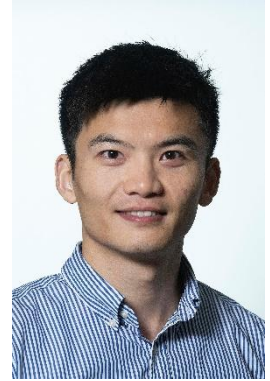


叶全梁 — 个人简历

个人信息和联系方式

姓名: 叶全梁 (Quanliang YE)
性别: 男 (他)
籍贯: 浙江绍兴
出生年月: 1993年4月
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电子邮箱: yequanliang1993@gmail.com
邮寄地址: International Institute for Applied Systems Analysis (IIASA),
Schlossplatz 1, 2361, Laxenburg, Austria
谷歌学术: <https://scholar.google.com/citations?user=WNgSJnsAAAAJ&hl=en>
ORCID: <https://orcid.org/0000-0002-6135-3403>
个人网站: https://yequanliang1993.github.io/site_quanliang_ye



教育背景

- 09/2018 – 08/2022** 产业生态学博士，荷兰特温特大学 (University of Twente, The Netherlands)
论文: “Enhanced input-output modelling for improved assessment of supply chain-wide environmental pressures in space and time: the case of China”
- 10/2021 – 01/2022** 访问学者，荷兰格罗宁根大学 (University of Groningen, The Netherlands)
研究项目: China’s future capital development and associated dynamic impacts on China’s carbon emissions
- 09/2015 – 06/2018** 环境科学硕士，河海大学 (Hohai University, China)
论文: 基于水足迹和虚拟水贸易的水资源优化配置研究: 以水资源短缺地区为例
- 09/2011 – 06/2015** 数学与应用数学学士，河海大学 (Hohai University, China)
论文: 辐射流体力学的数学模型研究

学术任职经历

- 02/2025 – 至今** 助理研究员，能源、气候及环境计划 (Energy, Climate, and Environment, ECE)
国际应用系统分析研究所 (International Institute for Applied Systems Analysis)
领衔开发绿色资本综合评估模型 (FeliX)，精准捕捉不同资本要素在人类-地球系统中的动态反馈机制，实现复杂系统相互作用的综合模拟
- 05/2022 – 06/2025** 博士后研究员，丹麦环境评估中心 (Danish Center of Environ. Assess.)
丹麦奥尔堡大学 (Aalborg University, Denmark)
合作创建全球“气候足迹数据库” (BONSAI)，覆盖49个国家和地区、558个经济部门、10258种产品的温室气体排放清单，推动产品尺度全生命周期温室气体排放数据开源共享

10/2023 – 01/2025 博士后研究员，奈梅亨管理学院（Nijmegen School of Management）
荷兰奈梅亨大学（Radboud University, The Netherlands）
利用系统动力学模型，领衔开发绿色人力资本存量与增量精准核算方法

主持参与项目与获奖

项目

- 2023 – 2026** 欧洲联盟地平线项目 – 气候能源与流动性：CHOICE – 饮食结构变化与气候的相互影响机制研究。参与
- 2022 – 2026** 欧洲联盟地平线项目 – 气候能源与流动性：WorldTrans – 透明评估为真实人群服务。参与
- 2021 – 2025** 丹麦KR基金会项目：“数据精准项目”。参与
- 2018 – 2022** 中国国家留学基金委员会（CSC）：“增强型投入产出建模以改善供应链全局环境压力的时空评估”。主持

获奖

- 2023** 第17届哲学与社会科学优秀成果奖，二等奖（排名3/3）
- 2021** 中国工商联科技奖，三等奖（排名1/1）
- 2018 – 2022** 中国国家留学基金委员会（CSC），编号 201806710143
- 2018** 河海大学2018年优秀硕士论文奖
- 2017** 2017年国家研究生奖学金，20000元人民币
- 2016** 第九届全国大学生节能减排社会实践与科技竞赛，二等奖（排名3/6）
- 2016** 第二届“协鑫杯”大学生绿色能源科技创新创业大赛，三等奖（排名2/4）
- 2015, 2016, 2017** 河海大学一等奖学金（年级排名1/65），每年12000元人民币
- 2013** 全国大学生数学建模竞赛，三等奖

