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教育

1998.09-2002.07 中国科学技术大学 化学学士学位 （尤田耙教授）

2002.09-2004.02 中国科学技术大学 硕士课程学习

2004.02-2008.07 中国科学技术大学&上海有机所 博士学位（丁奎岭教授 尤田耙教授）

工作经历

2009.12-2013.12 美国德州大学达拉斯分校西南医学中心 博士后

2013.12-至今 中国科学院福建物质结构研究所 研究员

获奖及人才项目

2017年 第三届福州青年科技奖
2016年 Thieme Chemistry Journal Award
2015年 青年千人计划
2015年 福建省百人计划
2014年 中国科学院百人计划
2014年 福建省青年拔尖人才
2013年 美国德州大学达拉斯分校西南医学中心生物化学系Travel Award
2012年 美国德州大学达拉斯分校西南医学中心生物化学系Chilton Award
2011年 美国德州大学达拉斯分校西南医学中心生物化学系Chilton Award提名
2010年 美国德州大学达拉斯分校西南医学中心生物化学系Travel Award
Asian Core Program Lectureship Award to Japan, 2019
Asian Core Program Lectureship Award to Singapore,2019

独立后主持科研项目

中科院百人计划 2014-2018 （2018年结题评估优秀）
千人计划 青年项目 2015-2017

福建省百人 创新百人 2015-2017
国家自然科学基金 青年基金 2015-2017
国家自然科学基金 面上基金 2017-2020
国家自然科学基金 面上基金 2019-2023
科技部重点研发 子课题负责人 2018-2023
海西研究院一三五培育项目共同负责人 2017-2022
中科院先导B 参与

发表文章

1. Copper-Catalyzed Radical 1,4-Difunctionalization of 1,3-Enynes with Alkyl Diacyl Peroxides and N-Fluorobenzenesulfonimide. Xiaotao Zhu, Weili Deng, Mong-Feng Chiou, Changqing Ye, Wujun Jian, Yuehua Zeng, Yihang Jiao, Liang Ge, Yajun Li, Xinhao Zhang, and Hongli Bao *J. Am. Chem. Soc.* **2018**. DOI: 10.1021/jacs.8b11499.
2. Iron-catalyzed Radical Acyl-azidation of Alkenes with Aldehydes Synthesis of Unsymmetrical ？β-Azido Ketones. Liang Ge, Yajun Li, and Hongli Bao* *org. lett.* **2018**. (Minor revision)
3. Iron-Catalyzed Carboazidation of Alkenes and Alkynes. Haigen Xiong, Nagarajan Ramkumar, Mong-Feng Chiou, Wujun Jian, Yajun Li, Ji-Hu Su, Xinhao Zhang, and Hongli Bao* *Nat. Commun.* **2018**. (Accepted)
4. Copper(I)-Catalyzed Tandem Reaction: Synthesis of 1,4-Disubstituted 1,2,3-Triazoles from Alkyl Diacyl Peroxides, Azidotrimethylsilane, and Alkynes. Muhammad Israr, Changqing Ye, Munira Taj Muhammad, Yajun Li, Hongli Bao* *Beilstein J. Org. Chem.* **2018**, *14*, 2916.
5. NBN Doped Conjugated Polycyclic Aromatic Hydrocarbons as a New Class of AIEgen for Extremely Sensitive Explosive Detection. Wen-Ming Wan, Di Tian, Ya-Nan Jing, Xiao-Yun Zhang*, Wei Wu, Hao Ren*, Hongli Bao* *Angew. Chem. Int. Ed.* **2018**, 57, 15510.
6. Iron-Catalyzed Dehydrative Alkylation of Propargyl Alcohol with Alkyl Peroxides to Form Substituted 1,3-Enynes. Changqing Ye, Bo Qian, Yajun Li, Min Su, Daliang Li* and Hongli Bao* *Org. Lett.* **2018**, *20*, 3202.
7. Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in Three-Component Alkyl-Fluorination of Olefins with a Fluoride Ion. Weili Deng, Weiwei Feng, Yajun Li* and Hongli Bao* *Org. Lett.* **2018**, *20*, 4245.
8. Iron-Catalyzed Vinylic C-H Alkylation with Alkyl Peroxides. Liang Ge, Wujun Jian, Huan Zhou, Shaowei Chen, Changqing Ye, Bo Qian, Yajun Li and Hongli Bao* *Chem. Asian J.* **2018,** *13*, 2522.
9. HOTf-Catalyzed Alkyl-Heck-Type Reaction. Huan Zhou, Liang Ge, Jinshuai Song, Wujun Jian, Yajun Li, Chunsen Li* and Hongli Bao* *Iscience* **2018**, *3*, 255.

