

魏楚 | Chu WEI

魏楚，中国人民大学经济学院副教授，经济学博士，德国洪堡学者，国家优秀青年基金获得者。研究领域涉及能源效率分析、减排成本评估、能源需求管理等。魏楚于 2003 年进入浙江理工大学从事教学科研工作。2006 年进入浙江大学攻读博士学位，2007-2008 年受国家留学基金委资助，赴法国图卢兹经济学院进行联合培养；2009 年获经济学博士学位；2010-2011 年受德国洪堡基金会首批“国际气候保护”项目资助（全球 15 人），赴欧洲经济研究中心从事能源系统建模研究；2012 年调入中国人民大学，2014 年起任经济学院能源经济系副主任、国家发展与战略研究院“能源与资源战略中心”副主任。

魏楚先后主持了国家及省部级科研项目 14 项，全国性大型综合调查 3 项；出版著作 13 部，发表中文论文 33 篇，英文论文 19 篇（SSCI/SCI 论文 15 篇），有 4 篇为 ESI 全球高引用论文，1 篇为最热门下载论文（Top 25 Hottest Articles），研究成果被 IPCC 第五次评估报告、Nature Climate Change 等多次引用。目前论文被引用 1300 余次，H 指数为 16（16 篇论文单篇引用次数超过 16 次）。研究成果曾获得“邹至庄最佳经济学论文奖”、教育部人文社科二等奖和三等奖、浙江省哲学社科二等将和三等奖、国家能源局二等奖，撰写的智库成果被教育部、中办、北京市委等部门采纳应用，相关成果还被英国泰晤士报、中国日报、人民网、新华网、中央人民广播电台、中国社会科学文摘、中国社会科学报等媒体多次转载报道。

Chu WEI is the Associate Professor at Renmin University. He received his B.S. in management science from the University of Electronic Science and Technology of China in 2000, a Ph.D. in economics from Zhejiang University in 2009. He had intensive abroad visiting experience including Toulouse School of Economics as a joint-training Ph.D. student (2007-2008), University of Nebraska at Omaha as a visiting scholar (2009-2010) and the Centre for European Economic Research as a Alexander von Humboldt fellow (2010-2011). He joined the Department of Energy Economics at Renmin University in 2012.

Dr. Chu WEI's research focuses on energy economics, environmental economics and applied econometrics. He has worked extensively on the determinants of energy efficiency and evaluation of marginal abatement cost of pollutants. He is currently focused on the residential energy consumption in China. This work includes a national-wide household survey and several pilot intervention experiments to identify the policy instruments for residential energy management. His research has appeared in the *Energy Economics*, *Environmental and Resource Economics*, *China Economic Review*, *Energy Policy*, *Journal of Cleaner Production* and other academic journals. Dr. Chu WEI served as PI for the National Science Foundation and National Social Science Foundation. He is the recipient of the 2009 Gregory Chow Best Paper awarded by the Chinese Economist Society, the 2015 Distinguished Research Prize awarded by the Ministry of Education and the 2016 Excellent Youth Scholars Grant supported by the National Science Foundation.

个人简历 | Curriculum Vitae

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个人主页 | Homepage: <https://sites.google.com/site/xiaochu1979/Home>



教育经历 | Education

2004-2009 浙江大学, 经济学博士 | *Ph.D., Economics, Zhejiang Univ., China*

1996-2000 电子科技大学, 管理学学士 | *B.S., Management Science, Univ. of Electronic Science and Technology, China*

工作经历 | Employment & Position

2012- 中国人民大学经济学院能源经济系 副教授/国家发展与战略研究院 研究员 | *Department of Energy Economics, Renmin Uni, Associate Professor; National Academy of Development and Strategy, Fellow*

2011-2014 浙江大学中国西部研究院 资源与环境政策研究所 副所长 | *Institute for Resource and Environmental Policy, China Academy of West Region Development, Zhejiang Univ., Vice Director*

