



所属学院 化工学院

学科领域 化学工程与工艺、石油天然气工程

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个人简介

博士、教授、博士生导师，绿色能源化工国际联合研究中心主任。长期以来一直从事石油化工等领域工艺技术和产品的开发研究，曾参加和主持过中石化、国家重点攻关、博士后基金、863、973 前期和 973 国际合作重点项目等课题，多次获得中石化和上海市科技进步奖，被评为上海市高校优秀青年教师，入选上海市科技启明星，先后发表研究论文百余篇，申请专利 10 余项。

研究方向

重质油的加工和利用工艺及技术，超强酸催化剂的开发及应用，纳米润滑油添加剂的开发和应用，轻质石油产品的加工和利用工艺及技术，高性能改性沥青的研发，石油清洁加工工艺技术的开发。

研究成果及主要发表文章

- 1 Wang Feng,Kuang Minming,Li Guanlong,Zhou Xiaolong*,Li Chenglie. Investigation of swelling and dissolution process of nature rubber in aromatic oil[J]. Journal of China Petroleum Processing & Petrochemical Technology, 2015, 17(3):76-86.
- 2 Xiaolong Zhou*,Feng Wang□ Xulu Yuan□ Minming Kuang□ Yueqin Song□ Chenglie Li.Usage of slurry oil for the preparation of crumb-rubber-modified asphalt emulsions [J].Construction and Building Materials,2015,76:279-285.
- 3 Xiaolong Zhou*, Minchao Fen, Hui Niu.Adsorptive recovery of ethylene by CuCl₂ loaded activated carbon via π -complexation[J].Adsorption Science & Technology, 2016, 34:355-367.
- 4 Zhang X H , Song Y Q , Zhou X L , et al. Performance of different zeolites as adsorbents for methane[J]. Energy Sources, 2016, 38(2):202-208.
- 5 Minchao Feng,Xiaolong Zhou*,Wei Hu,Wenyan Wang,Chenglie Li.Improved separation and utilization of light naphtha stock by adsorption process[J]. Adsorption Science & Technology, 2018,36 □1-2□ :732-742.
- 6 Chen Weiwei, Zong Rui, Zhou Xiaolong*, Li Chenglie. Optimum Operating and Regeneration Parameters of ZnI₂ Catalyst for Converting Methanol to Triptane: An Ideal Component of Unleaded Aviation Gasoline. China Petroleum Processing and Petrochemical Technology,2018, 2:56-64.
- 7 Yang Zhang, Xinyun Shen, Xuesi Hong, Xiaolong Zhou*. Heating behaviour and upgrading of a heavy oil in multimode and single-mode microwave cavities[J]. Petroleum Science and Technology, 2018,36(19):1589-1596.
- 8 Yun L,Chao G,Ting Zhang, Xinhui Feng, Xiaolong Zhou*, et al. Preparation of PolyHIPE beads and the application in bio-degradation of sulfate containing wastewater[J]. Reactive and Functional Polymers, 2018, 131:142-149.