Ruo (Alex) Jia 贾若

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Working Experience

2019.9-present ***Associate Professor of Insurance,*** *tenured since 2022.8, Ph.D. Supervisor*

2016.9-2019.8 ***Assistant Professor of Insurance***

Dept. of Risk Management and Insurance, School of Economics, Peking University

Young Talent *(2025-), National High-Level Talents Special Support Program*

Director & Collaborating Expert (2022-), Digital Technologies, Geneva Association

Principle Investigator *(2024-),* Major grant of Social Science Foundation of China

Deputy Director (2022-), China Center for Actuarial Science Development, PKU

2010.9-2013.8 ***Casualty Underwriter,*** *Graduate@SwissRe / Associate / Assistant Vice President*

Swiss Reinsurance Company Ltd.

Education

2013.9-2016.7 **Ph.D. in Finance,** Institute of Insurance Economics, University of St. Gallen (AACSB & EQUIS), supervised by *Prof. Dr. Martin Eling*

2008.9-2010.7 **M.Sc. in Finance**, specialization in Insurance, Peking University

2004.9-2008.7 **B.Sc. in Insurance**, Peking University

2005.9-2008.7 **B.A. in International Relations and Foreign Affairs**, Peking University

2007.6-2007.8 PKU-YALE Exchange Program, Yale University

Research Interests

- Risk governance (catastrophe risk management, public-private partnership, emergency management)
- Insurtech (impact of digital technologies, blockchain, big data and machine learning)
- Insurance institution and regulation (solvency regulation, systemic risk, insurer performance)
- Social insurance (pension, social security)

Editorial Services

- Associate Editor for insurance topics, ***European Journal of Finance*** (SSCI)
- Member of Editorial Board, ***Geneva Papers on Risk and Insurance-Issues and Practice*** (SSCI)
- Editor for insurance and social protection topics, ***Risk Sciences***
- Associate Editor, ***Risk Management and Insurance Review***
- Member of Youth Editorial Board, ***China Finance Review International***

Peer-reviewed Journal Articles and Books

1. Catastrophe risk sharing among individuals, private insurance, and government, with Jieyu Lin, Michael R. Powers, Hanyang Wang, ***Journal of Risk and Insurance***, 92(2): 263-311, 2025
2. Adverse impact of capital regulatory reform and policy remedy: Theory and evidence, with Zenan Wu, Yulong Zhao, ***European Journal of Finance***, 31(3): 348-381, 2025

3. InsurTech: Digital technologies in insurance, with Alexander Braun, ***Geneva Papers on Risk and Insurance: Issues and Practice***, 50: 1-7, 2025
4. Data-enriched prediction of insurance risk, with Shaoran Li, Ye Yin, ***Risk Sciences***, 2025
5. The Impact of Expected Pensions on Consumption: Evidence from China, with Wei Zheng, Youji Lyu, Katja Hanewald, ***Journal of Pension Economics and Finance***, 22(1), 69-87, 2023
6. Technology Heterogeneity and Market Structure, with Martin Eling, Jieyu Lin, Casey Rosthchild, ***Journal of Risk and Insurance***, 89(2), 427-448, 2022
7. The Magic Triangle: Growth, Profitability and Safety in the Insurance Industry, with Martin Eling, Philipp Schaper, ***Geneva Papers on Risk and Insurance - Issues and Practice,*** 47(2), 321-348, 2022
8. Why is Inequality Higher among the Old? Evidence from China, with Katja Hanewald, Zining Liu, ***China Economic Review***, 60, 101592, 2021
9. Globalization: Blessing or Curse? Evidence from the Insurance Industry, with Christian Biener, Martin Eling, ***European Journal of International Management***, 15(2/3), 457-483, 2021
10. Insurer Commitment and Dynamic Pricing Pattern, with Zenan Wu, ***Geneva Risk and Insurance Review***, 44(1): 87-135, 2019, **Cao Fengqi Youth Scholar Award**
11. Global Consistent or Market-Oriented? A Quantitative Assessment of RBC Standards, Solvency II, and C-ROSS, with Shuyan Liu, Yulong Zhao, Qixiang Sun, ***Pacific-Basin Finance Journal***, 57: 101037, 2019, China International Risk Forum-Pacific Basin Finance Journal Research Excellence Award
12. How Private Sector Participation Improves Retirement Preparation: A Case from China, with Wei Zheng and Zining Liu, ***Geneva Papers on Risk and Insurance - Issues and Practice***, 44(1): 123-147, 2019
13. Efficiency and Profitability in the Global Insurance Industry, with Martin Eling, ***Pacific-Basin Finance Journal***, 57: 101190, 2019
14. Business Failure, Efficiency, and Volatility: Evidence from the European Insurance Industry, with Martin Eling, ***International Review of Financial Analysis***, 59(1): 58-76, 2018
15. Between-Group Adverse Selection: Evidence from Group Critical Illness Insurance, with Martin Eling and Yi Yao, ***Journal of Risk and Insurance***, 84(2): 771-809, 2017
16. The Structure of the Global Reinsurance Market: An Analysis of Efficiency, Scale, and Scope, with Christian Biener and Martin Eling, ***Journal of Banking and Finance,*** 77(1): 213–229, 2017

