

Xiaoguang Yang

List of Publications by Year in descending order

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64
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64
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of the Self-Adaptive Traffic Signal Control System Based on Future Traffic Environment. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-12.	0.9	81
2	A Dynamic Programming Approach for Optimal Signal Priority Control Upon Multiple High-Frequency Bus Requests. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2013, 17, 282-293.	2.6	72
3	A New Traffic-Signal Control for Modern Roundabouts: Method and Application. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2004, 5, 282-287.	4.7	63
4	Short-term travel time prediction by deep learning: A comparison of different LSTM-DNN models. , 2017, , .		52
5	Impact of in-vehicle navigation information on lane-change behavior in urban expressway diverge segments. <i>Accident Analysis and Prevention</i> , 2017, 106, 53-66.	3.0	50
6	Driving simulator evaluation of drivers' response to intersections with dynamic use of exit-lanes for left-turn. <i>Accident Analysis and Prevention</i> , 2015, 81, 107-119.	3.0	41
7	Integrated design and operation of urban arterials with reversible lanes. <i>Transportmetrica B</i> , 2014, 2, 130-150.	1.4	35
8	A chiral stationary phase coated by surface molecularly imprinted polymer for separating 1,1'-binaphthalene-2,2'-diamine enantiomer by high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1376, 172-176.	1.8	26
9	Electrochemical co-reduction of Y(III) and Zn(II) and extraction of yttrium on Zn electrode in LiCl-KCl eutectic melts. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2435-2444.	1.2	24
10	Household, Personal and Environmental Correlates of Rural Elderly's Cycling Activity: Evidence from Zhongshan Metropolitan Area, China. <i>Sustainability</i> , 2014, 6, 3599-3614.	1.6	22
11	Locating Urban Transit Hubs: Multicriteria Model and Case Study in China. <i>Journal of Transportation Engineering</i> , 2011, 137, 944-952.	0.9	21
12	Design and Implementation of an Emergency Vehicle Signal Preemption System Based on Cooperative Vehicle-Infrastructure Technology. <i>Advances in Mechanical Engineering</i> , 2013, 5, 834976.	0.8	21
13	Robust Optimal Lane Allocation for Isolated Intersections. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 72-86.	6.3	17
14	Electrolytic extraction of dysprosium and thermodynamic evaluation of Cu-Dy intermetallic compound in eutectic LiCl-KCl. <i>RSC Advances</i> , 2018, 8, 8118-8129.	1.7	17
15	Efficiency measurement of bus routes and exogenous operating environment effects on efficiency. <i>Transportation Planning and Technology</i> , 2016, 39, 464-483.	0.9	16
16	Electrochemical formation and thermodynamic properties of Tb-Bi intermetallic compounds in eutectic LiCl-KCl. <i>RSC Advances</i> , 2017, 7, 31682-31690.	1.7	15
17	Co-delivery of hydrophilic gemcitabine and hydrophobic paclitaxel into novel polymeric micelles for cancer treatment. <i>RSC Advances</i> , 2017, 7, 24030-24039.	1.7	15
18	Vehicle Re-identification for Lane-level Travel Time Estimations on Congested Urban Road Networks Using Video Images. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 12877-12893.	4.7	15

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19	The kinetics process of a Pb(LiCl-KCl)/Pb(0) couple and selective fabrication of Li-Pb alloys in LiCl-KCl melts. RSC Advances, 2018, 8, 30530-30538.	1.7	14
20	Prediction of Daily Entrance and Exit Passenger Flow of Rail Transit Stations by Deep Learning Method. Journal of Advanced Transportation, 2018, 2018, 1-11.	0.9	14
21	Short-term Prediction of Bike-sharing Usage Considering Public Transport: A LSTM Approach. , 2018, , .		13
22	Estimation of urban route travel time distribution using Markov chains and pair-copula construction. Transportmetrica B, 2019, 7, 1521-1552.	1.4	12
23	Comparative analysis of shale pore size characterization methods. Petroleum Science and Technology, 2020, 38, 793-799.	0.7	12
24	Electrode reaction of Pr(III) and coreduction of Pr(III) and Pb(II) on W electrode in eutectic LiCl-KCl. Ionics, 2020, 26, 3901-3909.	1.2	10
25	Who Will Use Pre-Trip Traveler Information and How Will They Respond? Insights from Zhongshan Metropolitan Area, China. Sustainability, 2015, 7, 5857-5874.	1.6	9
26	Traffic Data Collection System Based on Floating Cars and its Application in Shanghai. , 2007, , .		8
27	Evaluation and Application of Urban Traffic Signal Optimizing Control Strategy Based on Reinforcement Learning. Journal of Advanced Transportation, 2018, 2018, 1-9.	0.9	8
28	Extracting Origin-Destination with Vehicle Trajectory Data and Applying to Coordinated Ramp Metering. Journal of Advanced Transportation, 2019, 2019, 1-15.	0.9	8
29	Electrochemical Co-reduction of Bi(III) and Y(III) and Extracting Yttrium from Molten LiCl-KCl Using Liquid Bi as Cathode. Chemical Research in Chinese Universities, 2019, 35, 60-64.	1.3	7
30	Integrated Optimization of Traffic Signals and Vehicle Trajectories at Intersection With the Consideration of Safety During Signal Change. IEEE Access, 2020, 8, 170732-170741.	2.6	7
31	Feedback perimeter control with online estimation of maximum throughput for an incident-affected road network. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 81-99.	2.6	6
32	Development of Urban Road Network Traffic State Dynamic Estimation Method. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	5
33	Electrochemical behaviour of magnesium(II) on Ni electrode in LiCl-KCl eutectic. Chemical Research in Chinese Universities, 2018, 34, 107-112.	1.3	5
34	Impact of curbside bus stop locations on mixed traffic dynamics: a bus route perspective. Transportmetrica A: Transport Science, 2019, 15, 1419-1439.	1.3	5
35	Continuous and Discrete Analysis of Local Stability for Car-Following Model With Speed-Based Desired-Headway. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5374-5386.	4.7	5
36	Optimization based trajectory planner for multilane roundabouts with connected automation. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 411-422.	2.6	5

