

IV. Publication List of Prof. Dr. Xiang Yu

More than 180 academic publications in the field of intellectual property law and management were published in English, German, Japanese and Chinese language.

(As of July 2024)

A) Journal articles

1. Chenxu Ming, **Xiang Yu**, Ben Zhang. Assessing the infringement risk of patent portfolios using network analysis and IF-TOPSIS: A case of standard-essential patent portfolios in the ICT industry [J]. <Technology in Society>, 2024, 78: 102663, <https://doi.org/10.1016/j.techsoc.2024.102663> (in English).
2. **Xiang Yu**, Wantao Chen, Wei Yang. Spatio-temporal evolution, country differences and the role of proximity: an investigation of international patenting [J]. <The Journal of Technology Transfer>, 2024 - 06 - 21, <https://doi.org/10.1007/s10961-024-10103-8> (in English).
3. Ting wei Zhao, **Xiang Yu**, Sishi Liu. Research on the Co-Creation Mechanism of Geographical Indication Industry Value Based on Evolutionary Game Analysis [J]. <Sustainability>, 2024, 16(5): 2075, <https://doi.org/10.3390/su16052075> (in English).
4. Wantao Chen, **Xiang Yu**, Wei Yang. International trademark protection strength: 1990–2020 [J]. <The World Economy>, 2024, 47(7): 3168 - 3198 (in English).
5. Wantao Chen, **Xiang Yu**, Wei Yang. Is worldwide patent protection converging? A cross-country index of patent protection strength 1990–2020 [J]. <Technology in Society>, 2024, 76: 102451, <https://doi.org/10.1016/j.techsoc.2023.102451> (in English).
6. Gao Jun, Runzhe Zhang, **Xiang Yu** (Corresponding Author). Investigating diffusion and convergence trajectory of hydrogen storage technology based on patent analysis [J]. <International Journal of Hydrogen Energy>, 2024, 57: 844 - 855 (in English).
7. Wenbo Peng, **Xiang Yu** (Corresponding Author), Yakun Ji. Obtaining advantages from knowledge base: mapping the potential to develop new technologies [J]. <Technology

Analysis & Strategic Management>, 2023, 1709(2): 1 - 18 (in English).

8. Ling Feng, **Xiang Yu** (Corresponding Author). The Fourth Amendment of Chinese Patent Law and Discussion on its Practical Effects [J]. <European Review>, 2023, 31(2): 196 - 211 (in English).

9. Sun Minhan, Ji Yakun, Zhu Xiuzhu, **Yu Xiang**. Analysis of Global Rare Earth Permanent Magnet Motor Technology Innovation Trends from the Perspective of Patent Networks [J]. <Chinese Rare Earths>, 2023, 44(04): 268 - 278 (in Chinese).

10. Ji Yakun, **Yu Xiang**, Zhang Ben, Peng Wenbo. Identification of Potential Disruptive Technologies from the Perspective of Patent Networks: A Case Study in the Field of Autonomous Driving [J]. <Journal of Intelligence>, 2022, 41(12): 46 - 50 + 139 (in Chinese).

11. Chenxu Ming, **Xiang Yu**, Ben Zhang, Wei Yang. A patent infringement early-warning methodology based on intuitionistic fuzzy sets: A case study of Huawei [J]. <Advanced Engineering Informatics>, 2022, 54: 101811 (in English).

12. Ben Zhang, **Xiang Yu**, Runzhe Zhang. Emerging technology identification based on a dynamic framework: a lifecycle evolution perspective [J]. <Technology Analysis & Strategic Management>, 2022, 36(2): 378 - 392 (in English).

13. Jun Gao, Muhammad Faheem, **Xiang Yu** (Corresponding Author). Global Research on Contaminated Soil Remediation: A Bibliometric Network Analysis [J]. <Land>, 2022, 11(9): 1581 (in English).

14. Yakun Ji, **XiangYu**, Minghan Sun M, Ben Zhang. Exploring the Evolution and Determinants of Open Innovation: A Perspective from Patent Citations [J]. <Sustainability> 2022, 14(3): 1618 (in English).

