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个人简历

2016.11 至今 中国科学技术大学，特任教授，博导

2015.06-2016.10 美国普渡大学，博士后

2012.06-2015.05 美国芝加哥大学，博士后

2011.01-2012.04 德国于利希研究中心，博士后

2007.04-2010.11 德国亚琛工业大学，博士

2002.10-2007.01 德国哥廷根大学，硕士(本硕连读)

研究方向

过渡金属催化

光催化

招生信息

要求有良好的有机化学的理论知识和实验技能

论文专著

1) Cobalt-Catalyzed Asymmetric Reductive Alkenylation and Arylation of Heterobiaryl Tosylates: Kinetic Resolution or Dynamic Kinetic Resolution? - Cobalt-Catalyzed Asymmetric Reductive Alkenylation and Arylation of Heterobiaryl Tosylates: Kinetic Resolution or Dynamic Kinetic Resolution? - 2023

2) Nickel/Photo-Cocatalyzed Asymmetric Acyl-Carbamoylation of Alkenes - Nickel/Photo-Cocatalyzed Asymmetric Acyl-Carbamoylation of Alkenes - 2020

3) Chromium-Catalyzed Allylic Defluorinative Ketyl Olefin Coupling - Chromium-Catalyzed Allylic Defluorinative Ketyl Olefin Coupling - 2021

4) Synthesis of Multisubstituted Allenes via Nickel-Catalyzed Cross- Electrophile Coupling - Synthesis of Multisubstituted Allenes via Nickel-Catalyzed Cross- Electrophile Coupling - 2021

5) Nickel/Photo-Cocatalyzed Asymmetric Acyl C-H Allylation of Aldehydes and Formamides - Nickel/Photo-Cocatalyzed Asymmetric Acyl C-H Allylation of Aldehydes and Formamides - 2022

6) Nickel-Catalyzed Regioselective Reductive Ring Opening of Aryl Cyclopropyl Ketones with Alkyl Bromides - Nickel-Catalyzed Regioselective Reductive Ring Opening of Aryl Cyclopropyl Ketones with Alkyl Bromides - 2022

7) Nickel-catalyzed reductive asymmetric alkylative ring opening of oxa- and azabicyclic alkenes - Nickel-catalyzed reductive asymmetric alkylative ring opening of oxa- and azabicyclic alkenes - 2023

8) Asymmetric imino-acylation of alkenes enabled by HAT-photo/nickel cocatalysis - Asymmetric imino-acylation of alkenes enabled by HAT-photo/nickel cocatalysis - 2023

9) Nickel-Catalyzed Asymmetric Cross-Electrophile trans-Aryl- Benzylation of alpha-Naphthyl Propargylic Alcohols - Nickel-Catalyzed Asymmetric Cross-Electrophile trans-Aryl- Benzylation of alpha-Naphthyl Propargylic Alcohols - 2023

10) Cobalt-Catalyzed Asymmetric Reductive Dicarbofunctionalization of 1,3-Dienes with o-Bromoaryl Imines as a Bis-Electrophile - Cobalt-Catalyzed Asymmetric Reductive Dicarbofunctionalization of 1,3-Dienes with o-Bromoaryl Imines as a Bis-Electrophile - 2023

Wang Chuan

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Personal Resume

November 2016 - Present: Special-term Professor and Doctoral Supervisor of the University of Science and Technology of China

June 2015 - October 2016: Postdoctoral Researcher of Purdue University

June 2012 - May 2015: Postdoctoral Researcher of University of Chicago

January 2011 - April 2012: Postdoctoral Researcher of Jülich Research Center

April 2007 - November 2010: Ph.D. from RWTH Aachen University

October 2002 - January 2007: Master's Degree (Integrated Bachelor's and Master's Program) from University of Göttingen

Research Directions:

Transition Metal Catalysis

Photocatalysis

Admissions Information:

Applicants are required to have solid theoretical knowledge and experimental skills in organic chemistry.

Publications and Monographs:

1) Cobalt-Catalyzed Asymmetric Reductive Alkenylation and Arylation of Heterobiaryl Tosylates: Kinetic Resolution or Dynamic Kinetic Resolution? - Cobalt-Catalyzed Asymmetric Reductive Alkenylation and Arylation of Heterobiaryl Tosylates: Kinetic Resolution or Dynamic Kinetic Resolution? - 2023

2) Nickel/Photo-Cocatalyzed Asymmetric Acyl-Carbamoylation of Alkenes - Nickel/Photo-Cocatalyzed Asymmetric Acyl-Carbamoylation of Alkenes - 2020

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10) Cobalt-Catalyzed Asymmetric Reductive Dicarbofunctionalization of 1,3-Dienes with o-Bromoaryl Imines as a Bis-Electrophile - Cobalt-Catalyzed Asymmetric Reductive Dicarbofunctionalization of 1,3-Dienes with o-Bromoaryl Imines as a Bis-Electrophile - 2023