10. A Metal-Free Approach for Brønsted Acid Promoted C–H Alkylation of Heteroarenes with Alkyl Peroxides Yuehua zeng, Bo Qian, Yajun Li and Hongli Bao* *Synthesis* **2018**, *50*, 3250.
11. Iron-Catalyzed Carboiodination of Alkynes. Weili Deng, Yajun Li, Yong-Gui Li* and Hongli Bao* *Synthesis* **2018**, *50*, 2974.
12. Metal-Free Intermolecular Aminochlorination of Unactivated Alkenes. Nengbo Zhu, Yajun Li and Hongli Bao* *Org. Chem. Front.* **2018**, *5*, 1303.
13. Protection of COOH and OH Groups in Acid, Base and Salt Free Reactions. Xiaotao Zhu, Bo Qian, Rongbiao Wei, Jian-Dong Huang and Hongli Bao* *Green. Chem.* **2018**, *20*, 1444.
14. Iron(III)-Catalyzed Ortho-Preferred Radical Nucleophilic Alkylation of Electron-Deficient Arenes. Fei Yu§, Ting Wang§, Huan Zhou, Yajun Li, Xinhao Zhang*, and Hongli Bao* *Org. Lett.* **2017**, *19*, 6538.
15. Copper-Catalyzed Ligand-Free Diazidation of Olefins with $TMSN_3$ in CH_3CN or in H2O. Huan Zhou, Wujun Jian, Bo Qian, Changqing Ye, Daliang Li, Jian Zhou, Hongli Bao* *Org. Lett.* **2017**, *19*, 6120.
16. Recent Progress on Radical Decarboxylative Alkylation for C(sp3)-C Bond Formation. Yajun Li, Liang Ge, Munira Taj Muhammad, Hongli Bao* *Synthesis* **2017**, *49*, 5263.
17. Copper-Catalyzed Regioselective Allylic Oxidation of Olefins via C-H Activation. Nengbo Zhu, Bo Qian, Haigen Xiong, Hongli Bao* *Tetrahedron Lett.* **2017**, *58*, 4125.
18. Iron-Catalyzed Carboamination of Olefins: Synthesis of Amines and Disubstituted β-Amino Acids. Bo Qian, Shaowei Chen, Ting Wang, Xinhao Zhang*, and Hongli Bao* *J. Am. Chem. Soc.* **2017**, *139*, 13076.
19. γ-Amino Butyric Acid(GABA) Synthesis Enabled by Copper-Catalyzed Carboamination of Alkenes. Nengbo Zhu, Ting Wang, Liang Ge, Yajun Li, Xinhao Zhang,* and Hongli Bao*.*Org.Lett.* **2017**, *19*, 4718.
20. Copper-Catalyzed Decarboxylative Alkylation of Terminal Alkynes. Changqing Ye, Yajun Li, Hongli Bao* *Adv. Synth. Catal.* **2017**, *359*, 3720.
21. Alkyl-Esterification of Vinylarenes Enabled by Visible-Light Induced Decarboxylation, Liang Ge, Yajun Li, Hongli Bao* *Chem. Eur. J.* **2017**, *23*, 11767.
22. Iron-Catalyzed Radical Decarboxylative Oxyalkylation of Terminal Alkynes with Alkyl Peroxides, Xiaotao Zhu, Changqing Ye, Yajun Li, and Hongli Bao* *Chem. Eur. J.* **2017**, *23*, 10254.
23. Iron Catalyzed Oxidative Hydroarylation, Methylarylation, and Diarylation of Vinylarenes to Generate Unsymmetrical 1,1-Diarylalkanes. Babu, Kaki Raveendra, Chen, Shaowei, Li, Yajun, Bao, Hongli*. *Chin. J. Org. Chem.* **2017**, 37, 1160.
24. Iron-Catalyzed Decarboxylative Alkyl Etherification of Vinylarenes with Aliphatic Acids as the Alkyl Source, Wujun Jian, Liang Ge, Yihang Jiao, Bo Qian, and Hongli Bao* *Angew. Chem. Int. Ed.* **2017**, *56*, 3650.