15. Jun Gao, **Xiang Yu** (Corresponding Author). Factors Affecting the Evolution of Technical Cooperation among "Belt and Road Initiative" Countries Based on TERGMs

and ERGMs [J]. <Sustainability>, 2022, 14(3): 1760 (in English).

16. **Yu Xiang**, Zhang Runzhe, Zhang Ben, Wang Hua. A Study of the Intellectual Property Regiem Adapted to the Rapid Development of Artificial Intelligence [J]. <Science Research Management>, 2021, 42(8): 176 - 183 (in Chinese).

17. Gao Jun, **Yu Xiang** (Corresponding Author). Research on the Characteristics of Patent Cooperation and the Technological Situation between China and "Belt and Road" Countries [J]. <Forum on Science and Technology in China>, 2021, (07): 169 - 178 (in Chinese).

18. Feng Rentao, **Yu Xiang**. Research on the Influencing Factors of Invention Patent Authorization in the Biotechnology Field [J]. <Library and Information Service>, 2021, 65(06): 102 - 109 (in Chinese).

19. Gao Jun, **Yu Xiang** (Corresponding Author). The Impact of Technological Proximity on International Technology Cooperation: A Study Based on Patent Collaboration in "Belt and Road" Countries [J]. <Studies in Science of Science>, 2021, 39(06): 1050 - 1057 (in Chinese).

20. Feng Rentao, **Yu Xiang**. Scope of Patent Technology and Patent Value - An Analysis Based on Patents in the Biotechnology Field [J]. <Journal of Intelligence>, 2021, 40(04): 109 - 118 + 91 (in Chinese).

21. Wei Yang, **Xiang Yu**, Dian Wang, Jinrui Yang, Ben Zhang. Spatio-temporal evolution of technology flows in China: patent licensing networks 2000–2017 [J]. <Journal of Technology Transfer>, 2021, 46(05): 1674 - 1703 (in English).

22. Wei Yang, **Xiang Yu** (Corresponding Author), Ben Zhang, Ziyang Huang. Mapping the landscape of international technology diffusion (1994–2017): network analysis of transnational patents [J]. <Journal of Technology Transfer>, 2021, 46 (1): 138 - 171 (in English).

23. Xi Yang, **Xiang Yu** (Corresponding Author). Preventing Patent Risks in Artificial Intelligence Industry for Sustainable Development: A Multi-Level Network Analysis [J]. <SUSTAINABILITY>, 2020, 12(20): 8667 (in English).
24. Yang Xi, **Yu Xiang** (Corresponding Author). Exploration of Graphene Industry Technological Innovation Models Based on the Lifecycle [J]. <Science Research Management>, 2020, 41(09): 12 - 21 (in Chinese).
25. Guo Zhuang, **Yu Xiang**. Analysis of Factors Influencing Patent Value Based on China's Artificial Intelligence Patent Data [J]. <Journal of Intelligence>, 2020, 39(09): 88 - 94 (in Chinese).
26. Jiang Man, Sun Minhan, **Yu Xiang** (Corresponding Author), Ben Zhang, The Model for Identifying Technological Opportunities from the Perspective of Collaborative Innovation: The Case of Chinese Intelligent Robots [J]. <Journal of Intelligence>, 2020, 39(07): 42 - 48 (in Chinese).
27. Zhang Dong, **Yu Xiang**, Liu Xin. Research on the Industrial Key Technology List Based on Composite Patent Co-occurrence Network and Expert Mechanism: A Case of the Development of Carbon Capture Technology in China [J]. <Journal of Intelligence>, 2019, 38(11): 34 - 42 (in Chinese).
28. Feng Ling, **Yu Xiang** (Corresponding Author). Research on Intellectual Property Governance in International Cooperation of Green Technology from the Perspective of Structural Functionalism: A Case Study of the NZEC CCS Project [J]. <Forestry Economics>, 2019, 41(08): 102 - 107 + 119 (in Chinese).
29. Ge Huilei, **Yu Xiang**, Li Yonglei. Research on the Industrialization Development Strategy of China's Satellite Navigation Patent Technology Based on AHP-SWOT [J]. <Journal of Intelligence>, 2019, 38(05): 42 - 48 + 101 (in Chinese).
30. Huang Ziyang, **Yu Xiang**, Yin Conghui. Research on the Policy Protection Space for Disruptive Technologies from the Perspective of Strategic Niche Management [J].

