Supporting Information

Ca-poisoning effect on V_2O_5-WO_3/TiO_2 and V_2O_5-WO_3-CeO_2/TiO_2 catalysts with different vanadium loading

Yangyang Guo[1]*, Xiaofei Xu[2], Hong Gao[2],Yang Zheng[1],Lei Luo[1], Tingyu Zhu[1,3]*

[1] Key Laboratory of Green Process and Engineering, National Engineering Laboratory for Hydrometallurgical Cleaner Production Technology, Institute of Process Engineering, Innovation Academy for Green Manufacture, Chinese Academy of Sciences, Beijing 100190, China

[2] College of Energy and Power Engineering, Inner Mongolia University of Technology, Huhhot, 010051, China

[3] Center for Excellence in Regional Atmospheric Environment, Institute of Urban Environment, Chinese Academy of Sciences, Xiamen 361021, China

* Correspondence: yyguo@ipe.ac.cn (Y.G.); tyzhu@ipe.ac.cn (T.Z.); Tel.: +86-10-8254-4822 (Y.G.); Tel.: +86-10-8254-4821 (T.Z.)

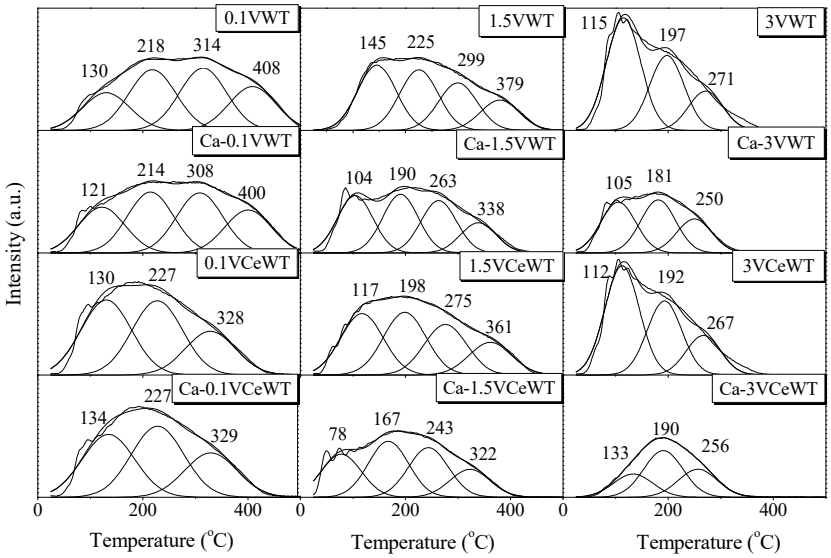


Figure S1.The peak fit of NH_3-TPD profiles of the different catalysts

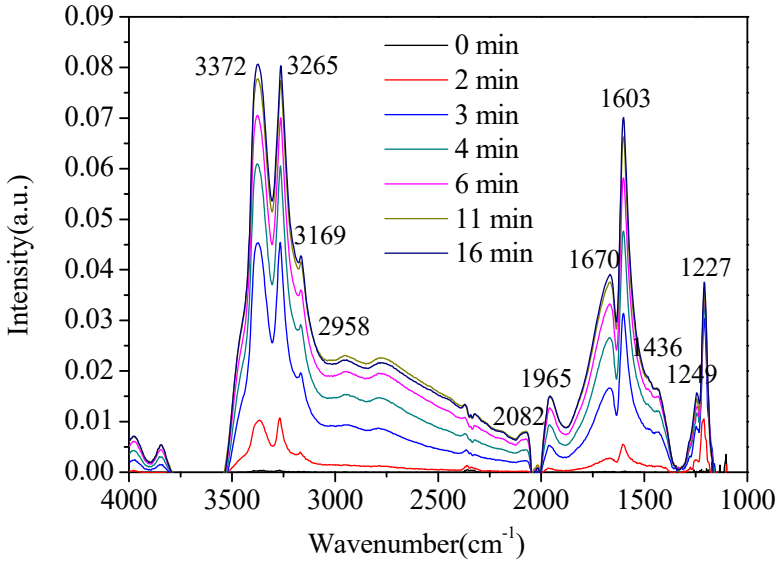


Figure S2. NH_3+O_2 adsorption *in situ* DRIFTS of Ca-1.5VWT catalyst

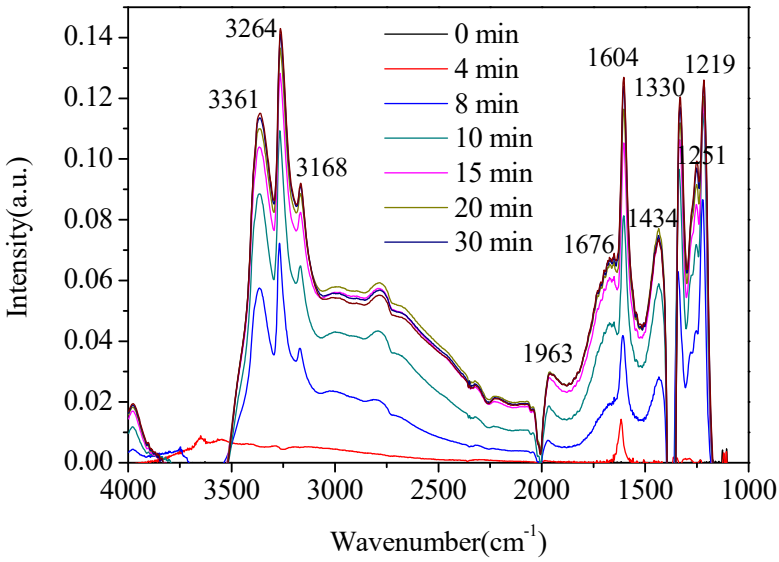


Figure S3. NH_3+O_2 adsorption *in situ* DRIFTS of Ca-0.1VWT catalyst