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个人简介

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男, 博士, 湖南湘乡人, 现任中南大学能源科学与工程学院, 特聘副教授。华南理工大学化学化工学院博士, 曾参与国基重点、国基面上、重点研发计划等国家级课题以及低温甲醇洗工艺包、醋酸精制标定等企业横向项目。一直从事煤化工过程节能减排等方面的研究。目前已发表论文十余篇, 其中JCR一区5篇, JCR二区2篇。

教育经历

[1] 2014.9-2017.10

华南理工大学 | 化学工程 | 博士学位 | 博士研究生毕业

[2] 2012.9-2014.6

大连理工大学 | 化学工程 | 硕士学位 | 硕士研究生毕业

[3] 2008.9-2012.6

大连理工大学 | 化学工艺 | 学士学位 | 大学本科毕业

工作经历

[1] 2018.1-至今

能源科学与工程学院 | 中南大学 特聘副教授

科研方向

[1] 能源动力系统仿真、技术经济评价

[2] 流程工艺过程开发

[3] 过程生命周期分析

[4] 分布式能源系统

[5] 化工过程模拟、节能

学术成果

Sheng Yang, Yu Qian, Siyu Yang. Development of a Full CO₂ Capture Process Based on the Rectisol Wash Technology. *Industrial & Engineering Chemistry Research*, 2016, 55(21): 6186-6193.

Sheng Yang, Jianneng Liang, Siyu Yang, Yu Qian. A novel cascade refrigeration process using waste heat and its application to Coal-to-SNG. *Energy*, 2016, 115: 486-497.

Sheng Yang, Yu Qian, Yongjian Liu, Yifan Wang, Siyu Yang. Modeling, Simulation, and techno-economic analysis of Lurgi Gasification and BGL Gasification for coal-to-SNG. *Chemistry Engineering design and Research*, 2017, 117: 355-368.

Sheng Yang, Siyu Yang Yifan Wang, Yu Qian. Low grade waste heat recovery with a novel cascade absorption heat transformer process. *Energy*, 2017, 130:461-472.

Sheng Yang, Yu Qian, Yifan Wang, Siyu Yang. BGL gasifier for coal-to-SNG: A comparative techno-economic analysis. *Energy*, 2017, 133: 158-170.

Sheng Yang, Zhiqian Liu, Yifan Wang, Zhiyong Tang, Qianqian Chen, Yuhan Sun. Performance analysis of solar energy integrated with natural-gas-to-methanol process. *Energy Conversion and management*, 2017, 150: 375-381.

Sheng Yang, Yu Qian, Yifan Wang, Siyu Yang. A novel cascade absorption heat transformer process using low grade waste heat and its application to Coal to synthetic natural gas. *Applied Energy*, 2017, 202:42-52.

Sheng Yang, Donghui Ma, Peizhe Cui. Liquid-liquid equilibrium data and correlation for the quaternary systems water + polyphenol (hydroquinone, catechol, and resorcinol) + methyl isobutyl ketone (MIBK) + methylbenzene. DOI: 10.1021/acs.jced.7b00598.

杨声, 梁嘉能, 杨思宇, 钱宇. 煤制气中甲烷化余热利用集成串级吸收式制冷新工艺. *化工学报*, 2016, 3(67) 779-787.

审稿经历:

Applied Energy

Energy Conversion and management

Enerav

Applied Thermal Engineering
Fuel
Energy fuel
International journal heat and mass transfer
Journal of Cleaner Production