

Huijuan Xiao



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Education

09/2019 -04/2023	The Hong Kong Polytechnic University	Department of Industrial and Systems Engineering
Doctor of Philosopher		
07/2022-10/2022	The University of Melbourne	School of Ecosystem and Forest Sciences
Visiting Student		
02/2018-06/2018	The University of East Anglia	School of International Development
Visiting student		
09/2016-07/2019	Jinan University (Project 211)	College of Economics (Major: Population, Resource, Environmental Economics)
Master of Economics		
09/2011-07/2015	South China Normal University (Project 211)	School of Chemistry and Environment (Major: Environmental Science)
Bachelor of Science		

Full list of journal paper publications

Published journal	Discipline	Journal Ranking	Impact Factor
1. H. Xiao , Z. Xu, J. Ren, Y. Zhou, R. Lin, S. Bao, L. Zhang, S. Lu, C.K.M. Lee, J. Liu, Navigating Chinese cities to achieve sustainable development goals by 2030, <i>The Innovation (Cell Press partner journal)</i> . 3 (2022) 100288.	Multidisciplinary sciences	8/135 Q1	Not yet available
2. H. Xiao , W. Zhao, Y. Shan, D. Guan, CO ₂ emission accounts of Russia's constituent entities 2005–2019, <i>Sci Data. (Nature Portfolio)</i> 8 (2021) 172.	Multidisciplinary sciences	12/74 Q1	8.501
3. H. Xiao , Y. Zhou, N. Zhang, D. Wang, Y. Shan, J. Ren, CO ₂ emission reduction potential in China from combined effects of structural adjustment of economy and efficiency improvement, <i>Resources, Conservation and Recycling</i> . 174 (2021) 105760.	Engineering, Environmental Environmental Sciences	4/54 Q1 12/279 Q1	13.716
4. H. Xiao , D. Wang, Y. Qi, S. Shao, Y. Zhou, Y. Shan, The governance-production nexus of eco-efficiency in Chinese resource-based cities: A two-stage network DEA approach, <i>Energy Economics (Academic Journal Guide: 3)</i> . 101 (2021) 105408.	Economics	9/381 Q1	9.252
5. H. Xiao , Z. Duan, Y. Zhou, N. Zhang, Y. Shan, X. Lin, G. Liu, CO ₂ emission patterns in shrinking and growing cities: A case study of Northeast China and the Yangtze River Delta, <i>Applied Energy</i> . 251 (2019) 113384.	Energy & Fuels Engineering, Chemical	15/119 Q1 9/143 Q1	11.446
6. H. Xiao , S. Bao, J. Ren, Z. Xu, Transboundary impacts on SDG progress across Chinese cities: a spatial econometric analysis, <i>Sustainable cities and society</i> . (2023)	Construction & Building Technology Energy & Fuel	2/68 Q1 16/119 Q1	10.696
7. H. Xiao , Y. Shan, N. Zhang, Y. Zhou, D. Wang, Z. Duan,	Environmental Sciences	34/279	8.910

Comparisons of CO2 emission performance between secondary and service industries in Yangtze River Delta cities, <i>Journal of Environmental Management</i> . 252 (2019) 109667.		Q1	
8. H. Xiao , Y. Liu, J. Ren, Synergies and trade-offs across sustainable development goals: A novel method incorporating indirect interactions analysis, <i>Sustainable Development</i> . (2022) 1–14.	Development studies	1/42	8.562
		Q1	
	Green & Sustainable science & Technology	4/9	
9. L. Zhang, W. Bai, H. Xiao , J. Ren, Measuring and improving regional energy security: A methodological framework based on both quantitative and qualitative analysis, <i>Energy</i> . 227 (2021).	Energy & Fuels	24/119	8.857
		Q1	
	Thermodynamics	3/63	
10. M. Xie, L. Zeng, Q. Zhang, Y. Kang, H. Xiao , Y. Peng, X. Chen, J. Luo, Synthesis and adsorption behavior of magnetic microspheres based on chitosan/organic rectorite for low-concentration heavy metal removal, <i>Journal of Alloys & Compounds</i> . 647 (2015) 892–905.	Chemistry, Physical	52/165	6.371
		Q2	
	Materials science. Multidisciplinary	96/345	
11. Li, K., Zhou, Y., Xiao, H. , Li, Z., Shan, Y., 2021. Decoupling of economic growth from CO2 emissions in Yangtze River Economic Belt cities. <i>Science of The Total Environment</i> . 775, 145927.	Environmental Sciences	26/279	10.754
		Q1	
12. Li, Z., Zhou, Y., Li, K., Xiao, H. , Cai, Y., 2021. The spatial effects of city-level water-energy nexus: A case study of Hebei Province, China. <i>Journal of Cleaner Production</i> . 310, 127497.	Engineering,	9/54	11.072
	Environmental	Q1	
	Environmental Sciences	24/279	
13. Lin, H., Wang, X., Bao, G., Xiao, H. , 2022. Heterogeneous Spatial Effects of FDI on CO ₂ Emissions in China. <i>Earth's Future</i> (IF= 8.852)10, e2021EF002331.	Environmental Sciences	35/279	8.852
		Q1	
	Geosciences, Multidisciplinary	7/202	

