

# Xiaoguang Yang

## List of Publications by Year in descending order

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64  
papers

791  
citations

567281

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580821

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64  
docs citations

64  
times ranked

789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization based trajectory planner for multilane roundabouts with connected automation. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2023, 27, 411-422.	4.2	5
2	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.	4.2	6
3	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.	8.0	5
4	Vehicle Re-identification for Lane-level Travel Time Estimations on Congested Urban Road Networks Using Video Images. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12877-12893.	8.0	15
5	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.	1.9	2
6	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.	3.2	2
7	Research on Passenger Searching for Autonomous Taxis Based on Self-Learning Algorithm. , 2021, , .		0
8	Identification method and distribution of palaeovolcanoes in Mulei Depression in the Junggar Basin, Western China. Geological Journal, 2020, 55, 3977-3989.	1.3	1
9	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.	1.5	0
10	Integrated Optimization of Traffic Signals and Vehicle Trajectories at Intersection With the Consideration of Safety During Signal Change. IEEE Access, 2020, 8, 170732-170741.	4.2	7
11	Comparative analysis of shale pore size characterization methods. Petroleum Science and Technology, 2020, 38, 793-799.	1.5	12
12	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.	2.4	10
13	Incorporating Weather Effects in Traffic Flow Analysis. , 2020, , .		0
14	Estimation of urban route travel time distribution using Markov chains and pair-copula construction. Transportmetrica B, 2019, 7, 1521-1552.	2.3	12
15	Extracting Origin-Destination with Vehicle Trajectory Data and Applying to Coordinated Ramp Metering. Journal of Advanced Transportation, 2019, 2019, 1-15.	1.7	8
16	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.	2.6	7
17	Impact of curbside bus stop locations on mixed traffic dynamics: a bus route perspective. Transportmetrica A: Transport Science, 2019, 15, 1419-1439.	2.0	5
18	Segment Importance Ranking Approach for Traffic Networks Based on Macroscopic Fundamental Diagram. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Electrolytic extraction of dysprosium and thermodynamic evaluation of Cu–Dy intermetallic compound in eutectic LiCl–KCl. RSC Advances, 2018, 8, 8118-8129.	3.6	17
20	Electrochemical co-reduction of Y(III) and Zn(II) and extraction of yttrium on Zn electrode in LiCl-KCl eutectic melts. Journal of Solid State Electrochemistry, 2018, 22, 2435-2444.	2.5	24
21	Electrochemical behaviour of magnesium(II) on Ni electrode in LiCl-KCl eutectic. Chemical Research in Chinese Universities, 2018, 34, 107-112.	2.6	5
22	Empirical Approximation for the Stochastic Fundamental Diagram of Traffic Flow on Signalized Intersection. Journal of Advanced Transportation, 2018, 2018, 1-17.	1.7	3
23	Evaluation and Application of Urban Traffic Signal Optimizing Control Strategy Based on Reinforcement Learning. Journal of Advanced Transportation, 2018, 2018, 1-9.	1.7	8
24	Short-term Prediction of Bike-sharing Usage Considering Public Transport: A LSTM Approach. , 2018, , .		13
25	The kinetics process of a Pb(II)/Pb(0) couple and selective fabrication of Li–Pb alloys in LiCl–KCl melts. RSC Advances, 2018, 8, 30530-30538.	3.6	14
26	Prediction of Daily Entrance and Exit Passenger Flow of Rail Transit Stations by Deep Learning Method. Journal of Advanced Transportation, 2018, 2018, 1-11.	1.7	14
27	A Review of the Self-Adaptive Traffic Signal Control System Based on Future Traffic Environment. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	81
28	Cost-efficiency of buses using stochastic frontier analysis. Proceedings of the Institution of Civil Engineers: Transport, 2017, 170, 185-193.	0.6	2
29	Robust Optimal Lane Allocation for Isolated Intersections. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 72-86.	9.8	17
30	Impact of in-vehicle navigation information on lane-change behavior in urban expressway diverge segments. Accident Analysis and Prevention, 2017, 106, 53-66.	5.7	50
31	Electrochemical formation and thermodynamic properties of Tb–Bi intermetallic compounds in eutectic LiCl–KCl. RSC Advances, 2017, 7, 31682-31690.	3.6	15
