

# 崔梓钰



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## 教育背景

|           |                           |
|-----------|---------------------------|
| 2023–2026 | Ph.D.: 香港理工大学；工业与系统工程     |
| 2020–2023 | M.Eng.: 哈尔滨工业大学；交通运输规划与管理 |
| 2016–2020 | B.Eng.: 山东建筑大学；交通工程       |

## 工作经验

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|-----------|---------------|
| 2026-至今   | 助理教授／澳门科技大学   |
| 2026      | 博士后／香港理工大学    |
| 2025–2026 | 访问学者／代尔夫特理工大学 |
| 2024      | 访问学者／宁波诺丁汉大学  |

## 教学活动

智能物流系统与应用（课程编号：BBAE16504）

## 研究领域

智能交通系统建模；供应链物流与管理；大数据与人工智能；运输政策分析。

## 学术成果

1. Dong, H., **Cui, Z.**, Wang, X., Yang, M., Zhu, J.\*, Yang, H.\*, Chung, C.-Y., Zhang, H., Liu, D., & Fu, X. (2026). A Data-Driven Framework for Forecasting the Spatial-Temporal Distribution of Energy-Use Flows in Air Transportation. *Cell Reports Physical Science (SCI, JCR Q1, IF=7.3)*, 7(6), 103339.
2. Peng, W., Wang, Z., **Cui, Z.\***, Wang, K., & Fu, X. (2026). Identifying, Evaluating,

- and Assessing the Impact of Airport Hubs: A Systematic Review of Quantitative Indicators and Methods. *Research in Transportation Business & Management (SSCI, JCR Q2, IF =4.8)*, 68, 101806.
3. Dong H., **Cui Z.**, Zhu J.\*, Fu, X.\*, Chung, C-Y (2026). Forecasting Energy Use Flows of Air Routes Under Aviation Electrification. *The Innovation Energy*, 3:100161.
  4. Dong, H., **Cui, Z. (Co-first authors)**, Chung, C.-Y., Chen, Y., Zhu, J., Fu, X., & Yang, H. (2026). Evaluating Flight-Aware Charging for Electric Aircraft Under Airport-Specific Pricing. *Transport Policy (SSCI, JCR Q1, ABDC A, IF=5.3)*, 186, 104229.
  5. **Cui, Z.**, Fu, X., Jin, H.\*, Chen, A., Wang, K (2025). Transitioning to Electrification: Optimal Strategies for Ship Fleet Replacement. *Transportation Research Part C: Emerging Technologies (SCI, JCR Q1, ABDC A\*, IF=7.9)*, Volume 174, 105079.
  6. **Cui, Z.**, Fu, X., Wu, X., Wang, K.\* (2025). Optimal Subsidy Scheme for Electric Ship Adoption in Inland Shipping. *Transportation Research Part A: Policy and Practice (SSCI, JCR Q1, ABDC A\*, IF=6.8)*, Volume 199, 2025, 104591.
  7. **Cui, Z.**, Dong, H., Wang, K., Qiu, J., Fu, X.\* (2025). Analysis of Structure Evolution in Chinese Aviation Networks During and After the Pandemic: A Machine Learning-based approach. *Transport Policy (SSCI, JCR Q1, ABDC A, IF=5.3)*, Volume 172, 2025, 103774.
  8. Dong, H., Wang, X., **Cui, Z. (Co-first authors)**, Zhu, J.\*, Li, S., Yu, C. (2025). Machine Learning-Enhanced Data Envelopment Analysis Via Multi-Objective Variable Selection for Benchmarking Combined Electricity Distribution Performance. *Energy Economics (SCI, JCR Q1, ABDC A\*, IF=14.2)*, Volume 143, 2025, 108226.
  9. **Cui, Z.**, Wang, X., Ci, Y.\*, Yang, C., Yao, J. (2023). Modeling and Analysis of Car-Following Models Incorporating Multiple Lead Vehicles and Acceleration Information in Heterogeneous Traffic Flow. *Physica A: Statistical Mechanics and its Applications (SCI, JCR Q2, IF=3.1)*, 129259.
  10. 王晓宁, **崔梓钰**, 张玉 (2022). 考虑交通环境影响的封闭小区开放决策研究. *交通运输系统工程与信息 (CSCD, 北大核心)*, 22(04): 228-235.

#### 会议论文

1. He, S., Tian, J.\*, **Cui, Z.**, Hao, G., Liang, Z., Cao, Y., & Chung, C. Y. (2026). Distribution Power Network Reconfiguration with Queued EV Support: Deep Reinforcement Learning for V2G Scheduling under Uncertainty. *2026 IEEE PES International Meeting (PES IM)*. IEEE.

2. Zhao, C., **Cui, Z.**, Yip, T. L.\*, Fu, X. (2025). A Multi-Objective Framework for Green Energy Selection and Navigation in Maritime Transportation. *The 8th International Conference on Transportation Information and Safety (IEEE)*, 764-771.

#### 授权专利

1. **崔梓钰**, 王晓宁等 (2026)。考虑前方多车影响及加速度信息的跟驰模型建模方法及跟驰方法：CN 117079464 B。

#### 其他专业资格 / 活动

##### 期刊审稿人：

Transportation Research Part A: Policy and Practice

Transport Policy

Ocean & Coastal Management

Research in Transportation Business & Management

Case Studies on Transport Policy

##### 国际学术会议助理：

2025 第二十八届世界航空运输学会年会

2025 Advances in Future Mobility: An International Workshop

2024 香港交通运输研究会第二十八届国际研讨会

2023 International Workshop on Frontier Transport Research Topics

#### 奖项

2026 香港特别行政区政府奖学金-外展体验奖

2023, 2024 香港理工大学工业及系统工程系-杰出教学助理奖

2023 黑龙江省优秀毕业生

2023 哈尔滨工业大学优秀毕业论文

2022 研究生国家奖学金

2020 山东省优秀毕业生