Hao Yu

List of Publications by Year
in descending order

31 papers	1,032 citations	471509 17 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	995 citing authors

#	Article	IF	Citations
1	A semantic embedding methodology for motor vehicle crash records: A case study of traffic safety in Manhattan Borough of New York City. Journal of Transportation Safety and Security, 2022, 14, 1913-1933.	1.6	3
2	Stationary condition based performance analysis of the contraflow left-turn lane design considering the influence of the upstream intersection. Transportation Research Part C: Emerging Technologies, 2021, 122, 102919.	7.6	12
3	Developing a decentralized signal control strategy considering link storage capacity. Transportation Research Part C: Emerging Technologies, 2021, 124, 102971.	7.6	9
4	Network-wide traffic signal control optimization using a multi-agent deep reinforcement learning. Transportation Research Part C: Emerging Technologies, 2021, 125, 103059.	7.6	53
5	Exploring the impacts of travel-implied policy factors on COVID-19 spread within communities based on multi-source data interpretations. Health and Place, 2021, 69, 102538.	3.3	22
6	Fusion convolutional neural network-based interpretation of unobserved heterogeneous factors in driver injury severity outcomes in single-vehicle crashes. Analytic Methods in Accident Research, 2021, 30, 100157.	8.2	17
7	An optimal control-based vehicle speed guidance strategy to improve traffic safety and efficiency against freeway jam waves. Accident Analysis and Prevention, 2021, 163, 106429.	5.7	13
8	Simulation-Based Evaluation of Variation in Left-Turn Paths in the Coordinated Intersection Management. Journal of Advanced Transportation, 2021, 2021, 1-14.	1.7	3
9	Identifying heterogeneous factors for driver injury severity variations in snow-related rural single-vehicle crashes. Accident Analysis and Prevention, 2020, 144, 105587.	5.7	28
10	Assessing potential likelihood and impacts of landslides on transportation network vulnerability. Transportation Research, Part D: Transport and Environment, 2020, 82, 102304.	6.8	22
11	Extracting and Predicting Taxi Hotspots in Spatiotemporal Dimensions Using Conditional Generative Adversarial Neural Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3680-3692.	6.3	20
12	Quantifying Significance of Young Traveler Characteristics in Travel Mode Choices Impacted by E-Hailing Services. Journal of Transportation Engineering Part A: Systems, 2020, 146, .	1.4	3
13	Sensitivity of Simulated Conflicts to VISSIM Driver Behavior Parameter Modification. Lecture Notes in Electrical Engineering, 2020, , 113-122.	0.4	0
14	Taxi-Based Mobility Demand Formulation and Prediction Using Conditional Generative Adversarial Network-Driven Learning Approaches. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3888-3899.	8.0	31
15	Tsunami-induced traffic evacuation strategy optimization. Transportation Research, Part D: Transport and Environment, 2019, 77, 535-559.	6.8	14
16	Short‐term FFBS demand prediction with multi‐source data in a hybrid deep learning framework. IET Intelligent Transport Systems, 2019, 13, 1340-1347.	3.0	20
17	A Bayesian vector autoregression-based data analytics approach to enable irregularly-spaced mixed-frequency traffic collision data imputation with missing values. Transportation Research Part C: Emerging Technologies, 2019, 108, 302-319.	7.6	13
18	Temporal-spatial dimension extension-based intersection control formulation for connected and autonomous vehicle systems. Transportation Research Part C: Emerging Technologies, 2019, 104, 234-248.	7.6	64

#	Article	IF	Citations
19	A latent class approach for driver injury severity analysis in highway single vehicle crash considering unobserved heterogeneity and temporal influence. Analytic Methods in Accident Research, 2019, 24, 100110.	8.2	38
20	Optimal traffic signal control under dynamic user equilibrium and link constraints in a general network. Transportation Research Part B: Methodological, 2018, 110, 302-325.	5.9	35
21	Performance evaluation of integrated strategy of vehicle route guidance and traffic signal control using traffic simulation. IET Intelligent Transport Systems, 2018, 12, 696-702.	3.0	9
22	Incorporating twitter-based human activity information in spatial analysis of crashes in urban areas. Accident Analysis and Prevention, 2017, 106, 358-369.	5.7	61
23	Comparative Analysis of Risky Behaviors of Electric Bicycles at Signalized Intersections. Traffic Injury Prevention, 2015, 16, 424-428.	1.4	62
24	Comparative analysis of the spatial analysis methods for hotspot identification. Accident Analysis and Prevention, 2014, 66, 80-88.	5.7	108
25	Modeling the Effects of Low-carbon Emission Constraints on Mode and Route Choices in Transportation Networks. Procedia, Social and Behavioral Sciences, 2013, 96, 329-338.	0.5	13
26	Control Strategy of Variable Speed Limits for Improving Traffic Efficiency at Merge Bottleneck on Freeway. Procedia, Social and Behavioral Sciences, 2013, 96, 2011-2023.	0.5	10
27	Identifying if VISSIM simulation model and SSAM provide reasonable estimates for field measured traffic conflicts at signalized intersections. Accident Analysis and Prevention, 2013, 50, 1014-1024.	5.7	170
28	Using VISSIM simulation model and Surrogate Safety Assessment Model for estimating field measured traffic conflicts at freeway merge areas. IET Intelligent Transport Systems, 2013, 7, 68-77.	3.0	96
29	Evaluating the Effects of Signal Countdown Timers on Queue Discharge Characteristics at Signalized Intersections in China. Transportation Research Record, 2012, 2286, 39-48.	1.9	19
30	Development of a VISSIM Simulation Model for U-Turns at Unsignalized Intersections. Journal of Transportation Engineering, 2012, 138, 1333-1339.	0.9	46
31	Can Left-turn Waiting Areas Improve the Capacity of Left-turn Lanes at Signalized Intersections?. Procedia, Social and Behavioral Sciences, 2012, 43, 192-200.	0.5	18