2003-2012 浙江理工大学经济管理学院, 讲师/副教授 | *College of Econ & Management, Zhejiang Sci-Tech Univ., Lecture/Associate Professor*

2001-2002 上海万国测评有限公司, 网络工程师 | *Great-wise Consultant Ltd, Shanghai, P.R.C, Network Engineer*

境外访问 | Visiting Appointment

2015.12-2016.6 加拿大谢尔布鲁克大学 | *Visiting Scholar (Canada-China Scholar Exchange Program), University of Sherbrooke, Canada*

2014.5 瑞典于默奥大学、乌普萨拉大学 | *Invited Visiting Scholar, Umea Univ. & Uppsala Univ., Sweden*

2013.11 美国宾夕法尼亚州立大学 | *Invited Visiting Scholar, Penn State University, U.S*

2010.8-2011.10 德国欧洲经济研究院(ZEW), 洪堡学者 | *Alexander von Humboldt Fellow, Center for European Economic Research (ZEW), Germany*

2011.4-2011.5 瑞典乌普萨拉大学 | *Visiting Scholar, Uppsala Univ., Sweden*

2009.11-2010.2 美国内布拉斯加大学奥马哈分校 | *Visiting Scholar, University of Nebraska at Omaha, U.S*

2007.9-2008.9 法国图卢兹经济学院, 联合培养博士生 | *Visiting Ph.D. student, Toulouse School of Economics, France*

奖励荣誉 | Awards

2015 第七届高等学校科学研究优秀成果奖(人文社会科学)二等奖(排名 2/3) | *Researching Award (2nd prize), Ministry of Education*

- 第七届高等学校科学研究优秀成果奖（人文社会科学）三等奖（排名 2/2） | *Researching Award (3rd prize), Ministry of Education*
- 能源软科学研究优秀成果奖二等奖（排名 10/10） | *Researching Award (2nd prize), National Energy Administration*
- 北京市青年社科人才 | *Beijing Young Social Science Scholar Program*
- 2013 浙江省第十七届哲学社会科学优秀成果奖二等奖（排名 2/2） | *Researching Award (2nd prize), Zhejiang Provincial Government*
- 中国人民大学明德青年学者 | *Ming-de scholar, Renmin University*
- 2012 浙江省“新世纪 151 人才计划”第二层次, 浙江省政府 | *Zhejiang 151 Talents Program (2nd level), Zhejiang Provincial Government*
- 浙江省社科联第四届社科研究优秀成果一等奖（排名 2/3） | *Researching Award (1st prize), Zhejiang Social Science Society*
- 2011 浙江省“新世纪 151 人才计划”第三层次, 浙江省政府 | *Zhejiang 151 Talents Program (3rd level), Zhejiang Provincial Government*
- 浙江省“之江青年社科学者”, 浙江省规划办 | *Zhejiang Young Social Science Scholar Program, Zhejiang Social Science Society*
- 2010 国际气候保护奖学金, 德国洪堡基金会 | *International Climate Protection Fellowships, Alexander von Humboldt Foundation*
- 2009 浙江省第十五届哲学社会科学优秀成果三等奖（排名 1/2）, 浙江省政府 | *Researching Award (3rd prize), Zhejiang Social Science Society*
- 浙江省第十五届哲学社会科学优秀成果三等奖（排名 2/2）, 浙江省政府 | *Researching Award (3rd prize), Zhejiang Social Science Society*
- 邹志庄最佳论文奖（Chow Best Paper）, 中国留美经济学会 | *Gregory-Chow Best Paper Award, Chinese Economist Society*
- 浙江省“钱江人才计划”, 浙江省人力资源和社会保障厅 | *Qianjiang Talents Program, Department of Human Resource of Zhejiang*
- 浙江省高校优秀青年教师资助计划, 浙江省教育厅 | *Excellent Young Teacher Program, Department of Education of Zhejiang*
- 华鼎奖教金, 浙江理工大学 | *Huading Teaching Award, Zhejiang Sci-Tech University*
- 2008 浙江省高校科研成果二等奖（排名 1/2）, 浙江省教育厅 | *Researching Award (2nd prize), Department of Education of Zhejiang*