17. Recent Research Developments Affecting Non -Life Insurance: The CAS Risk Premium Project 2014 Update, with Martin Eling, ***Risk Management and Insurance Review***, 20(1): 63-77, 2017

18.《从十八大到二十大——新时代中国社会保障》，合作者胡晓义、郑伟、张浩田、贺灿春，经济科学出版社，2025 年 2 月，**国家出版基金项目**资助，**人力资源与社会保障部、中央党史和文献研究院主要负责同志批示。**

19.《家庭金融参与中的信任重建：来自农村社会养老保险的证据》，合作者高明、艾美彤，**《经济研究》**，2021 年第 8 期，174-191 页

20.《医疗保险、健康异质性与精准脱贫》，合作者刘子宁、郑伟、景鹏，**《金融研究》**，2019 年第 5 期，56-75 页，**封面文章**

21.《量化供给侧指标对寿险消费的影响——基于寿险供给质量、动能和效率的视角》，合作者范庆祝、孙祁祥，**《金融研究》**，2017 年第 9 期，115-129 页

22.《农业保险大灾风险分散体系：评估框架与国际比较》，合作者郑伟、郑豪、陈广，**《农业经济问题》，**2019 年第 9 期，121-133 页

23.《保险机制能否助推脱贫并守住脱贫成果》，合作者景鹏、郑伟、刘子宁，**《经济科学》**，2019 年第 2 期，104-116 页，**人大复印资料全文转载**

24.《金融业资本监管制度的评估框架》，合作者刘淑彦、孙祁祥，**《北京大学学报（哲学社会科学版）》**，2019 年第 1 期，137-148 页

25.《保险扶贫项目的评估框架及应用——基于两个调研案例的分析》，合作者郑伟、景鹏、刘子宁，**《保险研究》**，2018 年第 8 期，13-20 页，**封面文章，年度最佳论文奖第一名**

26.《OTC 金融衍生交易的市场风险、定价风险与交易公平性之间的关系》，**《金融法苑》**，2009 年第 2 期，147-158 页

27.《中国巨灾风险管理的制度研究》，合作者刘新立、罗忠敏、张文渊，**《保险研究》**，2008 年增刊，11-33 页

28.《道路交通事故中的侵权责任与责任保险》，合作者李响，**《保险研究》，**2007 年第 8 期，21-23 页

Grants

2025.10-2030.9，Institutional and technical innovation of insurance for catastrophe and systemic risks, **National High-Level Talents Special Support Program (Yong Talents)**