<Studies in Science of Science>, 2019, 37(04): 607 - 616 (in Chinese).

31. Liu Shan, Sheng Jiapeng, **Yu Xiang** (Corresponding Author). Legal Risks and Countermeasures of Patent Co-ownership in China-US Cooperative Innovation [J]. <Science Research Management>, 2019, 40(02): 54 - 64. (in Chinese)

32. **Xiang Yu**, Ben Zhang. Obtaining advantages from technology revolution: A patent roadmap for competition analysis and strategy planning [J]. <Technology Forecasting and Social Change>, 2019, 145: 273 - 283 (in English).

33. Yang Xi, **Yu Xiang**, Liu Xin. Research on Patent Information Analysis Method from the Multi-Perspective Model: A Case Study of Graphene Technology [J]. <Journal of Intelligence>, 2018, 37(08): 64 - 70 + 91. (in Chinese)

34. Yin Conghui, **Yu Xiang**. Analysis of CCS Technology Innovation Network Mapping Based on Patent Information [J]. <Journal of Technology Economics>, 2018, 37(05): 64 - 70 + 114 (in Chinese).

35. **Xiang Yu**, Ben Zhang, Xin Liu, Wei He. Employee Invention Legislative Strategy from the Perspective of Self-Organization [J]. <Science of Science and Management of S. & T. >, 2018, 39(04): 47 - 61 (in Chinese).

36. Feng Rentao, **Yu Xiang**. Research on the Distribution of China's Regional Innovation Based on Technological Distance [J]. <Journal of Intelligence>, 2018, 37(01): 191 - 197 (in Chinese).

37. Xi Yang, **Xiang Yu**, Xin Liu. Obtaining a Sustainable Competitive Advantage from Patent Information: A Patent Analysis of the Graphene Industry [J]. <Sustainability>, 2018, 10(12): 4800 - 4824 (in English).

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41. Liu Xin, **Yu Xiang**. Research on Intellectual Property Management Model of China-US Clean Energy Cooperation Based on TMP: Breakthroughs, Difficulties and Countermeasures [J]. <China Soft Science>, 2016, (11): 44 - 51 (in Chinese).
42. Liu Xin, **Yu Xiang**. Research on the Applicability of Patent Technology Industrialization Based on Functional Analysis [J]. <Science Research Management>, 2016, 37(11): 150 - 158 (in Chinese).
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44. Yin Conghui, **Yu Xiang**. Practical Experience and Enlightenment of the European Carbon Capture and Storage Knowledge Sharing Platform [J]. <Forum on Science and Technology in China>, 2016, (05): 142 - 148 (in Chinese).
45. Xin Liu, **Xiang Yu**. Potential Challenges of 3D Printing Technology on Patent Enforcement and Considerations for Countermeasures in China. <Journal of Intellectual Property Rights>, 2015, 20(3): 155 - 163 (in English).
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51. Liu Xin, **Yu Xiang**. Research on the Strategy of Essential Patents for Chinese Enterprises [J]. <Intellectual Property>, 2014, (11): 59 - 63 (in Chinese).

52. Liu Xin, **Yu Xiang**, Liu Shan. Review on the Standards Essential Patent Databases [J]. <Journal of Intelligence>, 2014, 33(10): 109 - 115 (in Chinese).

53. Li Xiaoli, **Yu Xiang**. Research on the Impact of Regional Triple Helix Strength and TTO Characteristics on TTO Efficiency [J]. <Science Research Management>, 2014, 35(09): 115 - 122 (in Chinese).

54. Deng Jie, **Yu Xiang**, Cui Ligang. Empirical Research on the Invalidity Behavior of Chinese Invention Patents Based on Patent Information [J]. <Journal of Intelligence>, 2014, 33(08): 52 - 58 (in Chinese).

