

浙江大学化学工程与烯烃聚合课题组

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论文

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浙江大学化学工程与烯烃聚合课题组为化学工程国家重点实验室（浙江大学）和浙江大学联合化学反应工程研究所的重要组成部分。

联合化学反应工程研究所由[浙江大学](#)和中国石化集团公司联合成立于1983年，前身是1971年成立的浙江大学化工系化学反应工程教研室。

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1. Kezeng Dong, Qing Zhang, Zhengliang Huang, Zuwei Liao, Jingdai Wang*, Yongrong Yang, Experimental investigation of electrostatic effect on bubble behaviors in gas-solid fluidized bed, *AIChE Journal*, 2015, 61(4): 1160-1171.
 2. Musango Lungu, Jingdai Wang*, Yongrong Yang, Numerical simulations of flow structure and heat transfer in a central jet bubbling fluidized bed, *Powder Technol.*, 2015, 269: 139-152.
 3. Jingyuan Sun, Jingdai Wang*, Yongrong Yang, Zichuan Zhu, Effects of external electric field on bubble and charged particle hydrodynamics in a gas-solid fluidized bed, *Advanced Powder Technology*, 2015, 26: 563-575.
 4. Junyi Lou, Zuwei Liao*, BinBo Jiang, Jingdai Wang, Yongrong Yang, A thermodynamic irreversibility based design method for multi-contaminant hydrogen networks, *Int. J. Hydrogen Energy*, 2015, 40, (1):435-443.
 5. Li Zhou, Zuwei Liao*, Jingdai Wang, Binbo Jiang, Yongrong Yang, Wenli Du, Energy configuration and operation optimization of refinery fuel gas networks, *Applied Energy*, 2015, 139: 365-375.
 6. Li Zhou, Zuwei Liao*, Jingdai Wang, Binbo Jiang, Yongrong Yang, Huanjun Yu, Simultaneous optimization of heat-integrated water allocation networks using the mathematical model with equilibrium constraints strategy, *Ind. Eng. Chem. Res.*, 2015, 54: 3355-3366.
 7. Jian Ye, Binbo Jiang*, Yichao Qin, Wei Zhang, Yuming Chen, Jingdai Wang, Yongrong Yang, Exploring the effects of phenolic compounds on bis(imino)pyridine iron-catalyzed ethylene oligomerization, *RSC Advances*, 2015, 5(116): 95981-95993.
 8. Wang Jingdai, Shi Qiang, Huang Zhenliang*, Gu Yubin, ?Lungu Musango, ?Yongrong Yang, Experimental Investigation of Particle Size Effect on Agglomeration Behaviors in Gas-Solid Fluidized Beds, ?Ind. Eng. Chem. Res., 2015, 54(48): 12177-12186.
 9. Yefeng Zhou, Qiang Shi, Zhengliang Huang, Jingdai Wang*, Yongrong Yang, Effects of liquid action mechanisms on hydrodynamics in liquid-containing gas - solid fluidized bed reactor, ?Chemical Engineering Journal, 2016, 285: 121-127.
 10. Qing Zhang, Yefeng Zhou, Jingdai Wang*, Binbo Jiang, Yongrong Yang, Siegfried Staph, Carlos Matthea, Qingxia Gong, Particle motion in two- and three-phase fluidized bed reactors determined by pulsed field gradient nuclear magnetic resonance, *Chemical Engineering & Technology*, 2015, 38(7): 1269-1276.
 11. Xiaohui Tian, Guotai Hong, BinBo Jiang*, Feipeng Lu, Zuwei Liao, Jingdai Wang, Yongrong Yang, Efficient Au/O/C catalyst synthesized by a new method for acetylene hydrochlorination, *Rsc Advances*, 2015, 5(57): 46366-46371.
1. 秦一超, 叶健, 蒋斌波, 王靖岱, 阳永荣, 劳氧基锆系催化剂催化乙烯齐聚与Friedel-Crafts烷基化的串联反应, *高等学校化学学报*, 2015, 36(9): 1825-1831.
 2. 蒋斌波, 袁世岭, 陈楠, 王海波, 王靖岱, 黄正梁*, VPO催化氧化正丁烷反应动力学, *化学进展*, 2015, 27(11): 1679-1688.
 3. 蒋斌波, 陆飞鹏, 庄岩, 廖祖维, 王靖岱, 阳永荣, 黄正梁*, ZnO/A1203催化对苯二甲酸脱羧反应性能及失活研究, *石油学报(石油加工)*, 2015, 31 (3) : 603-610.
 4. 顾玉彬, 杨勇, 黄正梁*, 蒋斌波, 包崇龙, 王靖岱, 阳永荣, 聚合填充法制备铁/二氧化硅/聚乙烯复合颗粒, *材料研究学报*, 2015, 29(2): 88-94.
 5. 王宇良, 郑海俊, 周业丰, 黄正梁*, 王靖岱, 阳永荣, 多股进料搅拌釜停留时间分布的信息熵, *浙江大学学报(工学版)*, 2015, 49(3): 590-597.