Book chapters

- Xiao, H.**, Zhang, Z., Wang, A., Ren, J. (2021). Evaluating Energy Security in China: A Subnational Analysis. In *China's Energy Security: Analysis, Assessment and Improvement* (pp. 119-137).
- Xiao, H.**, Li, Z., Jia, X., Ren, J. (2020). Waste to energy in a circular economy approach for better sustainability: a comprehensive review and SWOT analysis. *Waste-to-Energy*, 23-43.
- Xiao, H.**, Zhang, L., Ren, J. (2021). Sustainability Risks of Resource-Exhausted Cities in China: A Principal Component Analysis. In *Multi-Criteria Decision Analysis for Risk Assessment and Management* (pp. 225-249). Springer, Cham.
- Xiao, H.**, Ren, J. (2021). Integrated Sustainability Assessment of Energy Systems at the Macro Level. In *Energy Systems Evaluation (Volume 1)* (pp. 31-48). Springer, Cham.

Working papers

- Xiao, H.** et al. Global cross-border synergies and trade-offs among sustainable development goals across countries. (Status: to be submitted).

Awards

11/2016 Outstanding volunteer award of university Awarding Body: Jinan University

2016-2019	Second-class scholarship of excellent student of university for three consecutive years	Awarding Body: Jinan University
2012-2015	Second-class scholarship of excellent student of university for three consecutive years	Awarding Body: South China Normal University

Experience

10/2022 till now	PolyU Student Halls of Residence	Senior tutor (Hong Kong)
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1. Assisting the Acting Warden to manage the hall when the Warden is on leave or out of town.
2. Coordinate the works among hall tutors and compiling the annual report of the hall.

03/2021-07/2022	PolyU Student Halls of Residence	Tutor & Treasurer (Hong Kong)
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1. Coordinate hall education activities for around 340 hallmates and guide student leaders to organize 11 intra-hall activities and 2 inter-hall competitions.
2. Provide pastoral care for the residents and assist the warden in ensuring their wellness, safety, and regulations.
3. Assisting the Warden to oversee the use of Hall Education Fund and record of all kinds of hall expenditure.

11/10/2018-14/10/2018	The 13th International Conference on the Regional Innovation and Cooperation in Asia	Conference presenter (Japan)
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1. Act as a presenter in a parallel session and the title of conference paper is 'Green Regional Division, Green Development Rule and Inequalities in Carbon Emission Performance: A Case study in China'.

09/2017-11/2017	The 12th International Conference on the Regional Innovation and Cooperation in Asia	Coordinator (Guangzhou)
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1. Act as a contact person with participants, including those from Ritsumeikan University, Pusan National University, National Institute of Development Administration and some domestic universities.
2. Prepare for conference materials, including call for papers, invitation letters and collection of participant information.
3. Act as a tour guide of field research in Guangzhou: Flower City Square and Marshal House of Sun Yat-sen.

08/2013-06/2015	Innovation and Entrepreneurship Training Program of University for College Students	Program leader (Guangzhou)
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1. Lead completion of a two-year "Innovation and Entrepreneurship Training Program for College Students"

Language & Computer skills

1. Proficiency in Cantonese & Mandarin & English (IELTS: Overall Band Score is 7)
2. Proficiency in Python, Matlab, ArGis, Origin, Stata, and MS office