2025.1-2026.8，Implicit Insurance, Group Decisions, and Technology Adoption, **Swiss National Science Foundation**

2024.1-2028.12 *National Risk Management System based on Insurance*, **Major Grant of Social Science Foundation of China**

2022.1-2025.12 *Insurance Solvency Regulation and Insurer Risk Decision*, **Natural Science Foundation of China**

2018.1-2020.12 *Globalization of Insurance Regulation and Systemic Risk*, **Natural Science Foundation of China**

2025.1-2026.8 *Implicit Insurance, Group Decisions, and Technology Adoption,* **Swiss National Science Foundation**

2019.2-2019.8 *Consistency of SARMRA Evaluation in C-ROSS*, **China Banking and Insurance Regulatory Commission**

2017.6-2018.7 *Catastrophic Risk Diversification System of Agricultural Insurance: An International Comparison*, **China Banking and Insurance Regulatory Commission**

2022.1-2024.6 *Reform and Development of the Chinese Social Security System: 2012-2022*, **Social Insurance Society of China**

2022.3-2022.12 *Institutional Interactions in Catastrophe Risk Management System,* **Insurance Society of China**

2020.3-2021.12 *COVID-19 Emergency Project on Risk Management of Pandemic Catastrophe Risk*

2018.3-2019.12 *Development Program on Management and Supervision of Systemic Risk*

2016.11-present, PKU School of Economics Research Seeds Fund

Industry Reports

29. Gen AI in the insurance customer journey, coauthored with Martin Eling, Tianyang Wang, **sponsored by the Geneva Association**, 2025
30. Navigating Generative AI Risks: Insurability Challenges and Industry Innovation, with Martin Eling, Tianyang Wang, ***The Actuary***, October 2025
31. Gen AI risks for businesses: Exploring the role for insurance, coauthored with Martin Eling, Tianyang Wang, **sponsored by the Geneva Association**, 2025
32. Planting the Seeds of AI: How insurers think about AI and digital technologies, co-authored with Bernhard Schneider, ***The Actuary***, July 2024
33. Blockchain in Insurance: Potential versus realized benefits, ***The Actuary***, April 2024
34. Digital platform ecosystems in insurance: Connecting with customers in new ways, ***sponsored by The Geneva Association***, 2024
35. Assessing the potential of decentralized finance and blockchain technology in insurance, ***sponsored by The Geneva Association***, 2023
36. The Magic of Insurtech, with Jieyu Lin, Meitong Ai, Chang Zhang, Ye Yin, Canchun He, ***sponsored by Shanghai Renascence Insurtech,*** 2022
37. Insurance in Poverty Reduction: A Case from China, with Wei Zheng, Peng Jing, and Zining Liu, ***sponsored by Swiss Re Institute***, 2018
38. Report on Chinese Outbound Travelling Risk, with Wei Zheng, Wenyuan Wang, Bowen Zhu,

and Chunyan Lei, ***sponsored by Allianz Worldwide Partners***, 2018

Selected Plenary Talks

- *The Geneva Association Digital Technologies Conference: Generative AI and the future of insurance, 2024, program chair and moderator.*
- Risk conversation webinar of the Geneva Association, 2024, *Connecting Insurance Customers through Digital Platform Ecosystems*
- Risk conversation webinar of the Geneva Association, 2023, *Beyond Cryptos: DeFi and Blockchain Technology in Insurance*
- Annual Conference of **Asia-Pacific Risk and Insurance Association**, 2022, ***The Impact of Insurtech: Theory and Evidence***
- Annual Conference of China Association of Insurance Law, 2021, *Solvency Regulation: International Comparison and Empirical Analyses*
- China International Conference on Insurance and Risk Management (CICIRM), 2020-2021, *Adverse Impacts of Regulatory Reform*
- **ARIA-ASSA**, 2021, *Adverse Impacts of Regulatory Reform: Theory and Evidence*
- Korean Insurance Academic Association, 2020, *Mobile Insurance Education*
- Joint Seminar of Modern Risk Society, Quantitative Finance Committee, and *Sina* Finance, 2020, *Loan Prime Rate and Liberalization of Interest Rate*
- SOE-PKU New Year Forum @Asia Society, New York: China and World Economy, 2018*, Insurance Solvency Capital Regulation in the U.S., EU, and China*
- **Risk Theory Society**, 2017, *Insurer Commitment and Dynamic Pricing Pattern*

