# 张俊杰

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**研究领域**

环境经济学
气候变化经济学
绿色金融

**教育背景**

| | |
|---|---|
| 杜克大学，环境经济学，博士 | 2003-2008 |
| 清华大学，环境工程，硕士 | 2001-2003 |
| 清华大学，环境工程，第二学士 | 1999-2001 |
| 中国人民大学，环境经济与管理，学士 | 1996-2001 |

**全职工作**

**杜克大学**，尼古拉斯环境学院

| | |
|---|---|
| 环境经济学教授 | 2023- |
| 环境经济学副教授 | 2016-2023 |

**昆山杜克大学**

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|---|---|
| 可持续投资研究项目，创始主任 | 2022- |
| 环境研究中心，创始主任 | 2016-2021 |
| 环境政策硕士项目，创始主任 | 2016-2021 |

**加州大学圣地亚哥分校**，全球政策与战略学院

| | |
|---|---|
| 环境经济学副教授 | 2015-2016 |
| 环境经济学助理教授 | 2008-2015 |

**学术兼职**

**武汉大学**，经济与管理学院

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|---|---|
| 兼职教授 | 2023-2026 |

**清华大学**，苏世民书院

| | |
|---|---|
| 兼职教授 | 2022-2024 |
| 大众汽车可持续发展访问讲席教授 | 2021-2022 |

**加州大学圣塔芭芭拉分校**，布伦环境科学与管理学院

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|---|---|
| $UCE^3$ 访问学者 | 2011-2011 |

**社会兼职**

| | |
|---|---|
| 华泰证券资管公司，独立董事 | 2022- |
| 绿色金融 60 人论坛，首席经济学家 | 2021- |
| 中国环境科学会环境经济学分会，副主任委员 | 2017- |
| 尼古拉斯环境政策研究所，理事 | 2016- |
| 环球中国环境专家协会，理事 | 2015-2020 |

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|---|---|
| 亚洲环境与资源经济学会，监事 | 2017-2019 |
| 美国亚洲协会，高级顾问 | 2012-2016 |

## 期刊编辑

| | |
|---|---|
| *Journal of the Assn of Env and Res Econ (JAERE)*, 编委 | 2020- |
| *Journal of Env Economics & Management (JEEM)*, 编委 | 2018- |
| *Journal of Economic Behavior & Organization*，副主编 | 2021-2023 |
| *China Economic Review*，共同主编 | 2018-2021 |
| *Journal of Environment & Development*，编委 | 2016-2021 |
| *Marine Resource Economics*，副主编 | 2011-2016 |

## 英文论文

Wang, Z. and J. Zhang (2023). "The Value of Information Disclosure: Evidence from Mask Consumption in China". *Journal of Environmental Economics and Management* 122, p. 102865.

Wang, W. and J. Zhang (2023). "The Population Affected by Dust in China in the Springtime". *PLOS ONE*.

He, X., Z. Luo, and J. Zhang (2022). "The impact of air pollution on movie theater admissions". *Journal of Environmental Economics and Management* 112, p. 102626.

Wang, J., J. Zhang, and P. Zhang (2022). "Rising temperature threatens China's cropland". *Environmental Research Letters* 17.8, p. 084042.

Cui, J., C. Wang, J. Zhang, and Y. Zheng (2021). "The effectiveness of China's regional carbon market pilots in reducing firm emissions". *Proceedings of the National Academy of Sciences* 118.52, e2109912118.

Karplus, V. J., J. Zhang, and J. Zhao (2021). "Navigating and Evaluating the Labyrinth of Environmental Regulation in China". *Review of Environmental Economics and Policy* 15, pp. 300–322.

Sumaila, U. R., M. Walsh, K. Hoareau, A. Cox, L. Teh, P. Abdallah, W. Akpalu, Z. Anna, D. Benzaken, B. Crona, T. Fitzgerald, L. Heaps, I. Issifu, K. Karousakis, G. M. Lange, A. Leland, D. Miller, K. Sack, D. Shahnaz, T. Thiele, N. Vestergaard, N. Yagi, and J. Zhang (2021). "Financing a sustainable ocean economy". *Nature Communications* 12.1, p. 3259.