25. Iron-Catalyzed C−H Alkylation of Heterocyclic C−H Bonds, Kaki Raveendra Babu, Nengbo Zhu, and Hongli Bao*, *Org. Lett.* **2017**, 19, 46.
26. Hydroalkylation of terminal aryl alkynes with alkyl diacyl peroxides, Yougui Li, Liang Ge, Bo Qian , Kaki Raveendra Babu, Hongli Bao*, *Tetrahedron Lett.* **2016**, *57*, 5677.
27. Iron catalyzed methylation and ethylation of vinyl arenes, Nengbo Zhu, Jianguo Zhao and Hongli Bao* *Chem. Sci.* **2017**, *8*, 2081.
28. Hydroalkylation of terminal aryl alkynes with alkyl diacyl peroxides. Yougui Li, Liang Ge, Bo Qian, Kaki Raveendra Babu, Hongli Bao* *Tetrahedron Lett.* **2016**, *57*, 5677.
29. Copper-catalyzed diesterification of 1,3-diene for the synthesis of allylic diester compounds, Bo Qian, Haigen Xiong, Nengbo Zhu, Changqing Ye, Wujun Jian, Hongli Bao,* *Tetrahedron Lett.* **2016**, *57*, 3400.
30. Copper-Catalyzed Regioselective 1,2-Alkylesterification of Dienes to Allylic Esters, Yougui Li, Yulong Han, Haigen Xiong, Nengbo Zhu, Bo Qian, Changqing Ye, Eric Assen B. Kantchev, and Hongli Bao*. *Org. Lett.* **2016**, *18*, 392.

独立工作以前发表的文章：

31. Regioselective and diastereoselective aminoarylation of 1,3-dienes，HongliBao，Liela Bayeh, Uttam Tambar.* *Chem. Sci.* **2014**, 4863-4867.
32. Allylic alkylation of the simple olefins, HongliBao，Liela Bayeh, Uttam Tambar.* *Angew. Chem. Int. Ed.*,**2014**, 1664-1668.
33. Catalytic enantioselective allylic amination of olefins for the synthesis of ent-sitagliptin, *Synlett*, **2013**, 2459-2463. Hilighted by *Synfacts* **2014**, 10, 0111.
34. Catalytic Enantioselective Allylic Amination of Unactivated Terminal Olefins via an Ene Reaction, [2,3]-Rearrangement, Hongli Bao, Uttam Tambar*. *J. Am. Chem. Soc*., **2012**, 18495-18498. Highlighted by Science as “Editor's Choice”. Highlighted by Synfacts **2013**, 188. Highlighted by Synform as the Synstory.
35. Enantioselective Ring Opening of meso-Epoxides by Aromatic Amines Catalyzed by Dinuclear Magnesium Complex, Hongli Bao, Zheng Wang, Kuiling Ding*, *Chinese J. Chem.* **2013**, 67-71.
36. Total Synthesis of (±)-Trigonoliimine C via Oxidative Rearrangement of an Unsymmetrical Bis-Tryptamine, Xiangbing Qi, Hongli Bao, Uttam Tambar*. *J. Am. Chem. Soc.*, **2011**, 10050-10053.
37. Catalytic Enantioselective [2, 3] Rearrangements of Amine N-oxides. Hongli Bao, Xiangbing Qi., Uttam Tambar*. *J. Am. Chem. Soc.*, **2011**, 1206-1208. Highlighted by Synfacts 2011, 3, 10279.
38. Insight into the Mechanism of the Asymmetric Ring-Opening Aminolysis of 4, 4-Dimethyl-3,5,8-trioxabicyclo [5.1.0] octane Catalyzed by Titanium-BINOLate- Water System: Evidence for the Ti

(BINOLate)2-Bearing Active Catalyst Entities and the Role of Water. Hongli Bao, Zheng Wang, Jin Zhou, Yinlong Guo, Kuiling Ding*, *J. Am. Chem. Soc*., **2008**, *130*, 10116-10127.