教学与指导

- 02/2025 – 至今** 合作导师，国际应用系统分析研究所
 - Poornima Kumar, YSSP 2025, 英国牛津大学（University of Oxford, UK）
 - 张玲博士，2026年6月毕业于北京大学，YSSP 2024 / 联合培养博士生
- 01/2024 – 01/2025** 讲师，奈梅亨大学管理学院
 - Qualitative Research Methods（定性研究方法，本科生/硕士预科课程）
 - Project Responsible Organisation: Business Analysis for Responsible Organisation（负责组织分析：负责任组织的商业分析，本科课程）
 - Bachelor's Thesis for specialisation in Business Administration（商业管理专业学士论文）
 - Bachelor's Thesis International Business Administration（国际商业管理专业学士论文）
- 05/2022 – 06/2025** 合作导师，奥尔堡大学规划系
 - 肖越博士，2023年12月毕业于维也纳经济与商业大学（Vienna University of

Economics and Business, Austria)

- 徐东晓博士，2024年5月毕业于北京师范大学
- 王新梓硕士，2024年6月毕业于河海大学

10/2022 – 11/2022 客座讲师，奥尔堡大学规划系

- 可持续发展与环境管理概论

01/2020 – 09/2020 合作导师，特文特大学

- 张毅硕士，2022年6月毕业于河海大学

09/2019 – 01/2020 助教，特文特大学

- Water and Energy（水与能源，硕士课程）

1/2019 – 11/2019 客座讲师，特文特大学

- 投入产出建模：理论到实践

11/2016 – 06/2017 合作导师，河海大学环境学院

- 崔岩学士，2027年6月毕业于河海大学

研究成果

Google Scholar: h指数（16），总引用次数（905次）

以第一作者/第一通讯作者发表:

Zhang, L.[†], Ye, Q.^{†,*}, Kharrazi, A., Huang, Q., Wu, J., Fath, B. D. (2026) A three-decade-long analysis shows rising threatened species and responsibility gaps in global supply chains. *Proceedings of the National Academy of Sciences of the United States of America* 123 (37) e2604868123 ([†] These authors contribute equally)

Ye, Q.^{*}, Shan, Y.^{*}, and Hubacek, K.^{*}. (2024) Promoting inter-generational equity calls strong sustainability and strategic investments in long-lasting capital systems. *Cell Reports Sustainability* 1 (9), 100153

Ye, Q., Liu, Q., Swamy, D., Gao, L., Moallemi, E. A., Rydzak, F., Eker, S.^{*} (2024) FeliX 2.0: An integrated model of climate, economy, environment, and society interactions. *Environmental Modelling & Software*, 106121

Ye, Q., Krol, M.S., Shan, Y.^{*}, Berger, M., and Hubacek, K.^{*} (2023) Allocating capital-associated CO2 emissions along full lifespan of capital investments helps re-assessing emission responsibilities. *Nature Communications* 14, 2727 (**他引次数 43，期刊影响因子 18.1**)

Ye, Q.^{*}, Bruckner, M., Wang, R., Schyns, J.F., Zhuo, L., Yang, L., Su, H. and Krol, M.S. (2022) A hybrid multi-regional input-output model of China: Integrating the physical agricultural biomass and food system into the monetary supply chain. *Resources, Conservation and Recycling* 177 (**他引次数 69，期刊影响因子 10.4**)

Ye, Q.^{*}, Wang, R., Schyns, J.F., Zhuo, L., Yang, L. and Krol, M.S. (2022) Effects of production fragmentation and inter-provincial trade on spatial blue water consumption and scarcity patterns in China. *Journal of Cleaner Production* 334 (**期刊影响因子 10.7**)

Ye, Q., Hertwich, E.G., Krol, M.S., Font Vivanco, D., Lounsbury, A.W., Zheng, X., Hoekstra, A.Y., Wang, Y. and Wang, R.^{*} (2021). Linking the Environmental Pressures of China's Capital Development to Global Final Consumption of the Past Decades and into the Future. *Environmental Science & Technology* 55(9), 6421-6429 (**他引次数 35，期刊影响因子 12.2**)

Ye, Q., Li, Y.^{*}, Zhuo, L., et al. (2018). Optimal allocation of physical water resources integrated with virtual water trade in water scarce regions: A case study for Beijing, China. *Water Research* 129, 264-276 (**他引次数 175，期刊影响因子 12.8**)

