

MnO₂ 的晶相结构和表面性质对低温 NH₃-SCR 反应的影响

戴 韵¹ 李俊华^{1,*} 彭 悦¹ 唐幸福^{2,*}

(¹清华大学环境学院, 环境模拟与污染控制国家重点联合实验室, 北京 100084; ²复旦大学环境科学与工程系, 上海 200433)

Effects of MnO₂ Crystal Structure and Surface Property on the NH₃-SCR Reaction at Low Temperature

DAI Yun¹ LI Jun-Hua^{1,*} PENG Yue¹ TANG Xing-Fu^{2,*}

(¹State Key Joint Laboratory of Environment Simulation and Pollution Control, School of Environment, Tsinghua University, Beijing 100084, P. R. China; ²Department of Environmental Science and Engineering, Fudan University, Shanghai 200433, P. R. China)

*Corresponding authors. LI Jun-Hua, Email: lijunhua@tsinghua.edu.cn; Tel: +86-10-62771093. TANG Xing-Fu, Email: tangxf@fudan.edu.cn; Tel: +86-21-55664880.

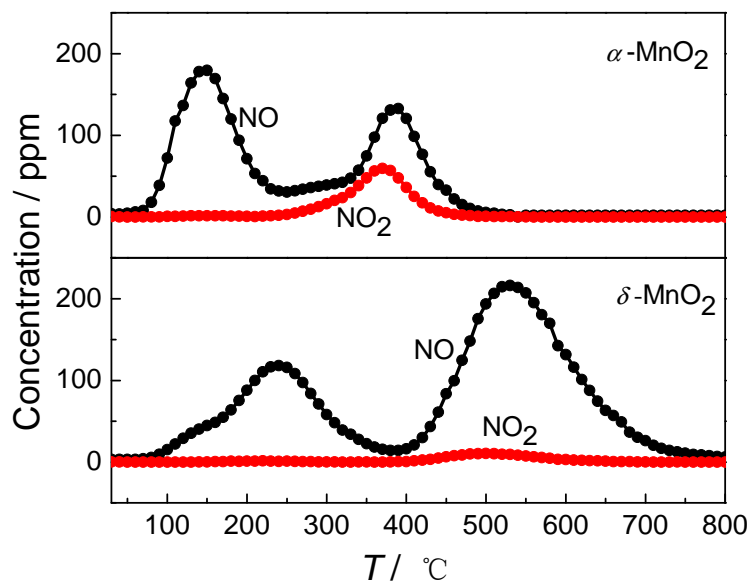


Fig.S1 NO-TPD profiles of α - and δ -MnO₂ nanorods

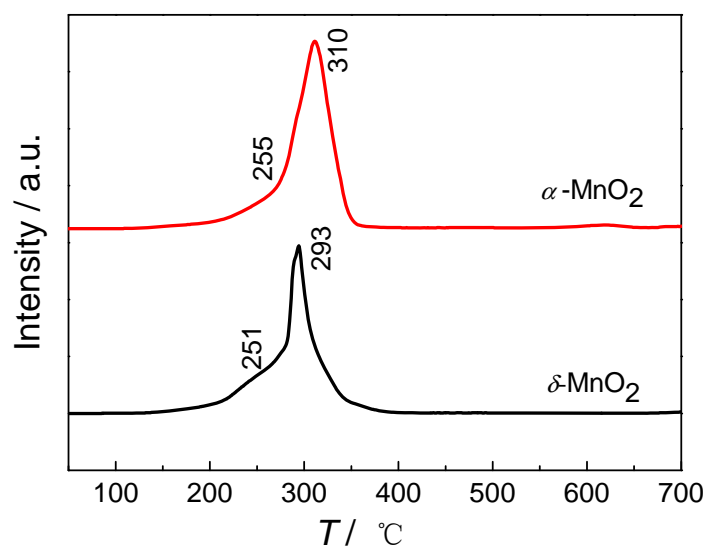


Fig.S2 H₂-TPR results of α - and δ -MnO₂ nanorods