Referee Services

Journal of Risk and Insurance, *Asia-Pacific Journal of Risk and Insurance, Geneva Papers on Risk and Insurance - Issues and Practice, North American Actuarial Journal, Scandinavian Actuarial Journal, Journal of Insurance Regulation, Journal of Insurance Issues, Risk Management and Insurance Review, Asia-Pacific Journal of Risk and Insurance*

*J**ournal of Banking and Finance,*** *Journal of Empirical Finance, International Review of Financial Analysis, Journal of Financial Stability, European Financial Management, European Journal of Finance, Pacific – Basin Finance Journal, International Journal of Banking, Accounting and Finance, Emerging Markets Finance and Trade*

Annuals of Operations Research, *Omega, Review of Managerial Science, Eurasian Business Review, International Journal of Emerging Markets, Economic Analysis and Policy, China and World Economy*, *Economic Research Journal (in Chinese)*

Services

- Board of Governors (2018-2021), Asia-Pacific Risk and Insurance Association
- Member (2017-2023), **Risk Theory Society**

- Founding Director (2017-present), Modern Risk Society
- Membership Committee (2018-2019), Les. B. Strickler Teaching in Innovation Award Committee (2016-2018), American Risk and Insurance Association
- Member (2024-present), Graduates Education Committee, School of Economics, Peking University
- Member (2018-2024), Research Committee, School of Economics, Peking University
- Head Teacher (2017-present), School of Economics, Peking University
- Consultant on Economics Subjects (2016-present), Peking University Library

Awards

- **APJRI Reviewer Award, 2024**
- Best Paper Award, 14th & 20th PKU-CCISSR Forum, 2017, 2023
- Best Paper Award, China International Conference on Insurance and Risk Management 2023
- Excellence in Teaching Award, Peking University, 2021
- Excellence in the Undergraduate Course Reform Project, 2021
- **Harold D. Skipper Award for the 2020 APRIA Best Conference Paper @WRIEC 2020**
- Cao Fengqi Young Scholar Research Excellence Award in Finance, 2020 (Top 2 Young Finance Scholars in Peking University)
- Excellent Head Teacher, Peking University, 2019
- Best Paper Award, *Insurance Studies (in Chinese)*, 2018
- China International Risk Forum-*Pacific Basin Finance Journal* Research Excellence Award, 2017
- First Class Best Paper Award, 9th China Insurance Education Forum, 2017
- **Les B. Strickler Innovation in Instruction Award, American Risk and Insurance Association**, 2016
- Excellent Teaching Skill Award, Peking University, 2016

Teaching Courses

- Insurance Operation (Undergraduates and Graduates, 2016-present)
- Insurance Topics: Theory and Global Practice (Graduates, 2022-present)
- InsurTech Topics (Graduates, co-lecture with Suo, Lingyan, 2024-present)
- Insurance Law (Undergraduates, 2017-present, PKU Excellence in Teaching Innovation)
- Property and Casualty Insurance (Undergraduates, 2017-present)
- PKU-THU-RUC joint seminar on Economics of Risk, Insurance, and Uncertainty (G, 2021-present)
- Executive Education (2018-present): Insurance Regulation, Insurance Contract, Insurance Globalization, Catastrophe Risk Management, Insurance Underwriting

Personal

- Passed the BAR in China (2008), specialized in insurance law
- Mandarin Chinese (native), English (proficient), German (basic)
- Born in December 1985 in Beijing