

Chengyu Li



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Education Background

Highest Degree&Major

Postdoctoral Fellow, Master's Supervisor, University Distinguished Professor, Director of the Office of the Center for Industry and Innovation Research at Zhengzhou University of Light Industry, Deputy Chairperson of the Zhengzhou University of Light Industry Branch of the China Democratic League, Visiting Scholar at Peking University.

Academic Positions & Professional Titles

- Director of the Office of the Center for Industry and Innovation Research, Zhengzhou University of Light Industry
- Deputy Chairperson of the Zhengzhou University of Light Industry Branch of the China Democratic League
- Visiting Scholar at Peking University

Research Interests

Dynamic Macroeconomics, Resource and Environmental Management, Fiscal and Tax Management, Systems Analysis and Decision Making, Science and Technology Management, Financial Engineering and Risk Management, Artificial Intelligence and Machine Learning, etc.

Academic Honors & Awards

- (2/5): “The Impact of Carbon Tax Policy on China's Energy Conservation, Emission Reduction, and Macroeconomy: Theoretical Models and Scenario Simulations,” Third Prize, Sixth National Outstanding Fiscal Theory Research Achievement Award, Ministry of Finance, 2017
- (Co-author): “Resource Intensity and Regional Economic Performance: A Phased Perspective on Their Relationship and Evolution—An Empirical Analysis of 37 Countries,” Second Prize, Ninth Inner Mongolia Autonomous Region Philosophy and Social Sciences Award, People's Government of Inner Mongolia Autonomous Region, 2023
- (1/1): Elsevier 2017 Outstanding Contribution in Reviewing Award, Applied Energy (SCI, Q1), 2017
- (1/1): First Outstanding Reviewer Award, Environmental Economics Research, 2017
- (1/1): Annual Outstanding Reviewer Award, Environmental Economics Research, 2021

- (2/4): “Predictive Study on the Macroeconomic Impact of Implementing Carbon Tax Policy in Shanghai's 13th Five-Year Plan,” Third Prize, Shanghai Municipal Development and Reform Commission Award for Achievements in Decision-Making Consultation Projects for the Preliminary Research of the 13th Five-Year Plan, 2016
- (1/1): Sensitivity Analysis of Emissions Reduction Policies Considering Financial Conditions and Their Macroeconomic Impacts, Second Prize, First Energy and Environment Frontier Modeling Competition (Young Scholars Group), China Society of Systems Engineering, 2017
- (1/1): “Can Predictable Emissions Reduction Policies Trigger the 'Green Paradox' Effect? — An Examination from the Perspectives of China's Supply-Side Reform and Capital Scarcity,” Third Prize, 2017 Humanities and Social Sciences Research Achievement Award, Henan Provincial Department of Education, 2018
- (1/1): The Fundamental Logic Behind the Central Region's Active Development of Logistics and Communications Hub City Clusters, Outstanding Paper Award, 7th Economic Forum of the Central Committee of the China Democratic League, Central Committee of the China Democratic League, 2021
- (1/1): “Understanding Data Element Market Characteristics to Enhance Economic Risk Resistance,” Outstanding Paper Award, 8th Economic Forum of the Central Committee of the China Democratic League, Central Committee of the China Democratic League, 2022
- (1/1): “Research on Innovative Mechanisms for the Steady Development of Next-Generation Industrial-Grade Generative AI Driven by the Digital Economy,” Outstanding Paper Award, 9th Economic Forum of the Central Committee of the China Democratic League, Central Committee of the China Democratic League, 2023
- (1/2): Why “Green Jobs” Tend to Become Informal Employment: Lessons from China's Environmental Protection Industry, First Prize, Outstanding Achievement Award in Philosophy and Social Sciences of Henan Provincial Universities, Henan Provincial Department of Education, 2022
- (3/3): “The Impact of Regional Innovation Environments on the Utilization Efficiency of the NSFC-Henan Joint Fund,” First Prize, Henan Provincial Higher Education Philosophy and Social Sciences Outstanding Achievement Award, Henan Provincial Department of Education, 2022
- (1/6): “Research on Digital Energy 'New Infrastructure' Issues in Zhengzhou's Development as a National Central City,” Third Prize, Zhengzhou 2021 Outstanding Social Science Research Project, Zhengzhou Social Sciences Outstanding Achievement Award Committee, 2022
- (1/3): “Research on Pathways for Cultivating Outstanding Audit Talent Based on Cross-disciplinary Integration in New Liberal Arts Education,” Second Prize, Outstanding Achievement in Henan Provincial Education Science Research (Yu Jiao [2023] No. 50269), Henan Provincial Department of Education, 2023
- (1/1): “Integration and Innovation of Artificial Intelligence and New Quality Productivity,” First Prize for Outstanding Papers, 2024 International Forum on Data Security and Blockchain & 7th Annual Conference of Chinese Economists and Managers in Korea, Council of the Annual Conference of Chinese Economists and Managers in Korea, 2024

