

Pan He

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EDUCATION

University of Maryland	College Park, MD
PhD in Geographical Sciences	May 2018
Nanjing University	Nanjing, China
M.S. in Environmental Science, concentration in Environmental Policy	Jun. 2014
B.S. in Environmental Science	Jun. 2011

PUBLICATIONS

Pan He, Giovanni Baiocchi, Klaus Hubacek, Kuishuang Feng, Yang Yu. The environmental impacts of rapidly changing diets and their nutritional quality in China. *Nature Sustainability*, 2018, 1(3): 122.

Pan He, Bing Zhang. Environmental Tax, Polluting Plants' Strategies and Effectiveness: Evidence from China. *Journal of Policy Analysis and Management*. doi:10.1002/pam.22052

Bing Zhang, Hanxun Fei, **Pan He**, Yuan Xu, Zhanfeng Dong, Oran R. Young. The indecisive role of the market in China's SO₂ and COD emissions trading. *Environmental Politics*, 2016: 1-24.

Jun Bi, Oran R. Young, Robert Costanza, Lingxuan Liu, Roger Kasperson, Ye Qi, Daniel Guttman, Kejun Jiang, Daniel Mazmanian, Shiqiu Zhang, Junjie Zhang, Gail Osherenko, Robert Percival, Bing Zhang, Haikun Wang, **Pan He**, Miaomiao Liu, 2013, Same Dream, Different Beds: Can America and China Take Effective Steps to Solve the Climate Problem? *Global Environmental Change: Part A –Human and Policy Dimensions*, 2014 vol.24: 2-4.

Beibei Liu, **Pan He**, Bing Zhang, Jun Bi. Impacts of alternative allowance allocation methods under a cap-and-trade program in power sector. *Energy Policy*. 2012; 47: 405-415.

Lingxuan Liu, **Pan He**, Bing Zhang, Jun Bi. Red and green: public perception and air quality information in urban China. *Environment*. 2012; 54(3): 44-49.

Lingxuan Liu, Bing Zhang, Jun Bi, Qi Wei, **Pan He**. The greenhouse gas mitigation of industrial parks in China: A case study of Suzhou Industrial Park. *Energy Policy*. 2012; 46: 301-307.

Yongliang Zhang, Bing Zhang, Jun Bi, **Pan He**. Modeling the impact of uncertainty in emissions trading markets with bankable permits. *Frontiers of Environmental Science & Engineering*. 2012; July: 1-11.

Pan He, Qi Wei, Bing Zhang. Research on subwatershed-based trading ratio of water quality trading. *Water Resources Protection (In Chinese)*. 2013; 29(2): 86-90.

WORKS IN PROGRESS

Pan He, Kuishuang Feng, Giovanni Baiocchi, Laixiang Sun, Klaus Hubacek. Examining the unequal food-health-environment nexus in the United States.

Pan He, Giovanni Baiocchi, Klaus Hubacek, Kuishuang Feng, Yang Yu. Environmental impacts of dietary quality improvement in China. (Under Review, *Environmental Science & Technology*)

WORKS IN PROGRESS

Pan He, Beiming Cai, Giovanni Baiocchi. Uncovering the driving forces of changing GHG emissions of Chinese diet.

Pan He, Giovanni Baiocchi, Klaus Hubacek, Kuishuang Feng. National environmental impacts of reducing global dietary health risks.

Pan He, Cheng Xu. Adapt Travel Patterns to Outdoor Air Pollution: Evidence from China.

Pan He, Giovanni Baiocchi, Cheng Xu. Cycling on the fluctuating gasoline price: Evidence from the Capital Bikeshare.

Li Fang, Hongjie Chen, **Pan He**, Yao Yao, Chuanhao Tian. Beyond the Ceremony: Mega-Event, Air Quality and Political Career in China. (Under Review, Regional Science and Urban Economics)

RESEARCH EXPERIENCE

Research Assistant, Department of Geographical Sciences, University of Maryland Aug. 2013 – May 2018

Research Assistant, School of Environment, Nanjing University Aug. 2011 – Jun. 2013

TEACHING EXPERIENCE

Independent instructor, GEOG 506, Introduction to Quantitative Methods for the Geographic Environmental Sciences, University of Maryland May – Aug. 2016

Teaching Assistant, GEOG 306, Introduction to Quantitative Methods for the Geographic Environmental Science, University of Maryland Jan. 2015, 2016, 2017

Teaching Assistant, Environmental Governance: Comparison between the United States and China, Nanjing University Sep. 2012 – Jan. 2013

SELECTED PRESENTATIONS AND POSTERS

Environmental impacts of shifting to healthy diet: Case of China, United States Society for Ecological Economics 9th Biennial Conference, St. Paul, Minnesota, Jun. 2017.

The dual effects behind the dishes: Associating environmental impacts and nutrition adequacy of China's diet. Second International Conference of the Sustainable Consumption Research and Action Initiative, Orono, Maine, Jun. 2016.

Eating less, emitting more: Dietary pattern transition and the associated environmental footprints in China. 2016 Chinese Environmental Scholars Forum, Princeton, New Jersey, Jun. 2016.

The effectiveness of the price tools in environmental regulation: evidence from the Pay for permit policy in the Tai Lake Basin. Forum on the frontiers of environmental and energy economics in China, Shanghai, China, Jul. 2014.

SELECTED FELLOWSHIPTS AND AWARDS

Excellence in Graduate Research Award, the Department of Geographical Sciences, University of Maryland 2018

2nd Place, Oral Session (Environmental), Graduate Research Appreciation Day, University of Maryland 2018

SELECTED FELLOWSHIPTS AND AWARDS

Ph.D. Student Best Paper Award, Section on Chinese Public Administration, American Society for Public Administration	2018
Best poster, Berkeley Chinese Environmental Scholars Forum	2017
Honorable mention, Annual Graduate School Three-Minute Thesis competition, University of Maryland	2016
1 st Place, Oral Session (Environmental), Graduate Research Appreciation Day, University of Maryland	2016
Outstanding graduate, Nanjing University	2011
Second-class Guanghua Educational Scholarship	2010
Outstanding Student, Nanjing University	2009, 2010
National Scholarship, Nanjing University	2009
Outstanding Student of School of the Environment, Nanjing University	2008
First-class People's Scholarship, Nanjing University	2008, 2010
Third-class UPM-Kymmene Scholarship, Nanjing University	2008

REVIEW ACTIVITIES

Reviewer: Ecological Economics, Ecological Indicators, Journal of Renewable and Sustainable Energy, Carbon Management, Scientific Report, Journal of Cleaner Production, Resources, Conservation & Recycling

TECHNIQUES AND SKILLS

Statistical analysis, econometric modeling, matrix manipulation, data crawling and mining, data visualization (R, Stata, Matlab, and python), agent-based model (Netlogo)
Basic use of Geographic Information Systems, spatial analysis (ArcGIS)
Language: Chinese (native), English (proficient)