

<u>基本信息</u>	
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职务	
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<u>教育背景</u>	
2006.09-2011.07	兰州大学，化学专业，理学博士
2000.9-2004.7	兰州大学，化学专业，理学学士
<u>工作经历</u>	
2014.09-至今	北京理工大学化学与化工学院，副研究员
2011.07-2014.06	美国 Colorado State University、University of Alabama at Birmingham、University of Texas at San Antonio，博士后
2004.07-2006.08	上海药明康德新药开发有限公司，高级技术员
<u>研究方向</u>	
1.	脱羧偶联构筑 C-N、C-C 键 (IDA 反应)
2.	多酸、有机金属和有机小分子的合成与催化方法学
3.	天然产物全合成
<u>荣誉奖励</u>	
1.	2015 年北京理工大学优秀青年教师
<u>承担项目</u>	
1.	铜修饰的多铈钒氧簇设计及其在吡啶合成中的应用 国际科技合作专项计划 10 万 2018-2019
2.	醛催化的不对称偶联反应 北京理工大学校优秀青年教师资助计划 12 万 2015-2016

3.	胺的不对称醛催化反应 北京理工大学青年教师学术启动 10 万 2015-2016
研究成果	
已在 <i>Chem. Commun.</i> , <i>Org. Lett.</i> ; <i>J. Org. Chem.</i> ; <i>Chemistry A European Journary</i> 等顶级期刊上发表近 20 篇高水平的学术论文。2014 年 6 月回国以来, 独立开展了羧酸作为合成子构筑碳氮键的主要工作 (<i>Org. Lett.</i> , 2016, 18, 5560–5563; <i>Org. Biomol. Chem.</i> , 2018, 16, 2421–2426; <i>J. Org. Chem.</i> , 2018, 83, 8233–8240; <i>Adv. Syn. Catal.</i> , 2019, 361, 192–200)。	
1.	发现分子内脱羧胺化 IDA 反应
2.	多金属氧簇催化的脱羧 C–N 偶联
代表性论文	
1.	Hui Fu, Peihe Li, Zheng Wang, Xiaoying Li, Qipu Dai* , and Changwen Hu. Synthesis of the protected α - amino acid via decarboxylation amination from malonate derivatives. <i>Org. Biomol. Chem.</i> , 2020 , 18, 4439–4446.
2.	Qipu Dai , Baoguo Zhao, Yihui Yang, and Yian Shi*. Pd-Catalyzed Oxidative Heck Reaction of Grignard Reagents with Diaziridinone as Oxidant. <i>Org. Lett.</i> , 2019 , 21, 5157–5161.
3.	Zheng Wang, Peihe Li, Hui Fu, Qipu Dai* , and Changwen Hu*. Pd-Catalyzed Synthesis of Indolines through Decarboxylative Amination/Annulation Pathways from Aroyloxycarbamates. <i>Adv. Syn. Catal.</i> , 2019 , 361, 192–200.
4.	Peihe Li, Zheng Wang, Hui Fu, Qipu Dai* , and Changwen Hu*. Cu(I)/{Nb ₆ O ₁₉ } Catalyzed N-Acylation of Arylacetic Acids with Amines under Aerobic Conditions. <i>Chem. Commun.</i> , 2018 , 54, 12471–12474.
5.	Peihe Li, Nuannuan Ma, Zheng Wang, Qipu Dai* , and Changwen Hu*. Base-Mediated Intramolecular Decarboxylative Synthesis of Alkylamines from Alkanoyloxycarbamates. <i>J. Org. Chem.</i> , 2018 , 83, 8233–8240.
6.	Nuannuan Ma, Peihe Li, Zheng Wang, Qipu Dai* , and Changwen Hu*. Synthesis of Indoles from Aroyloxycarbamates with Alkynes via Decarboxylation/Cyclization. <i>Org. Biomol. Chem.</i> , 2018 , 16, 2421–2426.
7.	Peihe Li, Nuannuan Ma, Jikun Li, Zheng Wang, Qipu Dai* , and Changwen Hu*. Regioselective Synthesis of 2-Vinylanilines Using O-aryloxycarbamates by Sequential Decarboxylation/Amination/Heck Reaction. <i>J. Org. Chem.</i> , 2017 , 82, 8251–8257.
8.	Qipu Dai** , Peihe Li [#] , Nuannuan Ma, and Changwen Hu*. Palladium-Catalyzed Decarboxylative Synthesis of Arylamines. <i>Org. Lett.</i> , 2016 , 18, 5560–5563.
9.	Pengfei Wang*, Dattatray A. Devalankar, Qipu Dai , Ping Zhang*, and Suzanne M. Michalek*. Synthesis and Evaluation of QS-21-Based

	Immunoadjuvants with a Terminal-Functionalized Side Chain Incorporated in the West Wing Trisaccharide. <i>J. Org. Chem.</i> , 2016 , <i>81</i> , 9560–9566.
10.	Pengfei Wang*, Qipu Dai , Punith Thogaripally, Ping Zhang, and Suzanne M. Michalek . Expeditious Synthesis of QS - ₂₁ -Based Immunoadjuvants. <i>J. Org. Chem.</i> , 2013 , <i>78</i> , 11525–11534.
11.	Qipu Dai , Nirmal K. Rana, and John Cong-Gui Zhao*. Highly Stereoselective Synthesis of 2,6-cis-Substituted Tetrahydropyrans Using a One-Pot Sequential Catalysis. <i>Org. Lett.</i> , 2013 , <i>15</i> , 2922-2925.
12.	Qipu Dai , Huicai Huang, and John Cong-Gui Zhao*. Highly Stereoselective Synthesis of Trisubstituted Cyclohexanols Using a Guanidine-Catalyzed Tandem Henry-Michael Reaction. <i>J. Org. Chem.</i> , 2013 , <i>78</i> , 4153-4157. Highlighted by Organic-Chemistry.org
13.	Qipu Dai , Hadi Arman, and John Cong-Gui Zhao*. One-Pot Sequential Organocatalysis: Highly Stereoselective Synthesis of Trisubstituted Cyclohexanols. <i>Chemistry A European Journal</i> 2013 , <i>19</i> , 1666 – 1671. Highlighted by Organic-Chemistry.org
14.	Qipu Dai , Xingang Xie, Shiyang Xu, Donghui Ma, Shibing Tang, and Xuegong She*. Total Syntheses of Tardioxopiperazine A, Isoechinulin A and Variecolorin C. <i>Org. Lett.</i> , 2011 , <i>13</i> , 2302-2305.