

## ACADEMIC POSITIONS

- Sep. 2022- Assistant Professor at Lee Kuan Yew School of Public Policy  
**National University of Singapore (NUS)**
- Sep. 2021-Aug. 2022 Postdoctoral Fellow, Stanford Institute for Economic Policy Research and Freeman Spogli Institute  
**Stanford University**
- Sep. 2019-Aug. 2021 Research Assistant Professor at Division of Social Science  
Junior Fellow of the Jockey Club Institute for Advanced Study  
**Hong Kong University of Science and Technology (HKUST)**
- Sep. 2018-Aug. 2019 Postdoctoral Fellow at Division of Social Science, HKUST

## EDUCATION

- Sep. 2017-Feb. 2018 Visiting Scholar at School of Global Policy and Strategy, UC San Diego
- Sep. 2014-Sep. 2018 Ph.D. in Environmental Economics, HKUST
- Sep. 2007-July 2011 B.A. in Economics, China Center for Economic Research, Peking University  
BSc. in Physics, School of Physics, Peking University

## RESEARCH INTERESTS

- Environmental Economics, Development Economics, Health Economics, Urban Economics

## PUBLICATIONS

1. “Can technology solve the principal-agent problem? Evidence from China’s war on air pollution” (with Michael Greenstone, Guojun He and Ruixue Jia), *American Economic Review: Insights*, 2022, 4(1): 54-70. National Bureau of Economic Research, w27502.
2. “The unintended impacts of agricultural fires: Human capital in China” (with Joshua Graff Zivin, Qu Tang, Yingquan Song and Peng Zhang), *Journal of Development Economics*, 2020, 147, 102560. National Bureau of Economic Research, w26205.
3. “Straw burning, PM<sub>2.5</sub> and death: Evidence from China” (with Guojun He and Maigeng Zhou), *Journal of Development Economics*, 2020, 145, 102468.
4. “Avoidance behavior against air pollution: Evidence from online search indices for anti-PM<sub>2.5</sub> masks and air filters in Chinese cities” (with Guojun He and Alexis K.H. Lau), *Environmental Economics and Policy Studies*, 2018, 20: 325-363.
5. “Statistical evidence on the impact of agricultural straw burning on urban air quality in China” (first and corresponding author, with Guojun He and Alexis K.H. Lau), *Science of the Total Environment*, 2020, 711, 134644.
6. “Time series forecasting of air quality based on regional numerical modeling in Hong Kong” (first and corresponding author, with Alexis K.H. Lau, Kai Sandbrink and Jimmy C.H. Fung), *Journal of Geophysical Research: Atmospheres*, 2018, 123(8), 4175-4196.
7. “Particulate air pollution and mortality in 38 of China’s largest cities: Time series analysis” (with Peng Yin, Guojun He, Maoyong Fan, Kwok Yan Chiu, Maorong Fan, Chang Liu, An Xue, Yuhang Pan, Quan Mu and Maigeng Zhou), *The British Medical Journal*, 2017, 356, j667.

## WORKING PAPERS

1. “Protecting the Center: Environmental regulation and regional inequality in China”
2. “Feel the burn: Mental and behavioral responses to air pollution in China”

## **RESEARCH PROJECTS**

Jan. 2021-Dec. 2023	The Costs and Benefits of Environmental Regulation on Air Pollution in China
June 2020-	The Socioeconomic Impacts of Environmental Issues in Hong Kong
Sep. 2018-June 2020	Trends and Determinants of Drug Abuse in Hong Kong
June 2018-June 2020	Estimating the External Costs of Straw Burning in China
Dec. 2016-	Personalised Real-Time Air Quality Informatics System for Exposure in Hong Kong
Jan. 2015-Jan. 2016	Distributions of Air Pollutants in Schools & Metro in Hong Kong
Sep. 2010-June 2011	An Application of Radiative Transfer Model for Solar Panel Efficiency Evaluation

## **HONORS AND AWARDS**

Feb. 2021	Best Paper Award for Sustainable Paths Toward Carbon Neutrality, CICC Global Institute (CGI)
Apr. 2018	Best Research Award, Interdisciplinary Program Office, HKUST
Nov. 2017	Overseas Research Award, HKUST
2019, 2018, 2017, 2016	Research Travel Grant, HKUST
Sep. 2014	Hong Kong PhD Fellowship Award
Nov. 2010	Special Award for Green Business Idea and Champion in North China Global Social Venture Competition 2010, China
Oct. 2010	Bronze Prize and Winner of Kawai Venture Capital Fund The 12 <sup>th</sup> Student Business Plan Competition, Peking University
May 2009	Excellence Award, 6 <sup>th</sup> Mathematical Contest in Modeling, Peking University

## **TEACHING EXPERIENCE**

Spring 2020-21	China's Sustainable Development, HKUST
Summer 2019-21	Undergraduate Research Opportunity Program, HKUST
Spring 2016-17	Environmental Policy and Natural Resource Management, HKUST, Teaching Assistant (TA)
Spring 2015-17	Economics for Environmental Policy and Management, HKUST, Tutorial Instructor and TA

## **SEMINARS AND CONFERENCES**

- 2022: Stanford University; Association of Environmental and Resource Economists (AERE) – Summer Meeting; National Bureau of Economic Research (NBER) – Environment and Energy Economics Program Meeting, Chinese Economy Meeting; Allied Social Science Associations Annual Meeting (ASSA)
- 2021: Santa Clara University; Stanford University; London School of Economics; University of Mannheim; National University of Singapore; Chinese University of Hong Kong – Shenzhen; Jinan University; Shanghai University of Finance and Economics; NBER Chinese Economy Meeting; ASSA
- 2020: China Economics Summer Institute; Econometric Society World Congress; 3<sup>rd</sup> Annual LSE Workshop in Environmental Economics; AERE Summer Meeting; EALE SOLE AASLE World Conference; NBER Chinese Economy Meeting; ASSA
- 2019: NBER Summer Institute – IT and Digitization Workshop, Environment and Energy Economics Workshop; Hong Kong Baptist University; European Association of Environmental and Resource Economists (EAERE) – Annual Conference; ASSA
- 2018: International Symposium on Contemporary Labor Economics, Xiamen University; Association of Pacific Rim Universities 9<sup>th</sup> Research Conference on Population Aging, Hong Kong; World Congress of Environmental and Resource Economists (WCERE), Gothenburg; China Workshop Series, UC San Diego; ASSA
- 2017: Shanghai Jiaotong University
- 2016: EAERE Annual Conference; AERE Summer Meeting; Forum on Urban Emission and Air Quality Modelling, Tianjin
- 2015: Asian Oceania Geosciences Society 12<sup>th</sup> Annual Meeting, Singapore; Community Multi-Scale Air Quality Modelling Workshop, Hong Kong; The 9<sup>th</sup> Regional Air Quality Management Conference, Guangzhou

## **REFEREE SERVICES**

- Journal of Development Economics, Journal of Environmental Economics and Management, Review of Development Economics, Environment and Development Economics, Environmental Economics and Policy Studies, China Economic Review, Economic Development and Cultural Change, Lancet, Scientific Reports, Atmospheric Environment

## **COMPUTER AND LANGUAGE SKILLS**

- R, C, Python; Stata, ArcGIS, QGIS, Origin; Linux; LaTeX, LyX
- Mandarin (native), English (fluent), Cantonese (proficient), Japanese (N3)