学术兼职与服务 | Academic service

- **国际出版物匿名审稿人 | Referee for international journals**
Environmental Science & Technology, Global Environmental Change, Journal of Comparative Economics, Energy Economics, Resource and Energy Economics, Energy Policy, Applied Energy, Energy Efficiency, Energy for Sustainable Development, Regional Environmental Change, Natural Hazards, Applied Economics, Applied Economics Letters, China Economic Review, Journal of Cleaner Production, Economy Modelling, Computational Economics, Emerging Markets Finance and Trade, Chinese Economy, Social Science Journal, Technological Forecasting and Social Change, Singapor Economic Review, PLOS ONE, Sustainability, Empirical Economics, Routledge Publisher(book reviewer)
- **国内期刊匿名审稿人 | Referee for Chinese Journals**
 《中国社会科学》、《管理世界》、《世界经济》、《经济学季刊》、《系统工程理论与实践》、《经

济理论与经济管理》、《南方经济》、《数学的实践与认识》

- **学术兼职| Associations**

浙江大学中国西部研究院“资源与环境政策研究所”副所长（2012—）

中国优选法统筹法与经济数学研究会“能源经济与管理研究分会”副秘书长（2016—）

中国系统工程学会“能源资源系统工程分会”理事（2015—）

国家自然科学基金、北京/浙江/黑龙江/山东省自然科学基金评议专家

欧洲环境与资源经济学会(EAERE)、中国留美经济学会(CES)、中国环境与资源经济学会(CAERE)、中国环境专家学会(PACE)

教学 | Teaching

本科教学：微观经济学、宏观经济学、能源项目评价 | Undergraduate level: *Microeconomics, Macroeconomics, Evaluation of Energy Project*

研究生教学：研究方法、生产率研究 | Graduate level: *Research Methodology, Efficiency and Productivity*

研究兴趣 | Current Research Interests

能源与环境经济学、气候变化经济学、生产率与效率分析、中国经济 | *Energy and Environment Economics (Climate Change); Productivity and efficiency; Chinese Economy*

研究项目 | Selected research project

- 国家自然科学基金：居民能源需求管理，2017-2019 | *National Science Foundation, Residential Energy Demand Management, 2017-2019, PI*

- 国家自然科学基金：兼顾公平与效率的区域碳排放权分配方案设计比较，2013-2015 | *National Science Foundation, Regional carbon emission target allocation scheme in China, 2013-2015, PI*

- 国家社科基金：气候变化与‘十二五’时期中国产业结构调整研究，2010-2011 | *National Social Science Foundation, Climate change and industry restructure, 2010-2011, PI*

- 教育部人文社会科学基金：城镇化对家庭能源消费的影响，2016-2018 | *Ministry of Education of China, Urbanization and Residential Household Demand, 2016-2018, PI*

- 教育部人文社会科学基金：基于方向距离函数的污染物影子价格理论模型与实证研究，2009-2012 | *Ministry of Education of China, Shadow price of pollutant based on directional distance function, 2009-2012, PI*

- 中国博士后科学基金：基于公平和效率原则的省际碳排放配额分配研究，2013-2014 | *China Postdoctoral Science Foundation, Study on provincial carbon allowance allocation, 2013-2014, PI*

- 国家统计局统计科学研究项目：基于功能定位的京津冀产业协同发展评价研究，2014-2015 | *National Bureau of Statistics, Evaluation of interprovincial industry collaboration among Beijing-Tianjin-Hebei, 2014-2015, PI*

- 北京市自然科学基金：北京市家庭居民能源消费模式及节能途径研究，2015-2016 | *Beijing Science Foundation, Pattern and conservation policy of household energy consumption of Beijing, 2015-2016, PI*

