

# **Supporting Information**

## **Alkali Metal Deactivation on the Low Temperature Selective Catalytic Reduction of $\text{NO}_x$ with $\text{NH}_3$ over $\text{MnO}_x\text{-CeO}_2$ : A Mechanism Study**

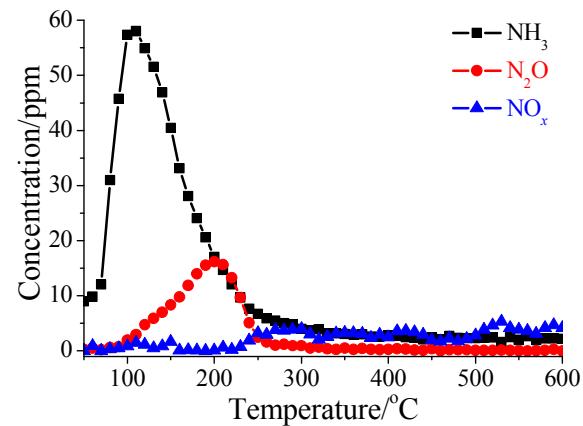
Shangchao Xiong, Jingxia Weng, Yong Liao, Bo Li, Sijie Zou, Yang Gen, Xin Xiao, Nan Huang,

Shijian Yang\*

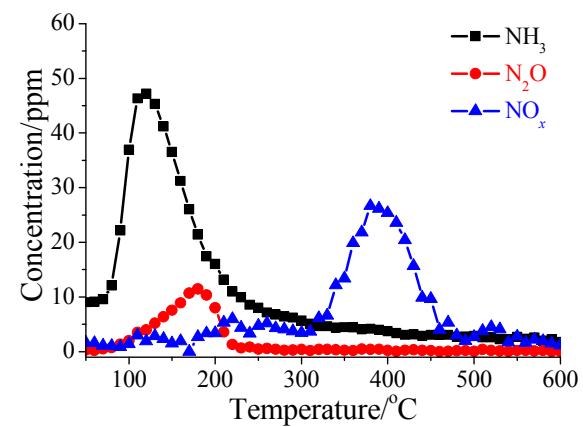
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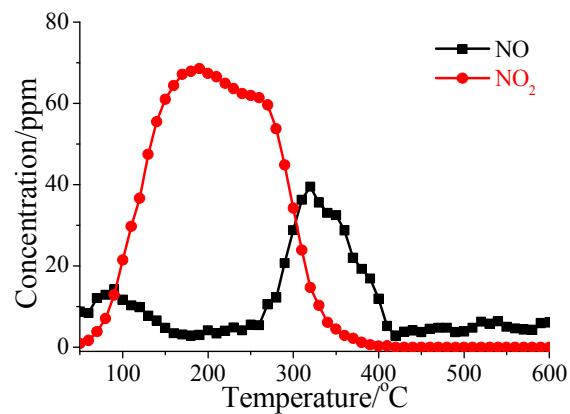


a

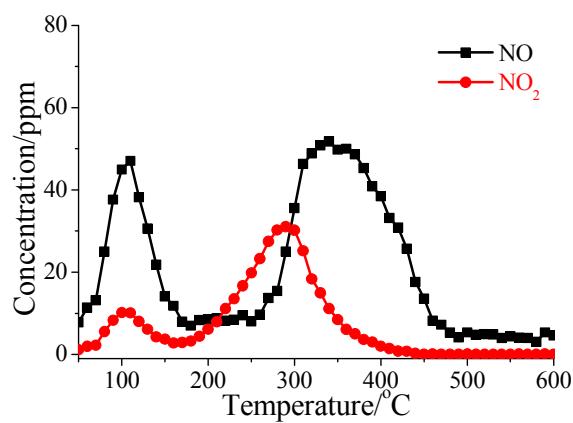


b

Figure S1  $\text{NH}_3$ -TPD profiles of: (a),  $\text{MnO}_x\text{-CeO}_2$ ; (b),  $\text{K-MnO}_x\text{-CeO}_2$



a



b

Figure S2 NO-TPD profiles of: (a),  $\text{MnO}_x\text{-CeO}_2$ ; (b),  $\text{K-MnO}_x\text{-CeO}_2$