

张红林/讲师

院 系	化学系	性 别	男
从 事 专 业	有机化学	学 位	博士
学 历	研究生	毕 业 院 校	南京大学
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研 究 方 向	有机合成方法学, 自由基化学		

个人简介

张红林, 讲师, 1988 年生, 河北沧州人。2011 年毕业于华中师范大学应用化学专业, 2013 年毕业于华中师范大学化学工程专业, 导师刘盛华教授, 从事小分子荧光探针的合成与应用研究。2013-2016 年在南京大学化学专业攻读博士学位, 导师胡宏纹院士、朱成建教授, 从事自由基参与的 C-H 键官能化研究。2017 年加入南京农业大学, 研究方向为有机合成方法学、自由基化学。目前以第一作者身份在 *Chemical Communications*, *Journal of the Organic Chemistry*, *Organic Chemistry Frontiers* 等知名期刊发表 5 篇 SCI 论文, 合作发表论文 12 篇。

教学信息

本科生课程《实验化学 I》、《实验化学 II》

科研项目

所获奖项

发表文章

第一作者论文

- (5) **Honglin Zhang**, Chengjian Zhu,* Iron-Catalyzed Cascade Cyanoalkylation/Radical Dearomatization of *N*-phenylcinnamamides: Access to Cyanoalkylated 1- Azaspiro[4.5]decanes, *Org. Chem. Front.* **2017**, 4, 1272-1275.
- (4) **Honglin Zhang**, Weipeng Li, Chengjian Zhu,* Copper-catalyzed Cascade Phosphorylation Initiated Radical Cyclization: Access to 2-Phosphorylated-pyrrolo [1,2-*a*]indole, *J. Org. Chem.* **2017**, 82, 2199-2204.
- (3) **Honglin Zhang**, Zhangxi. Gu, Zhenyi Li, Changduo Pan, Weipeng Li, Hongwen Hu,

Chengjian Zhu,* Silver-Catalyzed Cascade Radical Cyclization: A Direct Approach to 3,4-Disubstituted Dihydroquinolin-2(1*H*)-ones through Activation of the P–H Bond and Functionalization of the C(sp²)–H Bond, *J. Org. Chem.* **2016**, *81*, 2122-2127.

(2) **Honglin Zhang**, Zhangxi Gu, Pan Xu, Hongwen Hu, Yixiang Cheng, Chengjian Zhu,* Metal-free Tandem Oxidative C(sp³)–H Bond Functionalization of Alkanes and Dearomatization of *N*-Phenyl-cinnamamides: Access to Alkylated 1-Azaspiro[4.5]-decanes, *Chem. Commun.* **2016**, *52*, 477-480.

(1) **Honglin Zhang**, Changduo Pan, Ning Jin, Zhangxi Gu, Hongwen Hu, Chengjian Zhu,* Metal-free Cascade Construction of C–C Bond by Activation of Inert C(sp³)–H bond, *Chem. Commun.* **2015**, *51*, 1320-1322.

合作论文

(12) Kang Guo, **Honglin Zhang**, Shujun Cao, Chen Gu, Huating Zhou, Jie Li, Yingguang Zhu,* Copper-Catalyzed Domino Cyclization/Trifluoromethylthiolation of Unactivated Alkenes: Access to SCF₃-Containing Pyrroline, *Org. Lett.* **2018**, *20*, 2261–2264.

(11) Fei Meng, **Honglin Zhang**, Kang Guo, Jiayue Dong, Ai-Min Lu, Yingguang Zhu,* Access to Cyano-Containing Isoxazolines via Copper-Catalyzed Domino Cyclization/Cyanation of Alkenyl Oximes, *J. Org. Chem.* **2017**, *82*, 10742–10747.

(10) Nengneng Zhou, Jing Liu, Zhongfei Yan, Zhongkai Wu, **Honglin Zhang**, Weipeng Li, Chengjian Zhu*, Synthesis of Cyclohexylidenehydrazines-fused Polycyclics via Photocatalytic Radical Cascade Reaction of 2-Ethynylaldehyde Hydrazone, *Chem. Commun.* **2017**, *53*, 2036-2039.

(9) Nengneng Zhou, Zhongfei Yan, **Honglin Zhang**, Zhongkai Wu, Chengjian Zhu,* Metal-free Radical Oxidative Cyclization of *o*-Azidoaryl Acetylenic Ketones with Sulfinic Acids to Access Sulfone-Containing 4-Quinolones. *J. Org. Chem.* **2016**, *81*, 12181–12188.

(8) Guoqiang Wang, **Honglin Zhang**, Jiyang Zhao, Wei Li, Jia Cao, Chengjian Zhu,* Shuhua Li,* Homolytic Cleavage of a B–B Bond by the Cooperative Catalysis of Two Lewis Bases: Computational Design and Experimental Verification, *Angew. Chem. Int. Ed.* **2016**, *55*, 5985-5989.

(7) Changduo Pan,* **Honglin Zhang**, Chengjian Zhu,* Oxidative Difunctionalization of

Alkynoates *via* Cascade Radical Addition, Aryl Migration, and Decarboxylation, *Tetrahedron Lett.* **2016**, *57*, 595–598.

(6) Zhangxi Gu, **Honglin Zhang**, Pan Xu, Yixiang Cheng, Chengjian Zhu,* Visible-Light-Induced Radical Tandem Aryldifluoroacetylation of Cinnamamides: Access to Difluoroacetylated Quinolone-2-ones And 1-Azaspiro[4.5]decanes, *Adv. Synth. Catal.* **2015**, *357*, 3057-3063.

(5) Ning Jin, Changduo Pan, **Honglin Zhang**, Pan Xu, Yixiang Cheng, Chengjian Zhu,* Rhodium-Catalyzed Direct C7 Alkynylation of Indolines, *Adv. Synth. Catal.* **2015**, *357*, 1149-1153.

(4) Changduo Pan, **Honglin Zhang**, Jie Han, Yixiang Cheng, Chengjian Zhu,* Metal-free Radical Oxidative Decarboxylation/Cyclization of Acyl Peroxides and 2-Isocyano-biphenyls, *Chem. Commun.* **2015**, *51*, 3786-3788.

(3) Changduo Pan, **Honglin Zhang**, Chengjian Zhu,* Fe-promoted Radical Cyanomethylation/Arylation of Arylacrylamides to Access Oxindoles *via* Cleavage of the sp³ C–H of Acetonitrile and the sp² C–H of Phenyl Group, *Org. Biomol. Chem.* **2015**, *13*, 361-364.

(2) Changduo Pan, Ning Jin, **Honglin Zhang**, Jie Han, Chengjian Zhu,* Iridium-Catalyzed Phosphoramidation of Arene C–H Bonds with Phosphoryl Azide, *J. Org. Chem.* **2014**, *79*, 9427-9432.

(1) Changduo Pan, Jie Han, **Honglin Zhang**, Chengjian Zhu,* Radical Arylalkoxycarbonylation of 2-Isocyanobiphenyl with Carbazates: Dual C–C Bond Formation towards Phenanthridine-6-carboxylates. *J. Org. Chem.* **2014**, *79*, 5374- 5378.