Editorial & Reviewer Experience

- Led 13 research projects including National Natural Science Foundation of China (NSFC) Young Scientist Program and National Social Science Fund General Projects, and participated in 25 additional projects.
- Published over 40 papers in authoritative Chinese journals and SSCI, SCI, EI, and CSSCI-indexed journals.
- Authored or co-authored 6 monographs.
- Received 15 awards including the Ministry of Finance's National Outstanding Fiscal Theory Research Achievement Award and provincial/ministerial-level Philosophy and Social Sciences Outstanding Achievement Awards.
- Held 23 academic positions including SCI editorial board member, NSFC peer reviewer, and provincial-level scientific achievement award evaluation expert.
- Selected for the 2020 Henan Provincial Higher Education Innovation Talent Support Program. Served as reviewer for over 90 domestic and international journals including Nature and Cell subjournals.

Representative Publications

- Chengyu Li*, Xibin Lu, Yiqing Liu, Zuhui Xia, Xueni Wang, Hongjun Zhao, A study of tripartite strategies for closed-loop charging infrastructure construction of new energy vehicles in China under the expectation of government withdrawal subsidies, *Journal of Cleaner Production* (SCI), 2025, (493): 144943
- Chengyu Li*, Conghui Zhu, Yiqing Liu, Xueni Wang, Shuchang Ren, Xin Wen. Seeking gains or avoiding losses? A study on the cohort effects of digital transformation among Chinese manufacturing enterprises, *Technology Analysis & Strategic Management* (SSCI), 2025, March, 1-15
- Chengyu Li*, Jiayi Sun, Xin Wen, Zuhui Xia*, Shuchang Ren, Jiabin Wu. Evaluating Agricultural Resource Pressure and Food Security in China and “Belt and Road” Partner Countries with Virtual Water Trade. *Sustainability* (SSCI). 2025, 17(4):1599
- Chengyu Li*, Zuhui Xia*, Jiayi Sun. Multi-dimensional Evaluation and Promotion Path of High-quality Employment in China's Environmental Protection Industry under the Dual-Carbon Goals. *Sustainability* (SSCI). 2025, 17(7): 3123
- Yanbing Zhang*, Changzheng Zhang, Zhengqi He, Chengyu Li, Construction strategy of green alliance for energy mining supply chain from the perspective of policy combination, *Journal of Cleaner Production* (SCI), 2025, (501): 145315
- Chengyu Li*, Zuhui Xia*, Yiqing Liu, Shuyan Li, Shuchang Ren, Hongjun Zhao. Is online shopping addiction still a depressive illness? -- the induced consumption and traffic trap in live E-commerce. *Heliyon*. (SCI), 2024, 10(9): e29895.
- Chengyu Li*, Conghui Zhu, Xueni Wang*, Shuchang Ren, Pengrui Xu, Haisheng Xiang. Green Finance: How Can it Help Chinese Power Enterprises Transition Towards Carbon Neutrality. *Environmental Science and Pollution Research*. (SCI), 2023, (30): 46336–46354
- Wenjie Zhang, Ning Xu*, Chengyu Li, Xinghua Cui, He Zhang, Wanxu Chen. Impact of digital input on enterprise green productivity: Micro evidence from the Chinese manufacturing industry. *Journal of Cleaner Production* (SCI), 2023, (4): 137272
- Chengyu Li, Yanbing Zhang, Saurabh Pratap, Li Zhou, Baoquan Liu*, Guangliang Zhou. Regulation Effect of Smart Grid on Green Transformation of Electric Power Enterprises:

Based on the Investigation of Leader Trap. *Frontiers in Energy Research (SSCI)*. 2022, 9 (1): 783786