- 北京市社科基金：调整疏解非首都功能研究，2015-2016 | *Beijing Social Science Foundation, Study of Capital function, 2015-2016, PI*

- 浙江省自然科学基金：基于最大熵原理的污染物成本理论与应用研究，2012-2013 | *Zhejiang*

- Science Foundation, Estimation of pollutant cost: a maximum entropy approach, 2012-2013, PI*
- 浙江省社科基金: 公平、有效的温室气体减排分解框架: 以浙江省为例, 2011-2012 | *Zhejiang Social Science Foundation, A effective GHG burden-sharing scheme, 2011-2012, PI*
 - 浙江省社科基金: 浙江省能源效率影响因素及对策研究, 2007-2008 | *Zhejiang Social Science Foundation, Energy efficiency and determinants of Zhejiang, 2007-2008, PI*

主要研究出版 | Selected Publications by field

A. 能源与资源效率 | Energy and Resource Efficiency

- 1) 魏楚:《中国能源效率问题研究》, 中国环境科学出版社, 2011年 | *Wei Chu (2011), Study of Energy Efficiency in China, Chinese Environmental Science Press*
- 2) 胡剑锋, 魏楚:《基于市场机制的节能减排理论、实践与政策》, 科学出版社, 2012年 | *Hu Jianfeng and Wei Chu (2012), Theory, Practice and Policy for market-based energy-saving and pollution-abatement, Science Press*
- 3) 沈满洪, 魏楚, 高登奎:《生态文明视角下的水资源配置论》, 中国财政经济出版社, 2011年 | *Shen Manhong, Wei Chu and Gao Dengkui (2011), Study of water resource allocation from ecological civilization perspective, China Financial & Economic Publishing House*
- 4) 沈满洪, 陈凯旋, 魏楚:《资源节约型社会的经济学分析》, 中国环境科学出版社, 2007年 | *Shen Manhong, Chen Kaixun and Wei Chu (2007), Resource Conservation Society: An Economic Analysis, Chinese Environmental Science Press*
- 5) *Wei Chu*, Löschel Andreas and Liu Bing (2015). Energy-saving and emission-abatement potential of Chinese coal-fired power enterprise: a nonparametric analysis, Energy Economics*
- 6) *Wei Chu and Li, Chuanzhong* (2016). Resource misallocation in Chinese manufacturing enterprises: evidence from firm-level data, Journal of Cleaner Production*
- 7) *Wei Chu*, Ni Jinlan and Shen Manhong (2009), An empirical analysis of provincial energy efficiency in China, China & World Economy*
- 8) *Du Liming*, He Yanan and Wei Chu (2010), The Relationship between Oil Price Shocks and Chinas Macro-economy: An Empirical Analysis, Energy Policy .*
- 9) *Wei Chu, Ni Jinlan* and Shen Manhong (2011), China's Energy Inefficiency: A cross-country comparison , The Social Science Journal*
- 10) *Wei Chu* and Shen Manhong (2009), What influence on the energy productivity? Evidence from China, Frontiers of Economics in China*
- 11) *Wei Chu* and Shen Manhong (2007), Impact factors of energy productivity in China: an empirical analysis, Chinese Journal of Population, Resources and Environment*
- 12) 魏楚, 沈满洪: 能源效率及其影响因素—基于 DEA 的实证分析,《管理世界》, 2007.8 | *Wei Chu and Shen Manhong (2007), Energy efficiency and its impact factors: a DEA approach, Management World, Vol.8, pp 66-76.*
- 13) 魏楚, 沈满洪: 能源效率与能源生产率: 基于 DEA 方法的省际数据比较,《数量经济技术经济研究》, 2007.9 | *Wei Chu and Shen Manhong (2007), Energy efficiency and energy productivity: a comparison based on the panel data by province, Journal of Quantitative and Technical Economics, Vol.24, No.9, pp 110-121.*
- 14) 魏楚, 杜立民, 沈满洪: 中国能实现节能减排目标么? 基于 DEA 方法的评价与模拟,《世界经济》 | *Wei Chu and Du Liming (2010), Are China's target of energy conservation and emission abatement feasible? An evaluation and simulation based on DEA, Journal of World*

Economy, Vol.3.