39. Stereoselective [2, 3]-rearrangements of amine N-oxides. Hongli Bao, Xiangbing Qi, Uttam Tambar*. *Synlett*, **2011**, 1789-1792.
40. Enantioselective Ring Opening of meso-Epoxides with Aromatic Amines and Aliphatic Amines Catalyzed by Magnesium Complexes of BINOL Derivatives, Hongli Bao, Kuiling Ding* et al, *Eur. J. Org.Chem*. **2010**, 6722-6726. Highlighted by Synfacts **2011**, *3*, 0279-0279.
41. BINOLate–Magnesium Catalysts for Enantioselective Hetero-Diels–Alder Reaction of Danishefsky's Diene with Aldehydes. Haifeng Du, Xue Zhang, Zheng Wang, Hongli Bao, Tianpa You, Kuiling Ding.* *Eur. J. Org. Chem*., **2008**, 2248–2254.
42. Synthesis of Tibavirin Analogues Containing Amino-Acid Residues. Daliang Li, Hongli Bao, Tianpa You*, *Syn. Commun*., **2005**, *35*, 1017-1026.
43. Microwave-Assisted and Efficient One-Pot Synthesis of Substituted 1,2,4-Triazoles. Daliang Li, Hongli Bao, Tianpa You.* *Heterocycles*, **2005**, *65*, 1957-1962.
44. Synthesis and Biological Evaluation of a New Category of Purine-nucleoside Analogues. Daliang Li, Hongli Bao, Qitao Tan, Tianpa You* *Journal of Chinese Chemistry* **2005**, *23 (12)*, 1659-1664.
45. A convenient preparation of enantiopure endo-2-hydroxyepicamphor and endo-3-hydroxycamphor from camphoric acid, Qitao Tan, Daliang Li, Hongli Bao, Tianpa You*. *Syn. Commun*., **2004**, *34*, 2945-2950.

专著专章

1. Hongli Bao, Uttam Tambar, in *Molecular Rearrangements in Organic Synthesis*, (Ed,: Christian Rojas), Wiley-VCH, 2015, pp 459-496.

会议报告

1. 2015年11月13日，江西科技师范大学，化学路上的十年探索
2. 2016年10月30日，第十九届全国金属有机化学学术讨论会口头报告（浙江大学），Peroxides as Alkylating Reagents for Organic Reactions
3. 2016年10月28日，International Conference on New Challenges in Organic Synthesis邀请报告（广州工业大学），Peroxides as Alkylating Reagents for Organic Reactions
4. 2016年11月3日，兰州化物所苏州研究院，Peroxides as Alkylating Reagents for Organic Reactions
5. 2017年4月6日，厦门大学，给研究生报告，和光同尘 与时舒卷
6. 2017年5月22日，合肥工业大学

7. 2017年7月12日，厦门大学
8. 2017年7月22日， The 8th Pacific Symposium on Radical Chemistry18--‐22,July 2017, Brisbane, Australia, Iron-Catalyzed Carboamination of Alkenes for Synthesis of Amines and Amino Acids via Radical Process
9. 2017 年 11 月 5 日，苏州自由基会议，Peroxides as Key Reagents for Organic Reactions
10. 2017年11月9日，日本，Kyoto，The 7th International Kyoto Symposium on Organic Nanostructures and Molecular Technology, Iron-Catalyzed Carboamination of Alkenes for Synthesis of Amines and Amino Acids via Radical Process
11. 2017年11月10日，日本Tateshina Conference， poster
12. 2017年12月13日，广州青年有机化学研讨会@华南理工，邀请报告，Peroxides as Key Reagents for Organic Reactions
13. 2018年7月30-31日，苏州黄埭学术会议，邀请报告，过氧化物2.0
14. 2018.10.12，桂林，过氧化物2.0, 邀请报告
15. 2018.11.1，泰国曼谷，Poster，过氧化物2.0
16. 2018年12月14-15，浙江师范大学，过氧化物2.0，邀请报告
17. 2018年12月29日，厦门大学，邀请报告