

所属学院 化工学院

学科领域 化学工程与技术

邮箱 zhjsui@ecust.edu.cn

个人简介

2010.1-2010.12, 以色列本-古里安大学, 博士后研究

2008/7- 至今, 华东理工大学, 化工学院, 副教授

2005/7-2008/7, 华东理工大学, 化工学院, 讲师

2002/3 - 2005/6, 华东理工大学, 化学工程, 博士

1999/9 - 2002/3, 华东理工大学, 化学工程, 硕士

1992/9 - 1996/7, 华东理工大学, 化学工程, 学士

研究方向

- 1、催化反应动力学：微观与宏观反应动力学建模及其在工业反应过程的应用、原位瞬态动力学技术
- 2、催化剂工程：丙烷脱氢反应催化剂开发，贵金属与单原子金属催化剂的制备；
- 3、催化反应工程：工业反应器的模拟

研究成果及主要发表文章

1. 隋志军, 单玉领, 朱贻安. 一种微孔分子筛及其制备方法和应用, 2017.6.6, 中国, CN201510006053.9.
2. 隋志军, 顾雄毅, 李平, 周静红, 李贤, 陈春波, 周兴贵, 一种乙苯二氧化碳脱氢催化剂及其制备方法, 2013.11.06, 中国, CN201010522246.7
3. WangHai-Zhi; ZhangWei; JiangJia-Wei; SuiZhi-Jun(*); ZhuYi-An; YeGuang-Hua; ChenDe; ZhouXing-Gui; YuanWei-Kang, The role of H₂S addition on Pt/Al₂O₃ catalyzed propane dehydrogenation: a mechanistic study, Catalysis Science & Technology, 2019, 9(3):867-876.
4. ShanYuling; SuiZhiJun(*); ZhuYian; ZhouJinghong; ZhouXinggui; ChenDe, Boosting Size-Selective Hydrogen Combustion in the Presence of Propene Using Controllable Metal Clusters Encapsulated in Zeolite, Angewandte Chemie International Edition, 2018, 57(31): 9770-9774.
5. Wang, Hai-Zhi; Sun, Li-Li; Sui, Zhi-Jun(*); Zhu, Yi-An; Ye, Guang-Hua; Chen, De; Zhou, Xing-Gui; Yuan, Wei-Kang, Coke Formation on Pt-Sn/Al₂O₃ Catalyst for Propane Dehydrogenation, Industrial & Engineering Chemistry Research, 2018, 57(26): 8647-8654.
6. Zhu Yian(*), WangZijun, ChengHongye, YangQinmin, SuiZhiJun(*), ZhouXinggui, ChenDe, Decoding Structural Complexity in Conical Carbon Nanofibers, Physical Chemistry Chemical Physics, 2017, 19(22): 14555-14565.
7. Zhang, Jian; Sui, Zhijun(*); Zhu, Yi-An; Chen, De; Zhou, Xinggui; Yuan, Weikang, Composition of the Green Oil in Hydrogenation of Acetylene over a Commercial Pd-Ag/Al₂O₃ Catalyst, Chemical Engineering & Technology, 2016, 39(5): 865~873.
8. Shan, Yu-Ling; Zhu, Yi-An; Sui, Zhi-Jun(*); Chen, De; Zhou, Xing-Gui, Insights into the effects of steam on propane dehydrogenation over a Pt/Al₂O₃ catalyst, Catalysis Science & Technology, 2015, 5(8): 3991-4000.
9. Shan, Yuling; Sui, Zhijun(*); Zhu, Yian; Chen, De; Zhou, Xinggui, Effect of steam addition on the structure and activity of Pt-Sn catalysts in propane dehydrogenation, Chemical Engineering Journal, 2015, 278: 240-248