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	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
2	Comparative analysis of the spatial analysis methods for hotspot identification. Accident Analysis and Prevention, 2014, 66, 80-88.	5.7	108
3	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
4	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
5	Comparative Analysis of Risky Behaviors of Electric Bicycles at Signalized Intersections. Traffic Injury Prevention, 2015, 16, 424-428.	1.4	62
6	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
7	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
8	Development of a VISSIM Simulation Model for U-Turns at Unsignalized Intersections. Journal of Transportation Engineering, 2012, 138, 1333-1339.	0.9	46
9	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
10	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
11	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
12	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
13	Assessing potential likelihood and impacts of landslides on transportation network vulnerability. Transportation Research, Part D: Transport and Environment, 2020, 82, 102304.	6.8	22
14	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
15	Shortâ€term FFBS demand prediction with multiâ€source data in a hybrid deep learning framework. IET Intelligent Transport Systems, 2019, 13, 1340-1347.	3.0	20
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Tsunami-induced traffic evacuation strategy optimization. Transportation Research, Part D: Transport and Environment, 2019, 77, 535-559.	6.8	14
21	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
22	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
23	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
24	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
25	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
26	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
27	Developing a decentralized signal control strategy considering link storage capacity. Transportation Research Part C: Emerging Technologies, 2021, 124, 102971.	7.6	9
28	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
29	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
30	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
31	Sensitivity of Simulated Conflicts to VISSIM Driver Behavior Parameter Modification. Lecture Notes in Electrical Engineering, 2020, , 113-122.	0.4	0