Chenchen Huang

🌐 https://chenchen-huang.github.io/ | ✉ huangcc@stu.xmu.edu.cn | ▪ +86 13774655466

SUMMARY

I am currently a Ph.D Candidate at the Xiamen University, a research affiliate at the China Institute for Studies in Energy Policy. My research interests include energy economics, energy policy, digital economy, and climate change.

EDUCATION

2021 - present	PhD at **Xiamen University**, Energy Economics	
2018 - 2021	Master's Degree at **North China Electric Power University**, Technical Economy and Management	(Rank: 1/25)
2014 - 2018	Bachelor's Degree at **North China Electric Power University**, Business Administration	(Rank:1/26)

PUBLICATIONS

Huang, Chenchen and Boqiang Lin (Nov. 2023). "Promoting decarbonization in the power sector: How important is digital transformation?" In: *ENERGY POLICY* 182. ISSN: 0301-4215. DOI: 10.1016/j.enpol.2023.113735.

Lin, Boqiang and Chenchen Huang (Feb. 2023a). "How will promoting the digital economy affect electricity intensity?" In: *ENERGY POLICY* 173. ISSN: 0301-4215. DOI: 10.1016/j.enpol.2022.113341.

– (Aug. 2023b). "Nonlinear relationship between digitization and energy efficiency: Evidence from transnational panel data". In: *ENERGY* 276. ISSN: 0360-5442. DOI: 10.1016/j.energy.2023.127601.

– (May 2023c). "Promoting variable renewable energy integration: The moderating effect of digitalization". In: *APPLIED ENERGY* 337. ISSN: 0306-2619. DOI: 10.1016/j.apenergy.2023.120891.

– (Sept. 2022). "Analysis of emission reduction effects of carbon trading: Market mechanism or government intervention?" In: *SUSTAINABLE PRODUCTION AND CONSUMPTION* 33, pp. 28–37. ISSN: 2352-5509. DOI: 10.1016/j.spc.2022.06.016.

Sun, Wei and Chenchen Huang (Mar. 2022). "Predictions of carbon emission intensity based on factor analysis and an improved extreme learning machine from the perspective of carbon emission efficiency". In: *JOURNAL OF CLEANER PRODUCTION* 338. ISSN: 0959-6526. DOI: 10.1016/j.jclepro.2022.130414.

Sun, Shufen and Chenchen Huang (Feb. 2021). "Energy structure evaluation and optimization in BRICS: A dynamic analysis based on a slack based measurement DEA with undesirable outputs". In: *ENERGY* 216. ISSN: 0360-5442. DOI: 10.1016/j.energy.2020.119251.

Sun, Wei and Chenchen Huang (Jan. 2020a). "A carbon price prediction model based on secondary decomposition algorithm and optimized back propagation neural network". In: *JOURNAL OF CLEANER PRODUCTION* 243. ISSN: 0959-6526. DOI: 10.1016/j.jclepro.2019.118671.

– (Nov. 2020b). "A hybrid air pollutant concentration prediction model combining secondary decomposition and sequence reconstruction". In: *ENVIRONMENTAL POLLUTION* 266.3. ISSN: 0269-7491. DOI: 10.1016/j.envpol.2020.115216.

Sun, Wei and Chenchen Huang (Sept. 2020c). "A novel carbon price prediction model combines the secondary decomposition algorithm and the long short-term memory network". In: *ENERGY* 207. ISSN: 0360-5442. DOI: 10.1016/j.energy.2020.118294.

– (Nov. 2020d). "How does urbanization affect carbon emission efficiency? Evidence from China". In: *JOURNAL OF CLEANER PRODUCTION* 272. ISSN: 0959-6526. DOI: 10.1016/j.jclepro.2020.122828.

EXPERIENCE

Teaching assistant

– Causal inference from panel data of Lian Xiang Hui, Online course, Lian Xiang Hui, 2024. The course was taught by Professor Yiqing Xu of Stanford University.
– Electric Power Engineering and Technology, Postgraduate course, Xiamen University, School of Management, 2024.
– Advanced Econometrics, Postgraduate course, Xiamen University, School of Management, 2023.
– Summer thesis class of Lian Xiang Hui, Online course, Lian Xiang Hui, 2023. The teachers include Lian Yujun (Associate Professor, Sun Yat-sen University) and Wang Qunyong (Professor, Nankai University).
– Thesis class of Lian Xiang Hui, Online course, Lian Xiang Hui, 2023. The teachers include Lian Yujun (Associate Professor, Sun Yat-sen University), Sha Wenbiao (Assistant Professor, Sun Yat-sen University) and Yang Haisheng (Associate professor, Sun Yat-sen University).
– Macroeconomics, Undergraduate course, Xiamen University, School of Management, 2022.

Reviewer

Serves as an anonymous reviewer for the following journals: Energy Conversion and Management, Technological Forecasting and Social Change, Journal of Cleaner Production, Energy, Financial Innovation, Process Safety and Environmental Protection, etc.

Academic conference

– Aug 2022: 2022 International Conference on Climate and Energy Finance.
– Aug 2022: The 4th China Energy, Environment and Climate Change Economic Scholars Forum.
– Jun 2023: The 5th China Energy, Environment and Climate Change Economic Scholars Forum.

PROJECTS

Key Participant	Research on Clean, Low-carbon and Safe and Efficient Development of Electricity (Natural Resources Defense Council, 2023)
Key Participant	Research on New power System Construction and Electricity Price Policy under Dual carbon Target (Industrial Bank, 2023)
Key Participant	Study on the measurement and dynamic monitoring of the medium and long term influence of dual carbon target on productivity (Major research topics in philosophy and social sciences of Ministry of Education, 2022)
Key Participant	Research on electric energy economic system and key issues under dual carbon target (Three Gorges Group, 2022)

Honor and Awards

Jan 2023	Excellent Master's Degree Thesis in Hebei Province
Jun 2021	Excellent Master's Degree Thesis in North China Electric Power University
May 2021	Merit Student in Hebei Province
Dec 2020	National Scholarship for Master's Students
Dec 2020	Excellent Postgraduate Model in North China Electric Power University
May 2018	Outstanding Graduates of Colleges and Universities in Hebei Province
May 2018	Outstanding Graduate in North China Electric Power University