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教育：

1987.09 - 1990.10　南京大学化学系，博士(导师：吴养洁院士)

1985.09 - 1987.07　郑州大学化学系，硕士研究生(导师：吴养洁院士)

1981.09 - 1985.07　郑州大学化学系，学士

工作经历：

1998.12 - 　　　　中国科学院上海有机所研究员、博士生导师

2003.08 - 2003.11　日本名古屋大学访问教授

1995.12 - 1998.11　郑州大学化学系教授

　　　　　　　　 (其中1997.9-1998.9 日本东京工业大学UNESCO研究员)

1992.11 - 1995.11　郑州大学化学系副教授

　　　　　　　　 (其中1993.9-1994.9 日本龙谷大学理工学部博士后)

1990.10 - 1992.10　郑州大学化学系讲师

研究领域：

1. 组合不对称催化

2. 新型手性配体的设计、合成及应用

3. 手性催化剂负载化新方法

国际刊物和国际会议兼职:

1. International Advisory Board Member of Eur. J. Org. Chem.(2006 -)

2. International Advisory Board Member of Chem. Commun.(2008 -)

3. Advisory Board Member of International Symposium on Homogeneous Catalysis (ISHC, 2006, 2008, 2010)

4. Editorial Board Member of Catal. Sci. & Tech. (2010-)

5. International Advisory Board Member of Curr. Org. Synth. (2010 -)

职务：

课题组长

代表论著：

1. Mingyue Wu, Zhaobin Han, Kaizhi Li, Ji’en Wu, Kuiling Ding\*, Yixin Lu\*; Cyclohexyl-Fused, Spirobiindane-Derived, Phosphine-Catalyzed, Synthesis of Tricyclic γ-Lactams and Kinetic Resolution of γ？Substituted Allenoates, J. Am. Chem. Soc. 2019, 141, 16362-16373.

2. Yao Ge, Zhaobin Han,\* Zheng Wang, Kuiling Ding\*; Ir-Catalyzed Double Asymmetric Hydrogenation of 3,6-Dialkylidene-2,5-diketopiperazines for Enantioselective Synthesis of Cyclic Dipeptides, J. Am. Chem. Soc. 2019, 141, 8981-8988.

3. Linli Zhang, Yitian Tang, Zhaobin Han,\* Kuiling Ding\*; Lutidine-Based Chiral Pincer Manganese Catalysts for Enantioselective Hydrogenation of Ketones, Angew. Chem. Int. Ed. 2019, 58, 4973-4977.

4. Jia Qiu, Shen Gao, Chaopeng Li, Lei Zhang, Zheng Wang\*, Xiaoming Wang, Kuiling Ding\*; Construction of All-Carbon Chiral Quaternary Centers via Cu(I)-Catalyzed Enantioselective Reductive Hydroxymethylation of 1, 1-Disubstituted Allenes with CO2, Chem. Eur. J. 2019, 25, 13874-13878.

5. Zhiyao Zheng, Yuxi Cao, Dongsheng Zhu, Zheng Wang\*, Kuiling Ding\*; Development of Chiral Spiro Phosphoramidites for Rhodium-Catalyzed Enantioselective Reactions, Chem. Eur. J. 2019, 25, 9491– 9497.

6. Peihua Guo, Rui Zhang, Xiaoming Wang, Zheng Wang\*, Kuiling Ding\*; Synthesis of Chiral Tertiary a,a-Difluoromethyl Carbinols by Cu-Catalyzed Asymmetric Propargylation, Chem. Eur. J. 2019, 25, 16425-16434.

7. Yao Ge, Zhaobin Han,\* Zheng Wang, Chen-Guo Feng, Qian Zhao, Guo-Qiang Lin, Kuiling Ding\*; Ir-SpinPHOX Catalyzed Enantioselective Hydrogenation of 3-Ylidenephthalides, Angew. Chem. Int. Ed. 2018, 57, 13140-13144.

8. Zhiyao Zheng, Yuxi Cao, Qinglei Chong, Zhaobin Han, Jiaming Ding, Chenguang Luo, Zheng Wang, Dongsheng Zhu, Qi-Lin Zhou, Kuiling Ding\*; Chiral Cyclohexyl-Fused Spirobiindanes: Practical Synthesis, Ligand Development, and Asymmetric Catalysis, J. Am. Chem. Soc. 2018, 140, 10374-10381.

9. Xinyi Ren, Zhiyao Zheng, Lei Zhang, Zheng Wang, Chungu Xia\*, Kuiling Ding\*; Rhodium-Complex-Catalyzed Hydroformylation of Olefins with CO2 and Hydrosilane, Angew. Chem. Int. Ed. 2017, 56, 310-313.