- 15) 魏楚, 沈满洪: 规模效率与配置效率: 一个对中国能源效率低效的解释, 《世界经济》, 2009.4 | Wei Chu and Shen Manhong (2009), *Scale and allocative inefficient: an explanation of China's energy inefficiency*, *Journal of World Economy*, Vol.4, pp 84-96.
- 16) 魏楚, 沈满洪: 能源效率研究发展及趋势: 一个综述, 《浙江大学学报(人文社会科学版)》, 2009.3 | Wei Chu and Shen Manhong (2009), *New trend of research on energy efficiency: a literature review*, *Journal of Zhejiang University*, Vol.39, No.3, pp 55-63.
- 17) 魏楚, 沈满洪: 结构调整能改善能源效率么? 基于中国省级数据的研究, 《世界经济》, 2008.11 | Wei Chu and Shen Manhong (2008), *Can structure change improve the energy efficiency?* *Journal of World Economy*, Vol.11, pp 77-85.
- 18) 魏楚, 沈满洪: 工业绩效、技术效率及其影响因素--基于 2004 年浙江省经济普查数据的实证分析, 《数量经济技术经济研究》, 2008.7 | Wei Chu and Shen Manhong (2008), *Industry performance, technology efficiency and its affecting factors: an empirical analysis based on the 2004 Zhejiang Economy Census*, *Journal of Quantitative and Technical Economics*, Vol.25, No.7, pp 18-30.

B. 环境外部性研究 | Environmental Cost

- 1) 魏楚: 《我国二氧化碳排放特征与减排战略研究: 基于产业结构视角》, 人民出版社, 2015 年 | Wei Chu (2015), *Emission Pattern and Abatement Strategy of China's CO₂: A Industry Structure Perspective*, People's Publishing House
- 2) 沈满洪, 魏楚等: 《环境经济学: 回顾与展望》, 中国环境出版社, 2015 年 | Shen Manhong and Wei Chu (2015), *Environmental Economics: Review and Prospect*, Chinese Environmental Press
- 3) 沈满洪, 魏楚, 谢慧明: 《完善生态补偿机制研究》, 中国环境出版社, 2015 年 | Shen Manhong and Wei Chu (2015), *Study of Ecological Compensation*, Chinese Environmental Press
- 4) Wei Chu*, Ni Jinlan and Du Liming (2012), *Regional Allocation of Carbon Dioxide Abatement in China*, **China Economic Review**
- 5) Du Liming*, Wei Chu and Cai Shenghua (2012), *Economic development and carbon dioxide emissions in China: Provincial panel data analysis*, **China Economic Review**
- 6) Limin Du, Aoife Hanley, Wei Chu* (2015). *Estimating the Marginal Abatement Cost Curve of CO₂ Abatement in China: Provincial Panel Data Analysis*, **Energy Economics**
- 7) Limin Du, Aoife Hanley, Wei Chu* (2015). *Marginal Abatement Costs of Carbon Dioxide Emissions in China: A Parametric Analysis*, **Environmental and Resource Economics**
- 8) Wei Chu*, Löschel Andreas and Liu Bing (2013). *An empirical analysis of the CO₂ shadow price in Chinese thermal power enterprises*. **Energy Economics**
- 9) Ni Jinlan, Wei Chu* and Du Limin (2015). *Revealing the Political Decision toward Chinese Carbon Intensity Abatement: Base on Equity and efficiency Criteria*, **Energy Economics**
- 10) Xie Huiming, Shen Manhong and Wei Chu* (2015). *Technical efficiency, shadow price and substitutability of Chinese industrial SO₂ emissions: A parametric approach*, **Journal of Cleaner Production**
- 11) Guo, Jin, Zheng, Xinye and Wei, Chu* (2016). *Disaggregating energy use cap among China's provinces*. **Journal of Cleaner Production**
- 12) Wei Chu (2015). *CO₂ marginal abatement cost and determinants*, **China Economist**
- 13) 魏楚, 黄磊, 沈满洪: 鱼与熊掌可兼得么? ——对我国环境管制波特假说的检验, 《世界经济文汇》, 2015 | Wei Chu, Huang Lei and Shen Manhong (2015), *Can one burn the candle at*

