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首页» 师资队伍

师资概况

专家人才

教师队伍

张翔

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一、个人简介:

张翔, 男, 汉族, 1989年8月生, 安徽蚌埠人。博士, 副教授, 硕士生导师。

二、工作经历:

2019.12 - 至今, 西北农林科技大学化学与药学院, 副教授

2017.08 - 2019.07, 瑞士日内瓦大学博士后, 合作导师: Stefan Matile教授

三、受教育经历:

2012.09 - 2017.07, 天津大学, 应用化学, 工学博士, 导师: 赵康教授

2008.09 - 2012.07, 天津医科大学, 药物制剂, 理学学士, 导师: 段宏泉教授

四、研究兴趣: 有机合成方法学, 杂环化学, 活性天然产物及功能分子的合成, 弱相互作用下的催化反应

五、科研课题:

西北农林科技大学引进人才启动经费30万元, 主持, 2019-2024年

六、开设课程:



《有机化学B》（食品科学与工程学院本科生），2020年春

七、主要学术成果

（一）、已发表论文：

1. Xiang Zhang, Naomi Sakai, Stefan Matile.*Methyl Scanning for Mechanochemical Chalcogen-Bonding Cascade Switches. *ChemistryOpen* 2019, in press (DOI: 10.1002/open.201900288).
2. Xiang Zhang, Xintong Wan, Ying Cong, Xiaohua Zhen, Qiao Li, Daisy Zhang-Negrerie, Yunfei Du,*Kang Zhao.*Lactonization of 2-Alkynylbenzoates for the Assembly of Isochromenones Mediated by $\text{BF}_3 \cdot \text{Et}_2\text{O}$. *J. Org. Chem.* 2019, 84, 10402–10411.
3. Xiang Zhang, XiaoyuHao, Le Liu, Anh-Tuan Pham, Javier López-Andarias, Antonio Frontera, Naomi Sakai, Stefan Matile.* Primary Anion- π Catalysis and Autocatalysis. *J. Am. Chem. Soc.* 2018, 140, 17867–17871.
4. Xiang Zhang(#), Le Liu (#), Javier López-Andarias, Chao Wang, Naomi Sakai, and Stefan Matile.* Anion- π Catalysis: Focus on Nonadjacent Stereocenters. *Helv.Chim.Acta* 2018, 101, e1700288.
5. Xiang Zhang, Guangshuai Zhou, Yong Zhang, Daisy Zhang-Negrerie, Yunfei Du,* Kang Zhao.* A Ring-contraction Disproportionation-Spirocyclization Cascade Reaction of Isochromeno [4,3- b]indol-5(11 H)-ones: Synthesis of N -Unsubstituted Spirocycles. *J. Org. Chem.* 2016, 81, 11397.
6. Xiang Zhang, Ying Cong, KunhuaLei, XuliangGuo, Yang Cao, Kunhua Lei, Yunfei Du.* Recent Advances of the Application of Organoiodine(III) Reagents in the Construction of Heterocyclic Compounds. *Chin. J. Org. Chem.* 2016, 36, 2513 (Review, Cover).
7. Xiang Zhang, WenjuanHou, Daisy Zhang-Negrerie, Kang Zhao, Yunfei Du.* Hypervalent Iodine-Mediated Intramolecular trans -Aminocarboxylation and Oxoaminocarboxylation of Alkynes: Divergent Cascade Annulations of Isocoumarins under Metal-Free Conditions. *Org. Lett.* 2015, 17, 5252–5255 (highlighted by X-mol news, <http://www.x-mol.com/news/1517>).

8. Xiang Zhang, Chao Yang, Daisy Zhang-Negrerie, Yunfei Du.* Hypervalent-Iodine-Mediated Cascade Annulation of Diarylalkynes Forming Spiro Heterocycles under Metal-Free Conditions. *Chem.–Eur. J.* 2015, 21, 5193–5198 (Hot Paper).
9. Xiang Zhang, Daisy Zhang-Negrerie, Jun Deng, Yunfei Du,* Kang Zhao.* Synthesis of Diversely Substituted Indoloquinolinones via Pd(II)/Cu(II)-Mediated Oxidative C–C Bond Formation and I(III)-Mediated C–N Bond Formation. *J. Org. Chem.* 2013, 78, 12750–12759 (Abstracted by ChemInform, 2014, DOI: 10.1002/chin.201422168).
10. Ying Zhou, Xiang Zhang, Daisy Zhang-Negrerie, Yunfei Du.* Iodocyclization of N - Arylpropynamides Mediated by Hypervalent Iodine Reagent: Divergent Synthesis of Quinolin-2-ones and Spiro[4,5]trienones. (*Org. Lett.* 2017, 19, 150-153)
11. Yang Cao, Xiang Zhang, Guangyu Lin, Daisy Zhang-Negrerie, Yunfei Du.* Chiral Aryliodine-Mediated Enantioselective Organocatalytic Oxidative Spirocyclization of Spirofurooxindoles via Cascade C–O and C–C Bond Formation. *Org. Lett.* 2016, 18, 5580.
12. Chao Yang, Xiang Zhang, Daisy Zhang-Negrerie, Yunfei Du,* Kang Zhao.* PhI(OCOCF₃)₂-Mediated Cyclization of *o*-(1-Alkynyl)benzamides: Metal-Free Synthesis of 3-Hydroxy-2,3-dihydroisoquinoline-1,4-dione. *J. Org. Chem.* 2015, 80, 5320–5328.
13. Xuming Li, Liu Yang, Xiang Zhang, Daisy Zhang-Negrerie, Yunfei Du,* Kang Zhao.* Construction of 1,4-Benzodiazepine Skeleton from 2-(Arylamino)benzamides through PhI(OAc)₂-Mediated Oxidative C–N Bond Formation. *J. Org. Chem.* 2014, 79, 955–962.
14. Jia Liu, Sheng-Nan Ma, Xiang Zhang, Mei-Na Jin, Mei-Hua Jin, Dexin Kong,* Nan Qin,* Hong-Quan Duan.* Synthesis and Antimetastatic Effect of E -Salignone. *Chem. Nat. Compd.* 2014, 50, 697–701.
15. Hong-Ling Wang, Nan Qin, Jia Liu, Mei-Na Jin, Xiang Zhang, Mei-Hua Jin, Dexin Kong, Shen-De Jiang, Hong-Quan Duan.* Synthesis and Antimetastatic Effects of E -Salignone Amide Derivatives. *Drug Dev. Res.* 2014, 75, 76–87.
16. Le Liu, Hang Lu, Hong Wang, Chao Yang, Xiang Zhang, Daisy Zhang-Negrerie, Yunfei Du,* Kang Zhao.* PhI(OCOCF₃)₂-Mediated C–C Bond Formation Concomitant with a 1,2-Aryl Shift in a

Metal-Free Synthesis of 3-Arylquinolin-2-ones. Org. Lett . 2013, 15 , 2906–2909.

(二)、著述章节:

Yunfei Du, Xiang Zhang, Kang Zhao " e -EROS Electronic Encyclopedia of Reagents for Organic Synthesis"(Phenyliodine(III) Bis(trifluoroacetate)(rp069),Wiley (Latest Version, DOI: 10.1002/047084289X.rp069.pub3).

(三)、授权专利:

Yunfei Du, Xuming Li, Xiang Zhang, Kang Zhao. Synthesis of 1,4-Benzodiazepine Derivatives. Patent, CN201310455049.1, approved on Jan. 5th, 2014.

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