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37	Block Mechanism of Left-turned Flow at Signal-Controlled Roundabout. , 2009, , .		4
38	Signal Coordination Models for Midblock Pedestrian Crossing and Adjacent Intersections. , 2009, , .		3
39	Tendency-Based Approach for Link Travel Time Estimation. Journal of Transportation Engineering, 2013, 139, 350-357.	0.9	3
40	A schedule-based coordinated optimization model for Transit Signal Priority under Connected Vehicle environment. , 2014, , .		3
41	A two-way bandwidth maximization model for green-wave optimization control of transit priority. , 2016, , .		3
42	Empirical Approximation for the Stochastic Fundamental Diagram of Traffic Flow on Signalized Intersection. Journal of Advanced Transportation, 2018, 2018, 1-17.	0.9	3
43	A method of traffic signal control for modern roundabout. , 0, , .		2
44	Using CVIS to process the concurrent signal priority requirements: A cooperative optimization model and its hardware-in-the-loop field tests. , 2014, , .		2
45	Cost-efficiency of buses using stochastic frontier analysis. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 185-193.	0.3	2
46	Design and Management of Multi-functional Exclusive Lane for the Integrated Service to Various Vehicles with Priority. KSCE Journal of Civil Engineering, 2022, 26, 882-892.	0.9	2
47	To What Extent May Transit Stop Spacing Be Increased before Driving Away Riders? Referring to Evidence of the 2017 NHTS in the United States. Sustainability, 2022, 14, 6148.	1.6	2
48	Urban road interchange type selection based on Multiple Attributes Decision Making. , 2007, , .		1
49	The Analysis of Stop Line Arrangement for At-Grade Intersection. , 2008, , .		1
50	Development and Evaluation of a Fuzzy Logic Control Approach for Pedestrian Crossing. , 2008, , .		1
51	Efficient organization study of local tourism transportation mode based on analytic hierarchy process. , 2014, , .		1
52	Segment Importance Ranking Approach for Traffic Networks Based on Macroscopic Fundamental Diagram. , 2019, , .		1
53	Identification method and distribution of palaeovolcanoes in Mulei Depression in the Junggar Basin, Western China. Geological Journal, 2020, 55, 3977-3989.	0.6	1
54	Integrated Control Method for On-Ramp and Correlated Intersection. , 2007, , .		0

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55	Notice of Retraction: Transportation Demand Management in China: Research and Practice of Staggered Work Hours, Congestion Pricing and High Occupancy Vehicle Lanes. , 2009, , .		0
56	Using CVIS to Improve Bus Schedule Adherence: A Predictive Control Strategy and Its Hardware-in-the-Loop Field Tests. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.5	0
57	Regression-based approach for bus trajectory estimation. , 2013, , .		0
58	A new capacity computing model of bus stop at upstream signalized intersection in peak. , 2014, , .		0
59	A dynamic method to monitor public transport based on smart card and GPS Data. , 2014, , .		0
60	Evaluation of continuous traffic flow running rules with psychological factors of drivers and automated driving environment. , 2017, , .		0
61	A bandwidth maximization model for coordinated tramcar signal priority control alone arteriaais. , 2017, , .		0
62	Screening of Sensitive Items on Gross Motor Development in Toddlers Aged 24–36 Months and Analysis of the Factors Influencing the Passing Rate. Children, 2020, 7, 226.	0.6	0
63	Incorporating Weather Effects in Traffic Flow Analysis. , 2020, , .		0
64	Research on Passenger Searching for Autonomous Taxis Based on Self-Learning Algorithm. , 2021, , .		0