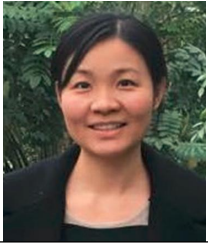


华南理工大学化学与化工学院老师简介

姓名	肖静	性别	女	出生年月	1982.06	籍贯	湖北	
职称	研究员	民族	汉	最高学位	博士	党派	中共党员	
招生专业	化学工程			研究方向	化工吸附分离, 能源环境功能材料			
主要学习工作经历和主要学术兼职	<p>学习研究经历:</p> <p>2014.11-至今 华南理工大学 化学与化工学院 研究员</p> <p>2012.12-2014.10 华南理工大学 化学与化工学院 助理研究员, 副研究员</p> <p>2008.09-2012.12 美国宾夕法尼亚州立大学 能源工程 博士</p> <p>2006.06-2007.02 美国堪萨斯聚合物研究中心 副研究员</p> <p>2003.08-2006.05 华南理工大学/美国匹兹堡州立大学 化学工程/工程技术 双硕士学位</p> <p>1999.09-2003.07 华南理工大学 应用化学 学士</p> <p>获奖、学术兼职、在研项目:</p> <p>获 2016 年广东省杰出青年科学基金资助;</p> <p>获广东省特支计划科技创新青年拔尖人才, 广州市珠江科技新星专项资助;</p> <p>获 2014 年国际能源与环境领域权威奖项艾尼奖提名; 兼任二十多个国际期刊审稿人;</p> <p>现主持国家自然科学基金 2 项, 省部级项目多项, 中石油创新基金 1 项等。</p>							
科学研究情况简介	<p>主要从事化工吸附分离和能源环境材料领域的应用基础研究。主要研究方向有:</p> <p>(1) 石油化工-清洁燃料: 新型高效脱硫(氮)吸附剂和吸附分离过程的设计/机理及其在清洁燃料生产中的应用基础研究; (2) 气体分离与净化: 新型高选择性功能吸附材料和吸附分离过程的设计及其在 CO₂ 等气体分离方面的应用基础研究; (3) 水体有机微污染治理, 环境催化等。</p> <p>近年共发表论文 50 余篇, 其中以第一/通讯作者在 <i>AIChE J</i>, <i>Chem Eng Sci</i>, <i>Ind Eng Chem Res</i>, <i>Appl Catal B Environ</i>, <i>Appl Energy</i>, <i>J Hazard Mater</i>, <i>Fuel</i>, <i>Energy Fuels</i>, <i>ChemCatChem</i>, <i>Langmuir</i>, <i>J Phys Chem C</i>, <i>Chem Eng J</i> 等国际化工和能源环境领域权威杂志上发表 SCI 论文 30 余篇, 发明专利 10 余项。近 5 年主要论文如下(*为通讯作者, 2016-03 更新):</p> <p>2016</p> <ol style="list-style-type: none"> Miao, G.; Huang, D.; Ren, X.; Li, X.; Li, Z.; Xiao, J.* Visible-light induced photocatalytic oxidative desulfurization using BiVO₄/C₃N₄@SiO₂ with air/cumene hydroperoxide under ambient conditions. <i>Appl. Catal. B Environ.</i> 2016, doi: 10.1016/j.apcatb.2016.03.033. Li, X.; Pi, Y.; Xia, Q.; Li, Z.; Xiao, J.* TiO₂ encapsulated in Salicylaldehyde-NH₂-MIL-101(Cr) for enhanced visible light-driven photodegradation of MB. <i>Appl. Catal. B Environ.</i> 2016, 191, 192-201. Zhou, Z.; Mei, L.; Ma, C.; Xu, F.; Xiao, J.*; Xia, Q.; Li, Z.* A novel bimetallic MIL-101(Cr, Mg) with high CO₂ adsorption capacity and CO₂/N₂ selectivity. <i>Chem. Eng. Sci.</i> 2016, 10.1016/j.ces.2016.03.035. Ren, X.; Miao, G.; Xiao, Z.; Ye, F.; Li, Z.; Wang, H.H.; Xiao, J.* Catalytic Adsorptive Desulfurization Using TiO₂/SBA-15 under Mild Conditions. <i>Fuel</i>, 2016, 174, 118-125. <p>2015</p> <ol style="list-style-type: none"> Xiao, J.; Sitamraju, S.; Chen, Y.; Watanabe, S.; Fujii, M.; Janik, M.J.; Song, C.S.* Air-promoted Adsorptive Desulfurization of Diesel Fuel over Ti-Ce Mixed Metal Oxides. <i>AIChE J.</i> 2015, 61(2), 631-639. Xian, S.; Wu, Y.; Wu, J.; Wang, X.; Xiao, J.* Enhanced Dynamic CO₂ Adsorption Capacity and CO₂/CH₄ Selectivity on Polyethyleneimine Impregnated UiO-66. <i>Ind. Eng. Chem. Res.</i> 2015, 54, 11151-11158. Miao, G.; Ye, F.; Wu, L.; Ren, X.; Xiao, J.*; Li, Z.*; Wang, H.H. Selective adsorption of thiophenic compounds from fuel over TiO₂/SiO₂ under UV-irradiation. <i>J. Hazard. Mater.</i> 2015, 300, 426-432. Yan, J.; Yu, Y.; Ma, C.; Xiao, J.*; Xia, Q.; Li, Y.; Li, Z.* Adsorption isotherms and Kinetics of Water Vapor on Novel Adsorbents MIL-101(Gr)@GO with Super-high Capacity. <i>Appl. Therm. Eng.</i> 2015, 84, 							

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