32	Co-delivery of hydrophilic gemcitabine and hydrophobic paclitaxel into novel polymeric micelles for cancer treatment. RSC Advances, 2017, 7, 24030-24039.	3.6	15
33	Evaluation of continuous traffic flow running rules with psychological factors of drivers and automated driving environment. , 2017, , .		0
34	A bandwidth maximization model for coordinated tramcar signal priority control alone arteriaals. , 2017, , .		0
35	Short-term travel time prediction by deep learning: A comparison of different LSTM-DNN models. , 2017, , .		52
36	A two-way bandwidth maximization model for green-wave optimization control of transit priority. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
37	Efficiency measurement of bus routes and exogenous operating environment effects on efficiency. Transportation Planning and Technology, 2016, 39, 464-483.	2.0	16
38	Who Will Use Pre-Trip Traveler Information and How Will They Respond? Insights from Zhongshan Metropolitan Area, China. Sustainability, 2015, 7, 5857-5874.	3.2	9
39	Development of Urban Road Network Traffic State Dynamic Estimation Method. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	5
40	Driving simulator evaluation of drivers' response to intersections with dynamic use of exit-lanes for left-turn. Accident Analysis and Prevention, 2015, 81, 107-119.	5.7	41
41	A chiral stationary phase coated by surface molecularly imprinted polymer for separating 1,1'-binaphthalene-2,2'-diamine enantiomer by high performance liquid chromatography. Journal of Chromatography A, 2015, 1376, 172-176.	3.7	26
42	Household, Personal and Environmental Correlates of Rural Elderly's Cycling Activity: Evidence from Zhongshan Metropolitan Area, China. Sustainability, 2014, 6, 3599-3614.	3.2	22
43	A new capacity computing model of bus stop at upstream signalized intersection in peak. , 2014, , .		0
44	A dynamic method to monitor public transport based on smart card and GPS Data. , 2014, , .		0
45	Integrated design and operation of urban arterials with reversible lanes. Transportmetrica B, 2014, 2, 130-150.	2.3	35
46	Using CVIS to process the concurrent signal priority requirements: A cooperative optimization model and its hardware-in-the-loop field tests. , 2014, , .		2
47	A schedule-based coordinated optimization model for Transit Signal Priority under Connected Vehicle environment. , 2014, , .		3
48	Efficient organization study of local tourism transportation mode based on analytic hierarchy process. , 2014, , .		1
49	A Dynamic Programming Approach for Optimal Signal Priority Control Upon Multiple High-Frequency Bus Requests. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2013, 17, 282-293.	4.2	72
50	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.	0.9	0
51	Tendency-Based Approach for Link Travel Time Estimation. Journal of Transportation Engineering, 2013, 139, 350-357.	0.9	3
52	Regression-based approach for bus trajectory estimation. , 2013, , .		0
53	Design and Implementation of an Emergency Vehicle Signal Preemption System Based on Cooperative Vehicle-Infrastructure Technology. Advances in Mechanical Engineering, 2013, 5, 834976.	1.6	21
54	Locating Urban Transit Hubs: Multicriteria Model and Case Study in China. Journal of Transportation Engineering, 2011, 137, 944-952.	0.9	21

#	ARTICLE	IF	CITATIONS
55	Signal Coordination Models for Midblock Pedestrian Crossing and Adjacent Intersections. , 2009, , .		3
56	Block Mechanism of Left-turned Flow at Signal-Controlled Roundabout. , 2009, , .		4
57	Notice of Retraction: Transportation Demand Management in China: Research and Practice of Staggered Work Hours, Congestion Pricing and High Occupancy Vehicle Lanes. , 2009, , .		0
58	The Analysis of Stop Line Arrangement for At-Grade Intersection. , 2008, , .		1
59	Development and Evaluation of a Fuzzy Logic Control Approach for Pedestrian Crossing. , 2008, , .		1
60	Traffic Data Collection System Based on Floating Cars and its Application in Shanghai. , 2007, , .		8
61	Urban road interchange type selection based on Multiple Attributes Decision Making. , 2007, , .		1
62	Integrated Control Method for On-Ramp and Correlated Intersection. , 2007, , .		0
63	A New Traffic-Signal Control for Modern Roundabouts: Method and Application. IEEE Transactions on Intelligent Transportation Systems, 2004, 5, 282-287.	8.0	63
64	A method of traffic signal control for modern roundabout. , 0, , .		2