

趙鴻昊



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部門/領域： 決策科學系

教育背景

2009.10 - 2014.07 **Ph.D.:** 香港城市大學，香港；系統工程與工程管理
Master: 無
2005.09 - 2009.07 **BS:** 清華大學，北京；工業工程

工作經歷

2020.07 - 至今 澳門科技大學，商學院，副教授
2015.09 - 2020.06 澳門科技大學，商學院，助理教授
2013.11 - 2015.04 香港城市大學，研究助理

教學活動

數據挖掘，大數據，高級管理科學研究方法，等。

研究領域

數據挖掘，機器學習，統計過程控制，環境管理，碳排放估計，經融風險監控，金融指數預測。

部分學術期刊論文

Luo, X.C., **Zhao, H.H.*** (2025). Spatial and Temporal Evolution of the Decoupling State and Drivers of Economic Growth and CO₂ Emissions in RCEP Member Countries. *Energy Strategy Reviews*, 59, 101709. (SCIE, IF(2024)=9.9, Q1, Ranking: 13.2%)

Luo, X.C., Liu, C.K., **Zhao, H.H.*** (2024). Modeling and Spatio-Temporal Analysis on CO₂ Emissions in the Guangdong-Hong Kong-Macao Greater Bay Area and Surrounding Cities Based on Neural Network and Autoencoder, *Sustainable Cities and Society*, Vol.103, 105254. (SCIE, IF(2022)=11.7, Q1, Ranking: 1.5%)

Luo, X.C., Liu, C.K., **Zhao, H.H.*** (2023). Driving factors and emission reduction scenarios analysis of CO₂ emissions in Guangdong-Hong Kong-Macao Greater Bay Area and surrounding cities based on LMDI and system dynamics, *Science of the Total Environment*, Vol. 870, 161966. (SCIE, IF(2021)=10.754, Q1, Ranking: 9.3%, **Highly Cited Paper**)

Zhao, H.H.*, Tang, H.J., Pang, C., Jiang, H.M. (2023). A Markov Chain Model for Approximating the Run Length Distributions of Poisson EWMA Charts under Linear Drifts, *Mathematics*, Vol. 10, 4786. (SCIE, IF(2021)= 2.592, Q1, Ranking: 6.3%)

Luo, X.C., **Zhao, H.H.*** (2021). Promotion Strategy of Policy against Food Waste (PAFW): The Perspective on Evolutionary Game between Local Government and Large Supermarkets, *Complexity*, Article Number: 6567902. (SCIE, IF(2020)=2.833, Q2, ranking: 28.7%)

Zhao, H.H.*, Luo, X.C., Ma, R., Lu, Xi. (2021). An Extended Regularized K-Means Clustering Approach for High-Dimensional Customer Segmentation with Correlated Variables, *IEEE Access*, 9: 48405-48412. (SCIE, IF(2019)=3.745, Q1, ranking: 22.4%)

Fu, Y., Yao, J.J., **Zhao, H.H.***, Zhao, G., Wan, Z.S. (2018). Forecast for Artificial Muscle Tremor Behavior Based on Dynamic Additional Grey Catastrophe Prediction. *Applied Sciences-BASEL*, 8(2): Article Number: 315. (SCIE, IF(2017)=1.689, Q3, ranking: 52.4%)

Ma, R., **Zhao, H.H.***, Zhou, L.G.. (2017). Predicting status of Chinese listed companies based on features selected by penalized regression. *Journal of Systems Science and Systems Engineering*, 26:475-486. (SCIE, IF(2016)=0.915, Q4, ranking: 75.3%)

Fan J.Y., Shu, L.J., **Zhao, H.H.**, Yeung H.F. (2017). Monitoring multivariate process variability via eigenvalues. *Computers & Industrial Engineering*, 113: 269-281. (SCIE, IF(2016)=2.623, Q1, ranking: 19.32%)

Zhao, H.H.*, Shu, L.J., and Tsui, K.-L. (2015). An Adaptive CUSUM Chart for Monitoring Poisson Rates with Increasing Population Sizes. *European Journal of Industrial Engineering*. 9: 692-715. (SCIE, IF(2014)=0.736, Q3, ranking: 70.93%)

Zhao, H.H.*, Shu, L.J., and Tsui, K.-L. (2015). A Window-Limited Generalized Likelihood Ratio Test for Monitoring Poisson Processes with Linear Drifts. *Journal of Statistical Computation and Simulation*. 85: 2975-2988. (SCIE, IF(2014)=0.635, Q3, ranking: 70.9%)

Jiang, W., Shu, L.J., **Zhao, H.H.**, and Tsui, K.-L. (2013), CUSUM Procedures for Health Care Surveillance. *Quality and Reliability Engineering International*, 29: 883– 897. (SCIE, IF(2012)=0.680, Q3, ranking: 51.67%)

部分學術研討會論文

Zhao, H.H., Shu, L.J., Jiang, W., and Tsui, K.-L. A Comparison of Detection Probability of CUSUM Procedures under Increasing Population Sizes. *Biomedical Engineering and Biotechnology (iCBEB)*, 2012, Macau.

科研項目

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| 2025-2028 | Interbrain Neural Similarity Enhances the Efficacy of Food Sensory Marketing: Bottom-Up Modulation Mechanisms and Application Approaches. 澳門科學技術發展基金 (FDCT), 1,323,000 mop。項目成員。 |
| 2024 | Carbon Emissions Estimation and Spatio-Temporal Analysis on CO ₂ Emissions and Driving Factors in the Guangdong-Hong Kong-Macao Greater Bay Area and Surrounding Cities Based on Deep Learning Autoencoder. 澳門基金會，200,000 mop。主持。 |
| 2020-2022 | Research and Application of Cross border Logistics Traceability Management System for Goods Based on Memory Blockchain Technology (2020A0505090004). 廣東省科技廳，1,000,000 RMB。項目成員。 |

- 2019-2020 The Prediction of Repayment Behavior in P2P Lending Based on Optimized XGBoost Methods through Genetic Algorithm. FRG, 澳門科技大學基金會，30,000 mop。主持。
- 2017-2018 The Prediction of Statuses of Chinese Listed Companies Based on Data Mining Methods with Regularization Approaches. FRG, 澳門科技大學基金會，30,000 mop。主持。

教學成果

- 2023/2024 教學成果獎一等獎，"An Assurance of Learning (AoL) System at the School of Business, MUST"。
- 2019/2020 教學成果獎二等獎，"Outcome-based Trinity Supply Chain Management Course Teaching Plan"。

其他專業活動及服務

商學院 AACSB 認證 task force 小組成員。

商學院決策科學係研究委員會（DRC）主席。

商業分析學碩士課程主任。

多個國際期刊審稿人，包括 Applied Energy, Journal of Cleaner Production, Computers & Industrial Engineering, Journal of Statistical Computation and Simulation 等。