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Academic Qualifications

PhD in Systems Engineering, City University of Hong Kong, China, Hong Kong SAR
MSc in Statistics and Operational Research, University of Edinburgh, UK
BSc in Statistics, North Minzu University, China

Teaching Areas

Business Statistics
Management Information System
Electronic Commerce

Areas of Research Expertise

Transport Safety, Urban Sustainable Development

Working Experience

- | | |
|----------------|---|
| 2026 - Present | Assistant Professor, School of Liberal Arts, Macau University of Science and Technology, China, Macau SAR |
| 2024 - 2025 | Postdoctoral Researcher, Department of Urban Planning and Design, Faculty of Architecture, The University of Hong Kong, China, Hong Kong SAR |
| 2022 - 2024 | Postdoctoral Researcher, Guangzhou HKUST Fok Ying Tung Innovation, Policy and Entrepreneurship, Society Hub, The Research Institute Hong Kong University of Science and Technology (Guangzhou), China |

Journal Articles

1. **Chang, H.**, He, Y., Chu, C., & Huang, J*. (2026). Do car-free initiatives enhance urban diversity? Causal evidence from CicLAvia in Los Angeles. *Cities*, 171, 106754. <https://doi.org/10.1016/j.cities.2025.106754>. [SSCI, CAS Q1, JCR Q1]
2. **Chang, H.***, Xu, C. K., & Tang, T. (2024). Investigating the temporal dynamics of motor vehicle collision density patterns in urban road networks—a case study of New York. *Journal of safety research*, 89, 116-134. <https://doi.org/10.1016/j.jsr.2024.02.009>. [SSCI, CAS Q2, JCR Q1]
3. **Chang, H.***, Li, L., Huang, J., Zhang, Q., & Chin, K. S. (2022). Tracking traffic congestion and accidents using social media data: A case study of Shanghai. *Accident Analysis & Prevention*, 169, 106618. <https://doi.org/10.1016/j.aap.2022.106618>. [SSCI, CAS Q1, JCR Q1]



4. **Chang, H.**, Huang, J., Yao, W., Zhao, W., & Li, L*. (2022). How do new transit stations affect people's sentiment and activity? A case study based on social media data in Hong Kong. *Transport Policy*, 120, 139-155. <https://doi.org/10.1016/j.tranpol.2022.03.011>. [SSCI, CAS Q1, JCR Q1]
5. Hao, T., **Chang, H.**, Liang, S., Jones, P., Chan, P. W., Li, L., & Huang, J*. (2023). Heat and park attendance: Evidence from “small data” and “big data” in Hong Kong. *Building and Environment*, 234, 110123. <https://doi.org/10.1016/j.buildenv.2023.110123>. [SCIE, CAS Q1, JCR Q1]
6. Huang, J., Cui, Y., **Chang, H.**, Obracht-Prondzyńska, H., Kamrowska-Zaluska, D., & Li, L. (2022). A city is not a tree: A multi-city study on street network and urban life. *Landscape and Urban Planning*, 226, 104469. <https://doi.org/10.1016/j.landurbplan.2022.104469>. [SCIE, CAS Q1, JCR Q1]

Research Grants

2026 - 2029 Grant No. 52578030, Major Project Participant, General Program of National Natural Science Foundation of China (NSFC)

Editorial and Academic Service

Ad Hoc Reviewer

Accident Analysis & Prevention [SSCI, CAS Q1, JCR Q1]

Engineering Applications of Artificial Intelligence [SCIE, CAS Q1, JCR Q1]

International Journal of Disaster Risk Reduction [SCIE, CAS Q2, JCR Q1]

Journal of Environmental Management [SCIE, CAS Q2, JCR Q1]

Sustainable Cities and Society [SCIE, CAS Q1, JCR Q1]

Travel Behavior and Society [SSCI, CAS Q1, JCR Q1]

Transportation Research Part C: Emerging Technologies [SCIE, CAS Q1, JCR Q1]

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