environment. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 1455-1466.	8.0	49
10	Reducing gasoline consumption in mixed connected automated vehicles environment: A joint optimization framework for traffic signals and vehicle trajectory. <i>Journal of Cleaner Production</i> , 2020, 265, 121836.	9.3	42
11	Development of Dynamic Platoon Dispersion Models for Predictive Traffic Signal Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019, 20, 431-440.	8.0	35
12	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. <i>Xenobiotica</i> , 2018, 48, 357-367.	1.1	26
13	Fundamental diagram and stability of mixed traffic flow considering platoon size and intensity of connected automated vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 604, 127857.	2.6	26
14	Analysis of Land Use Changes and Driving Forces in the Yanhe River Basin from 1980 to 2015. <i>Journal of Sensors</i> , 2021, 2021, 1-11.	1.1	17
15	Chemical inhibition and stable knock-down of efflux transporters leads to reduced glucuronidation of wushanacaritin in UGT1A1-overexpressing HeLa cells: the role of breast cancer resistance protein (BCRP) and multidrug resistance-associated proteins (MRPs) in the excretion of glucuronides. <i>Food and Function</i> , 2018, 9, 1410-1423.	4.6	16
16	In Vitro Glucuronidation of Wushanacaritin by Liver Microsomes, Intestine Microsomes and Expressed Human UDP-Glucuronosyltransferase Enzymes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1983.	4.1	15
17	A Two-Level Model for Traffic Signal Timing and Trajectories Planning of Multiple CAVs in a Random Environment. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-13.	1.7	12
18	Analysis of linear internal stability for mixed traffic flow of connected and automated vehicles considering multiple influencing factors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127211.	2.6	12

#	ARTICLE	IF	CITATIONS
19	The roles of breast cancer resistance protein (BCRP/ABCG2) and multidrug resistance-associated proteins (MRPs/ABCCs) in the excretion of cycloicarin-3-O-glucuronide in UGT1A1-overexpressing HeLa cells. <i>Chemico-Biological Interactions</i> , 2018, 296, 45-56.	4.0	11
20	An efficient heterogeneous platoon dispersion model for real-time traffic signal control. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 539, 122982.	2.6	11
21	A New Vehicle Arrival Prediction Model for Adaptive Signal Control in a Connected Vehicle Environment. <i>IEEE Access</i> , 2020, 8, 112104-112112.	4.2	10
22	CTM-based traffic signal optimization of mixed traffic flow with connected automated vehicles and human-driven vehicles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 603, 127708.	2.6	10
23	Heterogeneous platoon flow dispersion model based on truncated mixed simplified phase-type distribution of travel speed. <i>Journal of Advanced Transportation</i> , 2016, 50, 2160-2173.	1.7	9
24	Efflux excretion of bisdemethoxycurcumin-O-glucuronide in UGT1A1-overexpressing HeLa cells: Identification of breast cancer resistance protein (BCRP) and multidrug resistance-associated proteins 1 (MRP1) as the glucuronide transporters. <i>BioFactors</i> , 2018, 44, 558-569.	5.4	8
25	Effects of different levels of TGF- β 2 expression and tumor cell necrosis rates in osteosarcoma on the chemotherapy resistance of osteosarcoma. <i>Journal of Bone Oncology</i> , 2020, 23, 100299.	2.4	7
26	Metabolism and disposition of corylifol A from <i>Psoralea corylifolia</i> : metabolite mapping, isozyme contribution, species differences and identification of efflux transporters for corylifol A-O-glucuronide in HeLa1A1 cells. <i>Xenobiotica</i> , 2020, 50, 997-1008.	1.1	7
27	Kalman Filtering Method for Real-Time Queue Length Estimation in a Connected Vehicle Environment. <i>Transportation Research Record</i> , 2021, 2675, 578-589.	1.9	7
28	Fuel Consumption and Traffic Emissions Evaluation of Mixed Traffic Flow with Connected Automated Vehicles at Multiple Traffic Scenarios. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-14.	1.7	6
29	Freeway incident duration prediction using Bayesian network. , 2017, , .		5
30	Modeling and Simulation of Traffic Congestion for Mixed Traffic Flow with Connected Automated Vehicles: A Cell Transmission Model Approach. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-20.	1.7	5
31	Mechanism of the efflux transport of demethoxycurcumin-O-glucuronides in HeLa cells stably transfected with UDP-glucuronosyltransferase 1A1. <i>PLoS ONE</i> , 2019, 14, e0217695.	2.5	4
32	Dynamic platoon dispersion model based on real-time link travel time. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1694-1700.	3.0	4
33	A Two-Level Rolling Optimization Model for Real-time Adaptive Signal Control. <i>Algorithms</i> , 2019, 12, 38.	2.1	3
34	Variable Cell Transmission Model for Mixed Traffic Flow with Connected Automated Vehicles and Human-Driven Vehicles. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-15.	1.7	3
35	Spatial-Temporal Simulations of Soil Moisture Content in a Large Basin of the Loess Plateau, China. <i>Journal of Sensors</i> , 2021, 2021, 1-11.	1.1	1
36	High-Resolution Traffic Flow Prediction Model Based on Deep Learning. <i>Journal of Computer Science Research</i> , 2019, 1, .	0.4	1

#	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.	1.9	0
38	The Release of Endogenous Nitrogen and Phosphorus in the Danjiangkou Reservoir: A Double-Membrane Diffusion Model Analysis. Journal of Sensors, 2021, 2021, 1-11.	1.1	0
39	A new queue shock wave theory based on platoon dispersion modeling. Physica A: Statistical Mechanics and Its Applications, 2022, , 127725.	2.6	0