Hongtai Yang

List of Publications by Year
in descending order

49 papers	1,013 citations	471509 17 h-index	454955 30 g-index
49 all docs	49 docs citations	49 times ranked	807 citing authors

#	Article	IF	Citations
1	Equilibrium in taxi and ride-sourcing service considering the use of e-hailing application. Transportmetrica A: Transport Science, 2022, 18, 659-675.	2.0	2
2	Determinants of city-level private car ownership: Effect of vehicle regulation policies and the relative price. Transport Policy, 2022, 115, 40-48.	6.6	23
3	How does the suspension of ride-sourcing affect the transportation system and environment?. Transportation Research, Part D: Transport and Environment, 2022, 102, 103131.	6.8	29
4	Spatially Varying Relation between Built Environment and Station-Level Subway Passenger-Distance. Journal of Advanced Transportation, 2022, 2022, 1-18.	1.7	1
5	Using a system of equations to assess the determinants of the walking behavior of older adults. Transactions in GIS, 2022, 26, 1339-1354.	2.3	28
6	Expected Length of the Shortest Path of the Traveling Salesman Problem in 3D Space. Journal of Advanced Transportation, 2022, 2022, 1-11.	1.7	3
7	A new queue shock wave theory based on platoon dispersion modeling. Physica A: Statistical Mechanics and Its Applications, 2022, , 127725.	2.6	0
8	Optimal Design for Demand Responsive Connector Service Considering Elastic Demand. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2476-2486.	8.0	14
9	Equitable? Exploring ridesourcing waiting time and its determinants. Transportation Research, Part D: Transport and Environment, 2021, 93, 102774.	6.8	34
10	Influence of the built environment on E-scooter sharing ridership: A tale of five cities. Journal of Transport Geography, 2021, 93, 103084.	5.0	63
11	How Do Different Treatments of Catchment Area Affect the Station Level Demand Modeling of Urban Rail Transit?. Journal of Advanced Transportation, 2021, 2021, 1-19.	1.7	3
12	Effects of Coverage Area Treatment, Spatial Analysis Unit, and Regression Model on the Results of Station-Level Demand Modeling of Urban Rail Transit. Journal of Advanced Transportation, 2021, 2021, 1-10.	1.7	1
13	Spatially Varying Effects of Street Greenery on Walking Time of Older Adults. ISPRS International Journal of Geo-Information, 2021, 10, 596.	2.9	62
14	Direct modeling of subway ridership at the station level: a study based on mixed geographically weighted regression. Canadian Journal of Civil Engineering, 2020, 47, 534-545.	1.3	10
15	Statistical Modeling of Quartiles, Standard Deviation, and Buffer Time Index of Optimal Tour in Traveling Salesman Problem and Implications for Travel Time Reliability. Transportation Research Record, 2020, 2674, 339-347.	1.9	8
16	Accessibility and proximity effects of bus rapid transit on housing prices: Heterogeneity across price quantiles and space. Journal of Transport Geography, 2020, 88, 102850.	5.0	96
17	Design and Control Method of Switchable On- or Off-Ramp for Urban Highway. Journal of Advanced Transportation, 2020, 2020, 1-10.	1.7	0
18	Is the front passenger seat always the "death seat"? An application of a hierarchical ordered probit model for occupant injury severity. International Journal of Injury Control and Safety Promotion, 2020, 27, 438-446.	2.0	12

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19	Built Environment Correlates of the Propensity of Walking and Cycling. Sustainability, 2020, 12, 8752.	3.2	12
20	Exploring the Equity of Traditional and Ride-Hailing Taxi Services during Peak Hours. Transportation Research Record, 2020, 2674, 266-278.	1.9	28
21	Exploring spatial variation of bike sharing trip production and attraction: A study based on Chicago's Divvy system. Applied Geography, 2020, 115, 102130.	3.7	62
22	Bus Priority Signal Control Considering Delays of Passengers and Pedestrians of Adjacent Intersections. Journal of Advanced Transportation, 2020, 2020, 1-12.	1.7	6
23	Underreporting, crash severity and fault assignment of minor crashes in China—a study based on self-reported surveys. International Journal of Injury Control and Safety Promotion, 2019, 26, 30-36.	2.0	11
24	Emerging mini electric cars in China: User experience and policy implications. Transportation Research, Part D: Transport and Environment, 2019, 69, 293-304.	6.8	11
25	Exploring Factors Influencing the Proportion of E-hailing Taxi Trips: A Study Based on Fractional Response Model. , 2019, , .		2
26	Modeling Quartiles and Variance of Optimal Traveling Salesman Tour Lengths. , 2019, , .		0
27	Optimal Service Design of Demand Responsive Connector with Elastic Demand. , 2019, , .		0
28	Usage Characteristics and Mode Choice Transitions of Ride-hailing Users in Chengdu, China. , 2019, , .		1
29	What is the best catchment area of bike share station? A study based on Divvy system in Chicago, USA. , 2019, , .		5
30	Exploring Spatial Variation in Relationship between Station Level Metro Ridership and Influencing Variables. , 2019, , .		1
31	Short-term demand forecasting for bike sharing system based on machine learning. , 2019, , .		5
32	What is the best catchment area of a metro station? A study based on station level ridership modeling. , 2019, , .		1
33	Effect of Average Car Price On City-Level Private Car Ownership: A Study Based On Panel Data Analysis. , 2019, , .		1
34	Analysis of Spatial Equity in Taxi Services: A Case Study of New York City*. , 2019, , .		1
35	A Dynamic Shared Bikes Rebalancing Method Based on Demand Prediction. , 2019, , .		7
36	Development of Dynamic Platoon Dispersion Models for Predictive Traffic Signal Control. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 431-440.	8.0	35

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37	Urban travel time reliability at different traffic conditions. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2018, 22, 106-120.	4.2	27
38	A Kriging based spatiotemporal approach for traffic volume data imputation. PLoS ONE, 2018, 13, e0195957.	2.5	28
39	Predicting e-bike users' intention to run the red light: An application and extension of the theory of planned behavior. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 282-291.	3.7	53
40	Simulation study of overtaking in pedestrian flow using floor field cellular automaton model. International Journal of Modern Physics C, 2017, 28, 1750059.	1.7	17
41	Use characteristics and demographics of rural transit riders: a case study in Tennessee. Transportation Planning and Technology, 2017, 40, 213-227.	2.0	12
42	Spatial variations in active mode trip volume at intersections: a local analysis utilizing geographically weighted regression. Journal of Transport Geography, 2017, 64, 184-194.	5.0	66
43	Freeway incident duration prediction using Bayesian network. , 2017, , .		5
44	Fatigue effect on phase transition of pedestrian movement: experiment and simulation study. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 103401.	2.3	16
45	Effect of speed matching on fundamental diagram of pedestrian flow. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 31-42.	2.6	22
46	A GIS-based method to identify cost-effective routes for rural deviated fixed route transit. Journal of Advanced Transportation, 2016, 50, 1770-1784.	1.7	24
47	Dynamics of electric bike ownership and use in Kunming, China. Transport Policy, 2016, 45, 127-135.	6.6	118
48	From e-bike to car: A study on factors influencing motorization of e-bike users across China. Transportation Research, Part D: Transport and Environment, 2015, 41, 50-63.	6.8	36
49	Statewide Rural-Urban Bus Travel Demand and Network Evaluation: An Application in Tennessee. Journal of Public Transportation, 2012, 15, 97-111.	1.2	11