Zheng, X., R. Wang, A. Y. Hoekstra, M. S. Krol, Y. Zhang, K. Guo, M. Sanwal, Z. Sun, J. Zhu, J. Zhang, A. Lounsbury, X. Pan, D. Guan, E. G. Hertwich, and C. Wang (2021). "Consideration of culture is vital if we are to achieve the Sustainable Development Goals". *One Earth* 4.2, pp. 307–319.

Ghanem, D., S. Shen, and J. Zhang (2020). "A Censored Maximum Likelihood Approach to Quantifying Manipulation in China's Air Pollution Data". *Journal of the Association of Environmental and Resource Economists* 7.5, pp. 965–1003.

Morris, S. D. and J. Zhang (2019). "Validating China's output data using satellite observations". *Macroeconomic Dynamics* 23.8, pp. 3327–3354.

Zhang, J. and Q. Mu (2018). "Air pollution and defensive expenditures: Evidence from particulate-filtering facemasks". *Journal of Environmental Economics and Management* 92, pp. 517–536.

Cui, J., J. Zhang, and Y. Zheng (2018). "Carbon pricing induces innovation: Evidence from China's regional carbon market pilots". *American Economic Association Papers & Proceedings* 108, pp. 453–57.

Long, Y., J. Wang, K. Wu, and J. Zhang (2018). "Population exposure to ambient $PM_{2.5}$ at the subdistrict level in China". *International Journal of Environmental Research and Public Health* 15.12, p. 2683.

Li, J. and J. Zhang (2018). "Regional cooperation on carbon markets in east Asia". *Asian Development Review* 35.2, pp. 153–179.

Zhang, P., O. Deschenes, K. Meng, and J. Zhang (2018). "Temperature effects on productivity and factor reallocation: Evidence from a half million Chinese manufacturing plants". *Journal of Environmental Economics and Management* 88, pp. 1–17.

Yang, Y., J. Zhang, and C. Wang (2018). "Forecasting China's carbon intensity: Is China on track to comply with its Copenhagen commitment?" *Energy Journal* 39.2, pp. 147–171.

Zhang, J., Z. Wang, and X. Du (2017). "Lessons learned from China's regional carbon market pilots". *Economics of Energy & Environmental Policy* 6.2, pp. 1–20.

Zhang, P., J. Zhang, and M. Chen (2017). "Economic impacts of climate change on agriculture: The importance of additional climatic variables other than temperature and precipitation". *Journal of Environmental Economics and Management* 83, pp. 8–31.

Wang, C., Y. Yang, and J. Zhang (2015). "China's sectoral strategies in energy conservation and carbon mitigation". *Climate Policy* 15, pp. 60–80.

Zhang, J. and C. Wang (2014). "China's hydrofluorocarbon challenge". *Nature Climate Change* 4.11, pp. 943–945.

Ghanem, D. and J. Zhang (2014). "Effortless perfection: Do Chinese cities manipulate air pollution data?" *Journal of Environmental Economics and Management* 68.2, pp. 203–225.

Bi, J., O. R. Young, R. Costanza, L. Liu, R. Kasperson, Y. Qi, D. Guttman, K. Jiang, D. Mazmanian, S. Zhang, J. Zhang, G. Osherenko, R. Percival, B. Zhang, H. Wang, P. He, and M. Liu (2014). "Same dream, different beds: Can America and China take effective steps to solve the climate problem?" *Global Environmental Change* 24, pp. 2–4.

Liu, A. and J. Zhang (2013). "Fiscal decentralization and environmental infrastructure in China". *B.E. Journal of Economic Analysis and Policy* 13.2, pp. 733–759.

Zhang, J. (2013). "The incentives for China's climate actions". *International Affairs Forum* 4.1, pp. 27–31.

Zhang, J., J. Fleming, and R. Goericke (2012). "Fishermen's perspectives on climate variability". *Marine Policy* 36.2, pp. 466–472.

Zhang, J. and M. D. Smith (2011a). "Estimation of a generalized fishery model: A two-stage approach". *Review of Economics and Statistics* 93.2, pp. 690–699.

Zhang, J. and C. Wang (2011). "Co-benefits and additionality of the Clean Development Mechanism: An empirical analysis". *Journal of Environmental Economics and Management* 62.2, pp. 140–154.

Zhang, J. and M. D. Smith (2011b). "Heterogeneous response to marine reserve formation: A sorting model approach". *Environmental and Resource Economics* 49.3, pp. 311–325.