- Long Xue, Qianyu Zhang, Xuemang Zhang*, Chengyu Li*. Can Digital Transformation Promote Green Technology Innovation? *Sustainability (SSCI)*. 2022, 14(12):7497
- Chengyu Li, Xiangwu Yan*, Baoquan Liu, Zhenbing Yang, Li Zhou. Potential Impacts of Fukushima Nuclear Leakage on China's Carbon Neutrality—an Investigation on Nuclear Power Avoidance and Regional Heterogeneity. *Frontiers in Environmental Science (SSCI)*. 2021, 9 (10): 764941
- Chengyu Li, Xiangwu Yan*, Yanbing Zhang, Ning Xu, Jin Chen, Guangliang Zhou. Does Airport Preferential Policy Aggravate the Competition of Aviation Hubs in Central and Western China? —Based on the Investigation of 78 Airports. *Mathematical Problems in Engineering (SCI)*, 2021, (6): 8387088
- Zhenbing Yang, Shuai Shao*, Chengyu Li, Lili Yang. Alleviating the misallocation of R&D inputs in China's manufacturing sector: From the perspectives of factor-biased technological innovation and substitution elasticity. *Technological Forecasting and Social Change (SSCI)*, 2020, 151 (2): 119878
- Xiqiang Xia, Chengyu Li*, Qinghua Zhu. Game Analysis for the Impact of Carbon Trading on Low-Carbon Supply Chain. *Journal of Cleaner Production (SSCI)*, 2020, 276 (12): 123220
- Chengyu Li, Shuai Shao*. Comparability of estimating energy rebound effect should be based on uniform mechanism and benchmark: A reply to Du and Lin. *Energy Policy (SSCI)*, 2016, 91 (4): 60-63
- Shuai Shao*, Ranran Luan, Zhenbing Yang, Chengyu Li*. Does Directed Technological Change Get Greener: Empirical Evidence from Shanghai's Industrial Green Development Transformation. *Ecological Indicators (SSCI)*, 2016, (69):758-770
- Chengyu Li, Shuai Shao*. A Dynamic Computable General Equilibrium Simulation of China's Innovation-Based Economy Under the New Normal. *Journal of Shanghai Jiaotong University (Science) (EI)*, 2016, 21 (3) :335-342
- Ji, Q., Shahzad, S. J. H., Sun, X., Xia, Y., Guo, K., eds. (2023). Managing climate risk in the global economic system in the post-COVID-19 era. Article 1st. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-8325-2486-2
- Chengyu Li, Shuai Shao*. Can Expected Emission Reduction Policies Trigger a “Green Paradox” Effect? — An Examination from the Perspectives of China's Supply-Side Reform and Capital Scarcity, *Systems Engineering Theory and Practice (Chinese Authority, CSSCI)*, 2017, 37 (5): 1184-1200
- Chengyu Li, Xiangwu Yan*. Why Does “Green Work” Tend to Become Informal Employment? — Evidence from China's Environmental Protection Industry, *China Population, Resources and Environment (Chinese Authority, CSSCI)*, 2021, 31 (12): 116-127
- Chengyu Li. Fifteen Years After Kyoto: Phased Emission Reduction Policies and the “Green Paradox” Problem. *China Population, Resources and Environment (Chinese Authority, CSSCI)*, 2015, 25(1): 1-8
- Li Zhou, Chengyu Li*. The Relationship and Evolution of Resource Intensity and Regional Economy from a Phased Perspective: An Empirical Analysis of 37 Countries, *China Population, Resources and Environment (Chinese Authority, CSSCI)*, 2019, 29(12): 138-148

- Xianxiang Lu, Chengyu Li. Institutional Arrangements for Human Behavior and Low-Carbon Economy. Jiangnan Forum (CSSCI), 2013, (4): 23-28
- Xianxiang Lu, Chengyu Li. Global Cooperation for Low-Carbon Economic Development: Contradictions and International Institutional Innovation. Journal of Yunnan University of Finance and Economics (CSSCI), 2013, (2) : 106-113
- Xuehui Zhang, Chengyu Li*, Jian Gu. Institutional Traps in International Low-Carbon Economic Cooperation and China's Countermeasures Analysis, Economic Issues (CSSCI), 2013, (2): 31-37
- Yuying Cui, Chengyu Li*, Changqing Li, Changqing Li. Spatial Econometric Analysis of Provincial Science and Technology Innovation Linkages and Knowledge Spillover Effects in China, Research on Scientific Management (CSSCI), 2013, (2): 35-38
- Chengyu Li, Rong Wang. Deepening Reform for Equalization of Public Services: The Case of Chongqing, Chongqing Social Sciences (CSSCI Expanded Edition), 2011, (8): 89-94
- Guangliang Zhou, Yanbing Zhang, Chengyu Li. Impact of Regional Innovation Environment on Utilization Efficiency of NSFC-Henan Joint Fund: Evidence from a Three-Stage Super-Efficiency Non-Radial Model. Journal of Henan Normal University (Natural Science Edition) (PKU), 2021, 49(01): 10-18
- Chengyu Li, Xiangwu Yan. Research on Basic Factor Market Allocation Strategies for Facilitating Domestic Circulation [M]. China Agriculture Press, November 2022.
- Chengyu Li, Editorial Board Member. Development Report on Shanghai's Urban Economy and Management 2018: Research on the Green Economic Belt of Shanghai and the Yangtze River Delta Urban Agglomeration [M]. Gezhi Press, July 2019.
- Chengyu Li, Editorial Board Member. China Jun Porcelain Industry Development Report (2020) [M]. Social Sciences Academic Press, December 2020.
- Chengyu Li, Editorial Board Member. China Jun Porcelain Industry Development Report (2021) [M], Social Sciences Academic Press, December 2022.
- Chengyu Li, Editorial Board Member, Supply-Side Structural Reform and Macroeconomic Policy Innovation: Analysis of China's Economy 2015-2016 [M], Gezhi Press, May 2016.