

Kaifang Luo

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[Google Scholar](#)

Research interests Energy Policy and Environmental Economics

Education	University of Maryland	College Park, MD
	Ph.D. in Public Policy (specialization: Energy Economics)	2019 – 2024
	Dissertation: Three essays on decarbonization strategies	
	Central South University	Changsha, China
	MA in Public Administration	2016 – 2019
	Dept. of Public Administration	
	Huazhong Agricultural University	Wuhan, China
	B.A. in International Economics and Trade	2012 – 2016
	Dept. of Economics	

Publications

Commercial consumers pay attention to marginal prices or average prices? Implications for energy conservation policies ([link](#))

Kaifang Luo, Yueming (Lucy) Qiu, Bo Xing.
Journal of Cleaner Production, 2022.

Water savings of LEED-certified buildings ([link](#))

Kaifang Luo, John H. Scofield, Yueming (Lucy) Qiu.
Resources, Conservation and Recycling, 2021.

Working Papers

Estimation of Property Value Changes from Nearby Carbon Capture, Utilization, and Storage Projects in the United States ([link](#))

Kaifang Luo, Yueming (Lucy) Qiu, Pengfei Liu, Yingdan Mei.
USAEE Working Paper, 2023.

Renewable Energy Actor Networks Accelerate Residential Co-Adoption of Solar Photovoltaic Systems Coupled with Battery Storage

Kaifang Luo, Yueming (Lucy) Qiu, Kavita Surana.

Value of hydrogen safety: Evidence from the housing market response to hydrogen vehicle charging stations in California

Bin Lu, Kaifang Luo, Yueming (Lucy) Qiu, Pengfei Liu, Yingdan Mei.

Research grants

Research Assistant, National Science Foundation, Award # 1757329: 2020 – 2023
CAREER: Bridging the Gap between Engineering Simulation and Reality of Home Energy-Efficiency Improvements via Big-Data Analysis
Research Assistant, Alfred P. Sloan Foundation: 2022 – 2024
The Economics of Scaling Carbon Capture Utilization and Storage (CCUS) project

Honors

University of Maryland School of Public Policy, **Innovative Research Award** 2023
Meritorious Winner (World Top 8.88%), Mathematical Contest in Modeling (MCM) 2015

Conference presentations

2023:

National Bureau of Economic Research (NBER): Distributional Consequences of New Energy Policies.
The Association of Environmental and Resource Economists (AERE) 2023 Summer Conference.
2023 Association for Public Policy Analysis and Management (APPAM) Annual Research Conference (2 papers accepted).

2022:

Northeast Agricultural and Resource Economics Association (NAREA) Annual Meeting.
39th United States Association for Energy Economics (USAEE) North American Conference.
APPAM 2022 Fall Conference.

Teaching experiences

Guest Lecturer, Science and Technology Policy (graduate level), University of Maryland	2024
Guest Lecturer, Microeconomics and Policy Analysis (graduate level), University of Maryland	2023
Teaching Assistant, Microeconomics and Policy Analysis (graduate level), University of Maryland	2023
Teaching Assistant, Microeconomics and Policy Analysis (graduate level), University of Maryland	2022
Teaching Assistant, Microeconomics and Policy Analysis (graduate level), University of Maryland	2021

Academic services

Journal manuscript reviewer:

American Journal of Agricultural Economics, Energy Journal, Transactions on Engineering Management, PLOS ONE

Programming & software

Stata, Python, SQL, R, LaTeX

Languages

Mandarin (native), Cantonese (native), English (fluent), Korean