

## 理工实验平台人员介绍

### 理工实验平台 张成

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### 简介

张成博士从事水环境污染物的环境行为、环境效应、环境风险和控制技术研究的研究工作，在水环境污染物的迁移机制、转化机理、检测方法等研究方面取得了一定成绩。目前，已在 *Organometallics*、*European Journal of Inorganic Chemistry*、*Journal of Organometallic Chemistry* 等国内外知名期刊发表科研论文 30 余篇。

### 最高学历

2005.09~2008.06，中国科学技术大学化学与材料科学学院，博士

### 近期科研成果

#### 项目经历

1. 2017-2020 年，参与广东省教育厅项目“新型脲键 $\beta$ -环糊精类手性分离材料的研制及其拆分机理分析”
2. 2018-2019 年，参与珠海市生态环境局第二次全国污染源普查技术项目
3. 2015-2019 年，主持广东省质量工程项目“食品安全与检测精品资源共享课”
4. 2018-2019 年，主持珠海市高新区项目“食品安全覆盖性监测”

#### 发表论文,专利及著作

1. Xiangxin Zheng, Cheng Zhang, Zhongxia Wang. Synthesis and characterization of zinc complexes supported by NHC-based CNN- and CNP-tridentate ligands and their catalysis in the ring-opening polymerization of rac-lactide and  $\epsilon$ -caprolactone. *Journal of Organometallic Chemistry* 2015, 78: 3105-115.
2. Xiaofeng Yu, Cheng Zhang, Zhongxia Wang. Rapid and controlled polymerization of rac-Lactide using N,N,O-chelate zinc enolate catalysts. *Organometallics* 2013, 32: 3262-3268.
3. Cheng Zhang, Zhongxia Wang. N-Heterocyclic carbene-based nickel complexes: synthesis and catalysis in cross-couplings of aryl chlorides with ArMX (M = Mg or Zn). *Organometallics* 2009, 28: 6507-6514.
4. Cheng Zhang, Zhongxia Wang. N,O-chelate aluminum and zinc complexes: synthesis and catalysis in the ring-opening polymerization of  $\epsilon$ -caprolacton. *Applied Organometallic Chemistry* 2009, 23: 9-18.

5. Cheng Zhang, Zhongxia Wang. Aluminum and zinc complexes supported by functionalized phenolate ligands: synthesis, characterization and catalysis in the ring-opening polymerization of  $\epsilon$ -caprolactone and rac-lactide. *Journal of Organometallic Chemistry* 2008, 693: 3151-3158.
6. Zuoyun Chai, Cheng Zhang, Zhongxia Wang. Synthesis, characterization and catalysis in  $\epsilon$ -caprolactone polymerization of aluminum and zinc complexes supported by N,N,N-chelate ligands. *Organometallics* 2008, 27: 1626-1633.
7. Li Wang, Cheng Zhang, Zhongxia Wang. Synthesis and characterization of iron, cobalt and nickel complexes bearing novel N,N-chelate ligands and their catalytic properties in ethylene oligomerization. *European Journal of Inorganic Chemistry* 2007, 17: 2477-2487.
8. Cheng Zhang, Wenhua Sun, Zhongxia Wang. Cobalt and nickel complexes bearing pyrazolyiminophorane ligands: synthesis, characterization and catalytic ethylene oligomerization behaviour. *European Journal of Inorganic Chemistry* 2006, 23: 4895-4902.

## 9. 仪器管理

气相色谱质谱联用仪等。