Li, S., Y. Liu, and J. Zhang (2011). "Lose some, save some: Obesity, automobile demand, and gasoline consumption". *Journal of Environmental Economics and Management* 61.1, pp. 52–66.

Zhang, J. (2011). "Behavioral response to stock abundance in exploiting common-pool resources". *B.E. Journal of Economic Analysis and Policy* 11.1.

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Smith, M. D., J. Zhang, and F. C. Coleman (2007). "Structural modeling of marine reserves with Bayesian estimation". *Marine Resource Economics* 22.2, pp. 121–136.

Smith, M. D., J. Zhang, and F. C. Coleman (2006). "Effectiveness of marine reserves for large-scale fisheries management". *Canadian Journal of Fisheries and Aquatic Sciences* 63.1, pp. 153–164.

**英文报告**

Goron, C. and J. Zhang (2023). *Pathways Towards a Just Transition to Carbon Neutrality in China*. Friedrich-Ebert-Stiftung.

Wang, W. and J. Zhang (2023). *Ocean-based carbon dioxide removal landscape in China*. ClimateWorks Foundation.

Huang, Z. and J. Zhang (2018). "Developing non-market approaches through regional cooperation platforms". In: Stavins, R. N. and R. C. Stowe. *International Cooperation in East Asia to Address Climate Change*. Harvard University Belfer Center.

Zhang, J., D. Liu, L. Xue, X. Chen, and H. Wu (2017). *Achieving a Socially Equittable Energy Transition in China*. Friedrich-Ebert-Stiftung.

Auffhammer, M., C.-Y. C. L. Lawell, J. Bushnell, O. Deschenes, and J. Zhang (2016). "Economic considerations: Cost-effective and efficient climate policies". In: *Bending the Curve: Ten Scalable Solutions for Carbon Neutrality and Climate Stability*. Ed. by V. Ramanathan. Vol. 2. 1. Collabra. Chap. 4, pp. 1–14.

Zhang, J. (2012). *Delivering Environmentally Sustainable Economic Growth: The Case of China*. Asia Society Policy Report.

## 中文发表

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张俊杰 (2018). 《一带一路投资绿色标尺》. 人民出版社.

葛察忠, 璩爱玉, 张俊杰, 李红祥, 董战峰 (2017). 《环境经济研究进展（第 *11* 卷）》. 中国环境出版社.

张俊杰, 曾思育, 陈吉宁 (2004). “再生水与长距调水的费用—效果比较”. 《中国给水排水》 20.11, pp. 22–24.

张俊杰，邹骥，陈吉宁 (2003a). “火电部门二氧化碳排放动态基准线的构造及其应用”. In: 《全球气候变化研究：进展与展望》. Ed. by 吕学都，王文远. 气象出版社.

张俊杰，邹骥，陈吉宁 (2003b). “电力部门清洁发展机制项目减碳成本计算研究”. In: 《全球气候变化研究：进展与展望》. Ed. by 吕学都，王文远. 气象出版社.

张俊杰, 张悦, 陈吉宁, 张天柱 (2003). “居民对再生水的支付意愿及其影响因素”. 《中国给水排水》 19.6, pp. 96–98.

邹骥，陈吉宁，张俊杰，王灿，艾宁，齐小凡 (2001). “布什政府撤回控制温室气体排放承诺的原因和影响”. 《环境观察与评论》 3.2, pp. 13–19.

## 课题项目

国家自然科学基金基金面上项目 #72373058，课题负责人 2024-2027
“气候转型风险的经济后果”

Friedrich-Ebert-Stiftung, PI 2023-2024
”Enhancing a Just Transition Finance System for Carbon-Intensive Industries”

嘉鹏人才基金，课题负责人 2022-2024
“可持续投资研究项目”

Asian Development Bank, PI 2023-2023
”Cross-Border Market Linkages in Asia and the Pacific”

能源基金会，课题负责人 2022-2023
“中国电子信息产业应对国内外低碳发展新要求的转型路径和政策建议”

The US-China Business Council, PI 2022-2023
“Policy Recommendations Report for Contributing to China’s Carbon Neutrality Objectives”

尼克斯，课题负责人 2022-2023
“中国气候指数开发”

Packard Foundation and Paradise Foundation, PI 2021-2023
"Blue Pioneers Program: Phase II"

