Lei Zhang

List of Publications by Year
in descending order

17 papers	**840** citations	759233 **12** h-index	888059 **17** g-index
17 all docs	**17** docs citations	**17** times ranked	**763** citing authors

#	Article	IF	Citations
1	Interactive COVID-19 Mobility Impact and Social Distancing Analysis Platform. Transportation Research Record, 2023, 2677, 168-180.	1.9	13
2	A data-driven travel mode share estimation framework based on mobile device location data. Transportation, 2022, 49, 1339-1383.	4.0	13
3	An integrated modeling framework for active traffic management and its applications in the Washington, DC area. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2021, 25, 609-625.	4.2	6
4	Examining spatiotemporal changing patterns of bike-sharing usage during COVID-19 pandemic. Journal of Transport Geography, 2021, 91, 102997.	5.0	113
5	A big-data driven approach to analyzing and modeling human mobility trend under non-pharmaceutical interventions during COVID-19 pandemic. Transportation Research Part C: Emerging Technologies, 2021, 124, 102955.	7.6	113
6	Modeling indoor-level non-pharmaceutical interventions during the COVID-19 pandemic: A pedestrian dynamics-based microscopic simulation approach. Transport Policy, 2021, 109, 12-23.	6.6	42
7	An integrated and personalized traveler information and incentive scheme for energy efficient mobility systems. Transportation Research Part C: Emerging Technologies, 2020, 113, 57-73.	7.6	34
8	Mobile device data reveal the dynamics in a positive relationship between human mobility and COVID-19 infections. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27087-27089.	7.1	234
9	Quantifying human mobility behaviour changes during the COVID-19 outbreak in the United States. Scientific Reports, 2020, 10, 20742.	3.3	78
10	Mobile device location data reveal human mobility response to state-level stay-at-home orders during the COVID-19 pandemic in the USA. Journal of the Royal Society Interface, 2020, 17, 20200344.	3.4	49
11	Analyzing Simulation-Based Active Traffic Management Impact on a Large-Scale Regional Network. Transportation Research Record, 2019, 2673, 638-647.	1.9	2
12	AgBM-DTALite: An integrated modelling system of agent-based travel behaviour and transportation network dynamics. Travel Behaviour & Society, 2018, 12, 141-150.	5.0	22
13	An Integrated, Validated, and Applied Activity-Based Dynamic Traffic Assignment Model for the Baltimore-Washington Region. Transportation Research Record, 2018, 2672, 45-55.	1.9	14
14	Agent-based en-route diversion: Dynamic behavioral responses and network performance represented by Macroscopic Fundamental Diagrams. Transportation Research Part C: Emerging Technologies, 2016, 64, 148-163.	7.6	30
15	Integrating an Agent-Based Travel Behavior Model with Large-Scale Microscopic Traffic Simulation for Corridor-Level and Subarea Transportation Operations and Planning Applications. Journal of the Urban Planning and Development Division, ASCE, 2013, 139, 94-103.	1.7	25
16	A Descriptive Bayesian Approach to Modeling and Calibrating Drivers' En Route Diversion Behavior. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1817-1824.	8.0	18
17	Balancing Efficiency and Equity of Ramp Meters. Journal of Transportation Engineering, 2005, 131, 477-481.	0.9	34