



所属学院 化工学院
学科领域 化学工程与技术
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个人简介

教育背景:

1998. 7	2002. 9	华东理工大学化工学院	学士
2002. 9	2007. 3	华东理工大学化工学院	博士

工作经历:

讲师	2007. 7	2009. 9	华东理工大学化工学院
访问学者	2011. 9	2012. 9	Princeton University
副教授	2009. 9	2018. 8	华东理工大学化工学院
教授	2018. 9	今	华东理工大学化工学院

研究方向

- 1、基于分子管理的油气资源高效利用和清洁转化
- 2、分子筛及 MOFs 等多孔材料的合成与吸附分离
- 3、分子炼油与石油加工过程分子水平反应动力学模型
- 4、润滑油配方及加工工艺

研究成果及主要发表文章

1. Balzer C, Armstrong M, Bohan Shan, Yingjie Huang, Jichang Liu*, Bin Mu*. Modeling nanoparticle dispersion in electrospun nanofibers. Langmuir. 2018, 34, 1340-1346

2. Bohan Shan, Jiu hao Yu, Mitchell R. Armstrong, Dingke Wang, Bin Mu*, Zhenfei Cheng, Jichang Liu*. A cobalt metal-organic framework with small pore size for adsorptive separation of CO2 over N2 and CH4. AIChE J. 2017, 60, 4532-4540

3. Jichang Liu*, Zhenfei Cheng, James Wei, Qiancheng Zhang, Xiang Chen, Yuhao Cen, Linfeng Li. Mean stop paths and diffusion regimes of molecules in one-dimensional zeolite channels. Chem. Eng. Sci. 2017, 172, 117-124

4. Jichang Liu*, Hua Chen, Zhipeng Pi, Yifeng Liu, Hui Sun, Benxian Shen. Molecular-level process model with feedback of the heat effects on a complex reaction network in a fluidized catalytic cracking process. Ind. Eng. Chem. Res. 2017, 56, 3568-3577

5. Jichang Liu*, Shimin Zhao, Xiang Chen, Benxian Shen. Upgrading FCC gasoline through adsorption separation of normal hydrocarbons. Fuel. 2016, 166, 467-472

6. Tongmei Ding, Hengshui Tian*, Jichang Liu*, Wenbin Wu, Bingqin Zhao. Effect of promoters on hydrogenation of diethyl malonate to 1,3-propanediol over nano copper-based catalysts. Catal. Commun. 2016, 74, 10-15

7. Chuanjun Ge, Xiang Zhang, Jian Liu, Feng Jin, Jichang Liu*, Hong Bi*. Hollow-spherical composites of Polyaniline/Cobalt Sulfide/Carbon nanodots with enhanced magnetocapacitance and electromagnetic wave absorption capabilities. Appl. Surf. Sci. 2016, 378, 49-56 (

8. Liu Jichang*, Chen Xiang, Zhao Shimin, Cao Xin, Shen BenXian. Multicycle investigation of normal paraffin separation from naphtha to improve olefin and aromatic feed. Ind. Eng. Chem. Res. 2015, 54, 12664-12670

9. Zhipeng Pi, Benxian Shen*, Jigang zhao, Jichang Liu*. CuO, CeO2 modified Mg-Al spinel for removal of SO2 from FCC flue gas. Ind. Eng. Chem. Res. 2015, 54, 10622-10628

10. Jichang Liu, James Wei*. Knudsen diffusion in channels and networks. Chem. Eng. Sci. 2014, 111, 1-14