both ends? The Porter Hypothesis Revisited, World Economic Papers

- 14) 魏楚: 中国城市 CO2 边际减排成本及其影响因素, 《世界经济》, 2014 | Wei Chu (2014), *Study of Marginal Abatement Cost of CO2 of Chinese Cities, Journal of World Economy*
- 15) 魏楚, 黄文若, 沈满洪: 环境敏感性生产率研究综述, 《世界经济》, 2011.5 | Wei Chu, Huang Wenruo and Shen Manhong (2011), *A survey on environmental sensitive productivity, Journal of World Economy, Vol.4.*
- 16) 沈满洪, 吴文博, 魏楚: 近二十年低碳经济研究进展及未来趋势, 《浙江大学学报(人文社科版)》, 2011.3 | Shen Manhong, Wu Wenbo and Wei Chu (2011), *A survey on the development of low-carbon economy, Journal of Zhejiang University, Vol.(3)*

C. 能源需求管理 | Energy Demand Management

- 1) 郑新业, 魏楚, 秦萍等: 《中国家庭能源消费研究报告(2014)》, 科学出版社, 2015年 | Zheng Xinye, Wei Chu, Qin Ping, etc. (2015), *Report of Household Energy Consumption of China, Science Press*
- 2) 郑新业, 魏楚, 宋枫等: 《中国家庭能源消费研究报告(2015)》, 科学出版社, 2016年 | Zheng Xinye, Wei Chu, Song Feng, etc. (2016), *Report of Household Energy Consumption of China, Science Press*
- 3) Zheng Xinye, Wei Chu*, Qin Ping, Guo Jin, Yu Yihua, Song Feng, Chen Zhanming (2014). *Characteristics of residential energy consumption in China: Findings from a household survey, Energy Policy.*
- 4) Guo Jin, Huang Ying and Wei Chu* (2015). *North-South Debate on District Heating: Evidence from a Household Survey, Energy Policy*

D. 其他 | Other

- 1) 郑新业, 魏楚: 《京津冀协同发展背景下的功能疏解与产业协同: 基于首都核心区的视角》, 科学出版社, 2016年 | Zheng Xinye, Wei Chu (2016), *Capital function and interprovincial industry collaboration among Beijing-Tianjin-Hebei, Science Press*

其他兴趣 | Habit

- 登山徒步 | Climbing & Trekking
 - o 2008, 比利牛斯主峰安纳托(3404m) | 2008, Mt. Aneto (3404m) in Pyrenees, France
 - o 2006, 青海玉珠峰(6178m) | 2006, Mt. Yuzhu (6178m) in Qinghai
 - o 2005, 四川三姑娘(5355m) | 2005, Mt 3rd Girl (5355m) in Sichuan
 - o 2005, 珠峰前进营地(5200m)&冈仁波齐(5000m+)|2005, Everest's ABC & Kailash, Tibet
 - o 2004, 四川大姑娘(5055m)、二姑娘(5454m) | 2004, Mt. 1st & 2nd Girl, Sichuan
 - o 2004, 秦岭主峰太白(3767) | 2004, Mt. Taibai (3767m) in Shannxi
- 骑行 | Cycling
 - o 2008.7/8, 环法-瑞-德-比 | Tour de France-Swiss-Germany-Belgium, 3000 km+
 - o 2002.8/9, 环北疆 | North Xinjiang, 2000km+