- Ye, Q.**, Li, Y.*, Zhang, W. and Cai, W. (2019). Influential factors on water footprint: A focus on wheat production and consumption in virtual water import and export regions. *Ecological Indicators* 102, 309-315
- Wu, Z., Zhao, M., and **Ye, Q.*** (2023) The influence of technology improvements and the consistency of environmental and economic indicators on decoupling of greenhouse gas emissions and economic growth. *Sustainable Production and Consumption* 42, 14-22 (期刊影响因子 9.2)
- Wu, Z., Yang, L., Chen, Q. and **Ye, Q.*** (2021) The impacts of international trade on global greenhouse gas emissions: A thought experiment based on a novel no-trade analysis. *Journal of Environmental Management* 300 (ABS 3, 期刊影响因子 9.2)
- Wu, Z., Wang, M. and **Ye, Q.*** (2021) Integrating the inter- and intra-annual dynamic features of capital into environmental footprint assessment: Revisiting China's greenhouse gas footprints, 1995-2015. *Science of the Total Environment* 801, 149629
- Wu, Z. and **Ye, Q.*** (2020). Water pollution loads and shifting within China's inter-province trade. *Journal of Cleaner Production* 259 (他引次数 50, 期刊影响因子 10.7)
- Wu, Z., **Ye, Q.*** and Tian, Z. (2020). Effects of the Policy and Human Intervention on the Infrastructure-Environment Nexus in China. *Sustainability* 12(18)
- Li, Y., Huang, Y., **Ye, Q.***, Zhang, W., et al. (2018). Multi-objective optimization integrated with life cycle assessment for rainwater harvesting systems. *Journal of Hydrology* 558, 659-666 (他引次数 56)

以共同作者身份发表:

- Xu, D., Zhang, Y.*, **Ye, Q.**, Shan, Y., Li, J. (2026). Over two-thirds of the historical carbon emissions embodied in legacy capital contribute to China's growing consumption-based emissions responsibility. *Environmental Impact Assessment Review* 118, 108268
- Yu, L., Wu, X., Sang, S., Li, Y., Li, C., **Ye, Q.**, Varis, O., Fu, B., Wang, S. (2026). Yellow River Basin water stress has eased but may persist without enhanced efficiency and sustainable agriculture. *Communications Sustainability* 1(1), 9
- Yu, L., Wang, S., Song, S., **Ye, Q.**, Wu, X., Fu, B. (2026). ISEHSD: a feedback-based, integrated social-ecohydrological system dynamic model for studying river basin-level transformation. *Environmental Modelling & Software* 204, 107103.
- Sun, Z., Zhan, Y., Liu, L., **Ye, Q.**, Zhang, Q*. (2024). China's dietary transition and its impact on cropland demand for sustainable agriculture. *Sustainable Production and Consumption* 49, 61–71
- Wang, X., Zhang, W.*, Li, Y., Tong, J., Yu, F., **Ye, Q.*** (2024). Impacts of water constraints on economic outputs and trade: A multi-regional input-output analysis in China. *Journal of Cleaner Production* 434, 140345
- Xu, D., Zhang, Y.*, **Ye, Q.**, Fang, Z., Li, Y., Qang, X., Yang, Z. (2023) Mapping CO2 spatiotemporal transfers embodied in China's trade using a global dynamic network model endogenizing fixed capital. *Journal of Cleaner Production* 427, 139162
- Yuguda, K.T., Li, Y.*, Zhang, W., **Ye, Q.** (2020) Incorporating water loss from water storage and conveyance into blue water footprint of irrigated sugarcane: A case study of Savannah Sugar Irrigation District, Nigeria. *Science of The Total Environment* 715, 136886
- Li, Y., Zhang, S., Zhang, W., Xiong, W., **Ye, Q.**, Hou, X., Wang, C., Wang, P. (2019). Life cycle assessment of advanced wastewater treatment processes: Involving 126 pharmaceuticals and personal care products in life cycle inventory. *Journal of environmental management* 238, 442-450 (他引次数 137, ABS 3)
- Xiong, W., Li, Y., Zhang, W., **Ye, Q.**, Zhang, S., Hou, X. (2018). Integrated multi-objective optimization framework for urban water supply systems under alternative climates and future policy. *Journal of Cleaner Production* 195, 640–650 (他引次数 41)
- Li, Y.*, Ye, Q., Liu, A., Meng, F., Zhang, W., Xiong, W. (2017). Seeking urbanization security and sustainability: Multi-objective optimization of rainwater harvesting systems in China. *Journal of Hydrology* 550, 42–53 (他引次数 43)

会议报告

Zhang, L., **Ye, Q.**, Huang, Q., Kharrazi, A., Wu, Y., Wu, J., Fath, B.D.: Two-decade-long analysis shows rising biodiversity threats and responsibility gaps in global supply chains. *World Biodiversity Forum 2026*. June 2026, University of Zurich, Davos, Switzerland

Ye, Q.: Social dynamics of household consumption in ageing societies. *The 12th International Conference on Industrial Ecology*. July 2025, National University of Singapore, Singapore