55. Deng Jie, **Yu Xiang**, Cui Ligang. Research on the Competitive Situation of China's Cloud Computing Industry Based on Patent Information [J]. <Journal of Intelligence>, 2014, 33(07): 50 - 56 + 15 (in Chinese).

56. Feng Rentao, **Yu Xiang**. The Relationship between the Degree of Regional Technological Specialization in China and the Scale of Technology and Economy [J]. <R&D Management>, 2014, 26(05): 54 - 62 (in Chinese).
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60. Luo Liguo, **Yu Xiang**, Zhou Lihong. Knowledge Flow Capability of "985 Universities" Based on Patent License Network [J]. <Chinese Journal of Management>, 2013, 10(03): 458 - 462 (in Chinese).
61. Feng Rentao, Zhang Qing, **Yu Xiang**. Research on the Contribution of Trademarks and Advertising to Corporate Market Value - An Empirical Analysis Based on the Pharmaceutical Industry [J]. <Management Review>, 2013, 25(06): 154 - 160 (in Chinese).
62. Ye Chunxia, **Yu Xiang**, Li Wei. Research on the Multidisciplinary Knowledge Network of Patent Cooperation between Enterprises [J]. <Journal of Intelligence>, 2013, 32(04): 113 - 120 (in Chinese).
63. Zhang Qing, Feng Rentao, **Yu Xiang**. Empirical Test of Patent Authorization Rate, Economic Performance and Technological Innovation - On the Patent Contract Theory [J]. <Soft Science>, 2013, 27(03): 9 - 13 (in Chinese).

64. Chen Qiongdi, **Yu Xiang**. Practice and Enlightenment of Several Countries' Green Patent Accelerated Examination [J]. <Forum on Science and Technology in China>, 2013, (02): 147 - 153 (in Chinese).
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74. Luo Ligu, **Yu Xiang**, Zheng Wanting. Comparative Study of Patent Search Database [J]. <Journal of Intelligence>, 2012, 31(03): 163 - 167 (in Chinese).
75. Luo Ligu, **Yu Xiang**, Chen Qiongdi. Application of Patent Information Analysis in Corporate Technological Innovation - A Case Study of Biomass Power Generation Technology [J]. <Science and Technology Progress and Policy>, 2011, 28(18): 85 - 89 (in Chinese).
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Authorization Rate of Invention Patent Applications in China - Based on the PDL Model [J]. <R&D Management>, 2010, 22(04): 106 - 113 (in Chinese).

82. Zhang Yurong, Yuan Chunsheng, **Yu Xiang**. Empirical Study on Patent Litigation Behavior of Financial Business Methods [J]. <Science Research Management>, 2010, 31(04): 119 - 126 + 155 (in Chinese).

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84. **Xiang Yu**, Ying Zhou. Determining the Similarity of Automobile Designs before Chinese Courts [J]. <IIC - International Review of Intellectual Property and Competition Law>, 01/2010, 89 - 98 (in English).

85. Shan Liu, **Yu Xiang**. Empirical Study on Patent Applications in China's Software Industry [J]. <Science and Technology Progress and Countermeasures>, 2009, 26(22): 42 - 45 (in Chinese).

86. Hu Shuijing, **Yu Xiang**. The Mechanism and Empirical Study of the Impact of R&D Offshore Outsourcing on Technological Innovation Capability. <Forum on Science and Technology in China>, 2009, (11): 24 - 28 (in Chinese).

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88. Hu Shuijing, **Yu Xiang**. Empirical Study on Patent Applications in India's Software Industry [J]. <Electronic Intellectual Property>, 2009, (10): 55 - 60 (in Chinese).

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94. Wu Lanfen, **Yu Xiang**. Comparative Analysis of Economic Theory of Patent Product Parallel Import Policy [J]. <Science of Science and Management of S. & T, > 2009, 30(03): 39 - 43 (in Chinese).

95. **Yu Xiang**, Hu Shuijing. The Third Amendment of the Chinese Patent Act and the Comparison between the New Patent Act and TRIPs [J]. <Intellectual Property Law and Policy Journal>, 2009, 24: 213 - 228 (in Japanese).

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