10. Xubin Wang, Xiaoming Wang, Zhaobin Han, Zheng Wang\*, Kuiling Ding\*; Palladium-Catalyzed Asymmetric Allylic Allylation of Racemic Morita–Baylis–Hillman Adducts, Angew. Chem. Int. Ed. 2017, 56, 1116-1119.

11. Jiawang Liu, Zhaobin Han, Xiaoming Wang, Fanye Meng, Zheng Wang, Kuiling Ding\*; Palladium-Catalyzed Asymmetric Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters by Allylation of β-Ketocarbonyls with Morita-Baylis-Hillman Adducts, Angew. Chem., Int. Ed. 2017, 56, 5050-5054.

12. Jiawang Liu, Ming Nie, Qinghai Zhou, Shen Gao, Wenhao Jiang, Lung Wa Chung, Wenjun Tang\*, Kuiling Ding\*; Enantioselective palladium-catalyzed diboration of 1,1-disubstituted allenes, Chem. Sci., 2017, 8, 5161-5165.

13. Xubin Wang, Xiaoming Wang, Zhaobin Han, Zheng Wang\*, Kuiling Ding\*; Palladium-catalyzed asymmetric allylic amination: enantioselective synthesis of chiral α-methylene substituted β-aminophosphonates, Org. Chem. Front. 2016, 4, 271-276.

14. Jiawang Liu, Zhaobin Han, Xiaoming Wang, Zheng Wang, and Kuiling Ding\*; Highly Regio- and Enantioselective Alkoxycarbonylative Amination of Terminal Allene Catalyzed by a Spiroketal-Based Diphosphine/Pd(II) Complex, J. Am. Chem. Soc. 2015, 137, 15346-15349.

15. Yang Li, Zheng Wang, Kuiling Ding\*; Minimizing Aryloxy Elimination in RhI-Catalyzed Asymmetric Hydrogenation of Aryloxyacrylic Acids using a Mixed-Ligand Strategy, Chem. Eur. J. 2015, 21, 16387-16390.

16. Lei Zhang, Zhaobin Han, Xiaoyu Zhao, Zheng Wang, Kuiling Ding\*; Highly Efficient Ruthenium-Catalyzed N-Formylation of Amines with H2 and CO2, Angew. Chem. Int. Ed. 2015, 54, 6186-6189.

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Educational Background:

September 1987 - October 1990: Ph.D. from the Department of Chemistry of Nanjing University (Supervisor: Academician Wu Yangjie)

September 1985 - July 1987: Master's Degree from the Department of Chemistry of Zhengzhou University (Supervisor: Academician Wu Yangjie)

September 1981 - July 1985: Bachelor's Degree from the Department of Chemistry of Zhengzhou University

Work Experience:

December 1998 - Present: Researcher and Doctoral Supervisor of the Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences

August 2003 - November 2003: Visiting Professor of Nagoya University

December 1995 - November 1998: Professor of the Department of Chemistry of Zhengzhou University

(September 1997 - September 1998: UNESCO Research Fellow of Tokyo Institute of Technology)

November 1992 - November 1995: Associate Professor of the Department of Chemistry of Zhengzhou University

(September 1993 - September 1994: Postdoctoral Fellow of the Faculty of Science and Technology of Ryukoku University)

October 1990 - October 1992: Lecturer of the Department of Chemistry of Zhengzhou University

Research Areas:

1. Combinatorial Asymmetric Catalysis

2. Design, Synthesis, and Application of Novel Chiral Ligands

3. New Methods for Immobilizing Chiral Catalysts

International Journal and Conference Roles:

1. International Advisory Board Member of European Journal of Organic Chemistry (2006 - Present)

2. International Advisory Board Member of Chemical Communications (2008 - Present)

3. Advisory Board Member of International Symposium on Homogeneous Catalysis (ISHC, 2006, 2008, 2010)

4. Editorial Board Member of Catalysis Science & Technology (2010 - Present)

5. International Advisory Board Member of Current Organic Synthesis (2010 - Present)

Position:

Project Leader

Representative Publications:

1. Mingyue Wu, Zhaobin Han, Kaizhi Li, Ji’en Wu, Kuiling Ding\*, Yixin Lu\*; Cyclohexyl-Fused, Spirobiindane-Derived, Phosphine-Catalyzed, Synthesis of Tricyclic γ-Lactams and Kinetic Resolution of γ？Substituted Allenoates, J. Am. Chem. Soc. 2019, 141, 16362-16373.

2. Yao Ge, Zhaobin Han,\* Zheng Wang, Kuiling Ding\*; Ir-Catalyzed Double Asymmetric Hydrogenation of 3,6-Dialkylidene-2,5-diketopiperazines for Enantioselective Synthesis of Cyclic Dipeptides, J. Am. Chem. Soc. 2019, 141, 8981-8988.

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