Ye, Q., Eker, S.: FeliX 2.0: An integrated model of climate, economy, environment, and society interactions. *The 17th IAMC Annual Meeting 2024*. November 2024, Yonsei University, Seoul, South Korea

Ye, Q.: Role of long-lasting capital on environmental and sustainable assessment in space and time. *The 11th International Society for Industrial Ecology conference*. July 2023, Leiden University, Leiden, the Netherlands

Ye, Q.: Climate Change: The Physical Science Basis, Impacts, Adaptation and Vulnerability, and Mitigation of Climate Change. College of Environment. May 2023, Hohai University, Nanjing, China (*Invited by the host*)

Ye, Q.: From GHG emission gap to SDGs investment gaps: efforts for sustainable development. *Department of Planning*. November 2022, Aalborg University, Aalborg, Denmark

Ye, Q.: Water pollution loads, shifting, and key drivers within China’s inter-provincial trade. *The 5th International Symposium on Shallow Flows conference*. October 2021, Hohai University, Nanjing, China

Ye, Q.: Capital Derived environmental impacts in China. *The 10th International Society for Industrial Ecology conference*. July 2019, Tsinghua University, Beijing, China

Ye, Q. and Wang, R.: Trends and patterns in the contributions to water use from different anthropogenic drivers. *The 10th International Society for Industrial Ecology conference*. July 2019, Tsinghua University, Beijing, China

Ye, Q. and **Wang, R.**: Multi-Regional Input-Output Benchmark Evaluation of Water Economic Productivity: A Policy Analysis of “Three Red Line” in China. *AEESP 2019 Research and Education Conference at ASU*. May 2019, Arizona State University, Tempe, AZ, the United States

Ye, Q.: Optimal allocation of physical water resources integrated with virtual water trade in water scarce regions: A case study for Beijing, China. *China Research Institute of Water-Saving Agriculture in Arid Regions*. August 2018, Yanglin, Shaanxi, China (*Invited by the host*)

授权专利

李轶, **叶全梁**, 张文龙, 熊维, 李杰。人工水草。专利号: CN201510797105.9, 授权日期: 2017年7月11日

李轶, 李杰, 张文龙, **叶全梁**。用于减少自然水体油污染的生态浮床。专利号: CN201510799474.1。授权日期: 2017年6月16日

学术服务与学会会员资格

09/2015 – 至今

合作联络员

- 牛津大学 (英国)
- 河海大学
- 复旦大学
- 莱顿大学 (荷兰)
- 奥尔堡大学 (丹麦)
- 挪威科技大学 (挪威)
- 维也纳经济与商业大学 (奥地利)
- 国际应用系统分析研究所 (奥地利)
- 北京大学
- 西北农林科技大学
- 山东大学
- 格罗宁根大学 (荷兰)
- 拉德堡德大学 (荷兰)

03/2016 –至今

期刊编辑与审稿人

- Communications Sustainability, Nature Portfolio期刊编委会成员
- Carbon Footprint期刊青年编委
- Frontiers in Environmental Science（淡水科学领域评论编辑）
- Nature Food（1篇）
- Water Research（7篇）
- Journal of Cleaner Production（12篇）
- Environmental Research（6篇）
- Journal of Environmental Management（3篇）
- Scientific Data（3篇）

10/2018 –至今

专业组织会员

- 工业生态学国际学会（The International Society for Industrial Ecology）
- 国际投入产出协会（The International Input-Output Association）

语言与计算机技能

语言

- 中文（母语）
- 英语（良好）
- 荷兰语（基础）

计算机技能

- Python（良好），Matlab（良好），SPSS（良好），ArcGIS（良好），Q-GIS（基础）
- Microsoft Office™ tools（良好），Photoshop CS（良好）

其他技能

- 羽毛球（良好），游泳（良好），篮球（良好），射箭（基础）

算法与数据库

算法

- 功能性环境经济联系综合纽带模型（FeliX）
<https://github.com/iiasa/Felix-Model>
- 资本内生输入输出模型（Capital-endogenized input-output model）
<https://github.com/yequanliang1993/capital-endogenized-input-output-model.git>，包括：
 基于EXIOBASE V3的全球版本
 中国的省际版本
- 中国食品与农业生物质输入输出模型
<https://github.com/yequanliang1993/fabio-chn.git>
- BONSAI: 可持续性评估信息大型开放网络
<https://gitlab.com/bonsamurais/bonsai>

数据库

- 1990至2013年中国时间序列物理供需和输入输出表
<https://doi.org/10.6084/m9.figshare.16571103.v5>
- 1990至2017年中国各省固定资本形成时间序列
<https://doi.org/10.6084/m9.figshare.20407572.v1>