

### 化工学院导师个人情况表

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#### 个人简介

范煜：男，中国石油大学(北京)研究员，教育部新世纪优秀人才，北京市科技新星，全国百篇优秀博士论文提名。1996 年在大连理工大学获化工专业学士学位，2001 年在大连理工大学获化学反应工程专业硕士学位，2005 年在中国石油大学(北京)获化学工程与技术专业博士学位，2011 年 8 月至 2012 年 3 月在英属哥伦比亚大学 ( University of British Columbia ) 做访问学者。主持国家自然科学基金项目 3 项、973 项目子课题 2 项、多项省部级课题。近年来，主要从事油品清洁化的基础理论和应用研究、新型催化/功能材料的设计合成和催化剂制备新方法的研究，已在国内外重要期刊上发表论文 40 余篇，其中包括能源领域的权威期刊 Energy & Environmental Science、催化领域的权威期刊 Journal of Catalysis 和化学工程领域的权威期刊 AIChE Journal；已发表论文被 SCI 收录 34 篇，其中 SCI 影响因子高于 9.0 的 1 篇、高于 5.0 的 8 篇；申请中国发明专利 30 项、美国发明专利 2 项，其中已授权 11 项。

#### 发表的代表性论文

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modulating the morphology of supported metal nanoparticles in hydrodesulfurization catalysts. *Energy & Environmental Science*, 2011, 4: 572-582.

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- [10] **Yu Fan**, Xiaojun Bao, Hao Wang, Chunfang Chen, Gang Shi. A surfactant-assisted hydrothermal deposition method for preparing highly dispersed W/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> hydrodenitrogenation catalyst. *Journal of Catalysis*, 2007, 245: 477-481.
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- [13] Yihui Ding, Jifeng Liang, **Yu Fan**, Yonggang Wang, Xiaojun Bao. Synergisms between matrices and ZSM-5 in FCC gasoline non-hydrogenating upgrading

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## 科研项目

主持国家自然科学基金项目 3 项、973 项目子课题 2 项、中石油重点和应用基础研究项目多项、中石油创新基金 1 项、教育部新世纪优秀人才项目 1 项、北京市科技新星人才项目 1 项。

<b>获得奖励</b>
<p>教育部新世纪优秀人才</p> <p>北京市科技新星</p> <p>博士论文获得全国百篇优秀博士论文提名</p> <p>中国石油大学（北京）青年拔尖人才</p>
<b>出版专著</b>
<b>获得专利</b>
<p>[1] <b>范煜</b>, 肖寒, 程驰等. 多级孔道 SAPO-11 分子筛及烃类异构化催化剂的合成方法, 授权专利号: ZL 201010262205.9.</p> <p>[2] <b>范煜</b>, 鲍晓军, 郭琳等. 一种SAPO-11分子筛的制备方法, 授权专利号: ZL200910080107.0.</p> <p>[3] <b>范煜</b>, 鲍晓军, 王豪等. 实现深度脱硫和脱氮的含磷加氢催化剂的制备方法, 授权专利号: ZL200910082595.9.</p> <p>[4] <b>范煜</b>, 鲍晓军, 郭琳等. SAPO-11分子筛及SAPO-11分子筛基催化剂的制备方法, 授权专利号: ZL200910080106.6.</p> <p>[5] <b>范煜</b>, 鲍晓军, 郭琳等. 一种调控 SAPO-11 分子筛孔径的制备方法, 授权专利号: ZL 200910080108.5.</p> <p>[6] <b>范煜</b>, 鲍晓军, 石 冈等. 含有介孔分子筛的选择性加氢脱硫催化剂及其制备方法, 授权专利号: ZL200710177579.9.</p> <p>[7] <b>范煜</b>, 鲍晓军, 石冈等. 组合氧化铝基选择性加氢脱硫催化剂及其制备方法, 授权专利号: ZL200710177578.4.</p> <p>[8] <b>范煜</b>, 鲍晓军, 石 冈等. 多元助剂修饰的选择性加氢脱硫催化剂及其制备方法, 授权专利号: ZL200710177577.X.</p> <p>[9] 鲍晓军, <b>范煜</b>, 王豪等. 负载型单金属加氢催化剂的水热沉积制备方法, 授权专利号: ZL 200710098995.X.</p> <p>[10] 鲍晓军, <b>范煜</b>, 雷多等. ZSM-5/SAPO-11 复合沸石和催化裂化汽油加氢改质催</p>

化剂及其制备方法，授权专利号：ZL200610083284.0.

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其它