

照片

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主持及参加的科研项目:

(1) 2014.11-2015.11, 主持完成中海油能源发展股份有限公司委托项目“船用板式蒸馏海水淡化装置流程计算及测试开发”, 项目资金: 70 万元

(2) 2013.6-2014.6, 主持完成北京安迪天元科技有限公司委托项目“树脂精油萃取过程中残留溶剂的回收、提纯方案设计”。

(3) 2009.4-2012.3, 参与完成天津市自然科学基金“纳米孔道内受限流体传递性质的分子模拟研究”。

代表性学术论文:

1. Sumin Lu, Jing Song, Yongdan Li, Min Xing and Qing He, Improvement of CO₂ Absorption Using AL₂O₃ Nanofluids in a Stirred Thermostatic Reactor, The Canadian Journal of Chemical Engineering, 2015, 93, 935-941.
2. Sumin LU, Min Xing, Yan Sun, Xiangjun Dong, The Experimental and theoretical studies of CO₂ absorption enhancement by nano-particles, Chinese Journal of Chemical Engineering, 2013, 21(9): 983-990. SCI
3. Sumin LU, Yongdan Li, Jing Song, Min Xing, Theoretical and Experimental Research of CO₂ Absorption Enhancement by Carbon Nano-tube, Key Engineering Materials, 2014. EI.
4. Lu Sumin, Ma Youguang, Shen Shuhua and Zhu Chunying, The effect of

hydrophobic modification of zeolites on CO₂ absorption in different solvents, Brazilian Journal of Chemical Engineering, 2010, 27(2): 327-338.

5. S M Lu, Y. G. Ma, S. H. Shen and C. Y. Zhu, Experimental Research for SO₂ Absorption in Bubbling Stirring Reactor, Advanced Materials Research, 2010, 113-114: 339-342.