清华三峡气候与低碳中心，课题负责人 2022-2022
"绿色金融与碳金融如何支持能源央企的发展"

长岛海洋生态文明综合试验区，课题负责人 2021-2022
"长岛海洋生态文明综合试验区双碳规划项目"

昆山高新区，课题负责人 2021-2022
"碳排放核算及双碳战略"

能源基金会，课题负责人 2021-2022
"碳市场金融属性的发挥与完善"

ClimateWorks Foundation, PI 2021-2022
"Ocean Carbon Dioxide Removal (CDR) in China"

German Development Cooperation GIZ Office, Co-PI 2021-2022
"Deutsch-Chinese Umweltpartnerschaft Phase II"

Friedrich-Ebert-Stiftung, PI 2021-2022
"Enabling a Just Transition towards Carbon Neutrality in China"

生态环境部对外合作交流中心，课题负责人 2021-2022
"基于投入与需求的中国生物多样性保护资金比较分析"

国家自然科学基金面上项目 #71773043，课题负责人 2018-2022
"基于防护支出法量化空气污染损失的实证研究"

国家自然科学基金面上项目 #71773062，子课题负责人 2018-2022
"通过劳动力市场评估空气污染对经济的影响——基于计量经济学和 CGE 模型耦合的分析"

《南方能源观察》杂志社，课题负责人 2016-2022
"能源青年行项目"

US National Science Foundation #1600267, PI 2016-2022
"Coastal SEES Collaborative Research: Climate change impacts on the sustainability of key fisheries of the California Current System"

Environmental Defense Fund, PI 2020-2021
"Disentangle the Regulatory Complexity in China's Fisheries Management"

巨丰金控科技，课题负责人 2020-2021
"中国企业 ESG 评级与财务绩效的关系研究"

苏州市政府，子课题负责人 2020-2021
"苏州市重污染天气差异管控社会经济效益评估"

Asian Development Bank, Consultant 2019-2021
"Advanced Renewable Energy Technology Demonstration-TA Implementation Consulting Service"

Packard Foundation and Paradise Foundation, PI 2019-2021
"Blue Pioneers Program: Phase I"

中国环境与发展国际合作委员会，课题组副组长 2019-2020
"关于促进生态保护和生物多样性融资的政策建议"

昆山市政府，课题负责人 2019-2020
"母婴群体的大气污染防护行为研究"

生态环境部对外合作与交流中心，课题负责人 2019
"泰国固体废物管理政策及资源化发展路径研究"

哈尔滨工业大学（深圳），课题负责人 2018-2019
"碳排放权定价机制研究：碳定价对低碳创新与社会经济的影响研究"

能源基金会项目，课题负责人 2017-2019
"中国碳市场顶层设计的经济学分析"

国家自然科学基金应急管理项目 #71771010，子课题负责人 2017-2018
"美国退出《巴黎气候变化协议》决定的潜在风险与政策博弈分析"

深圳经济特区金融学会，课题负责人 2018
"碳金融工具在深圳碳市场中的现状与发展"

中国环境科学研究院，子课题负责人 2017
"水污染防治法修订中的费用效益分析"

Friedrich-Ebert-Stiftung, PI 2016-2017
"Achieving a Socially Equitable Energy Transition in China"

Asian Development Bank, Consultant 2016-2017
"Regional Cooperation on Carbon Markets in East Asia"

生态环境部环境规划院，课题负责人 2016-2017
"区域环境信用指标体系及政策机制研究"

生态环境部政研中心，课题负责人 2016
"中国环境政策费用效益分析方法构建与应用"

World Bank/GEF, International Consultant on Adaptation 2012-2016
"China Climate Technology Needs Assessment"

US National Science Foundation, Co-I 2010-2016
"Ecological Transitions in the California Current Ecosystem: Phase II"

Korean Association of Industrial Organization, PI 2013-2014
"A Study on Improving Capacity Market Structure and Capacity Market"

Bertelsmann Foundation/Asia Society, PI 2012-2013
"Delivering Environmentally Sustainable Economic Growth"

US National Oceanic and Atmospheric Administration, PI 2010-2012
"The Impact of Climate Change on Fishery Production"

US National Science Foundation, Co-I 2009-2011
"Maps and Locals: A Cross-Site LTER Comparative Study of Land-Cover and Land-Use Change with Spatial Analysis and Local Ecological Knowledge"

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