

Supplementary Materials

Preparation of quasi-MIL-101(Cr) loaded ceria catalysts for the selective catalytic reduction of NO_x at low temperature

Min Lu, Hai-li Hou, Chuan-ying Wei, Xiao-Hui Guan and Guang-Sheng Wang

^aSchool of Chemical Engineering, Northeast Electric Power University, Jilin 132000, PR China

^bKey Laboratory of Bio-Inspired Smart Interfacial Science and Technology of Ministry of Education, School of Chemistry and Environment, Beihang University, Beijing 100191, PR China wanggsh@buaa.edu.cn

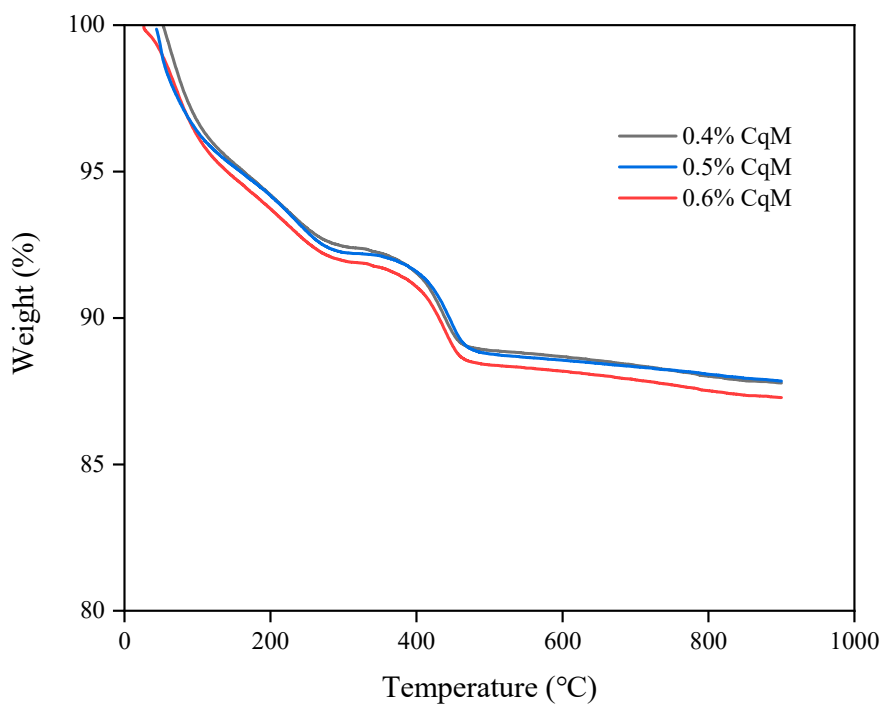


Fig. S1 TGA under air (5 °C/min heated rate) of xCeO₂/quasi-MIL-101

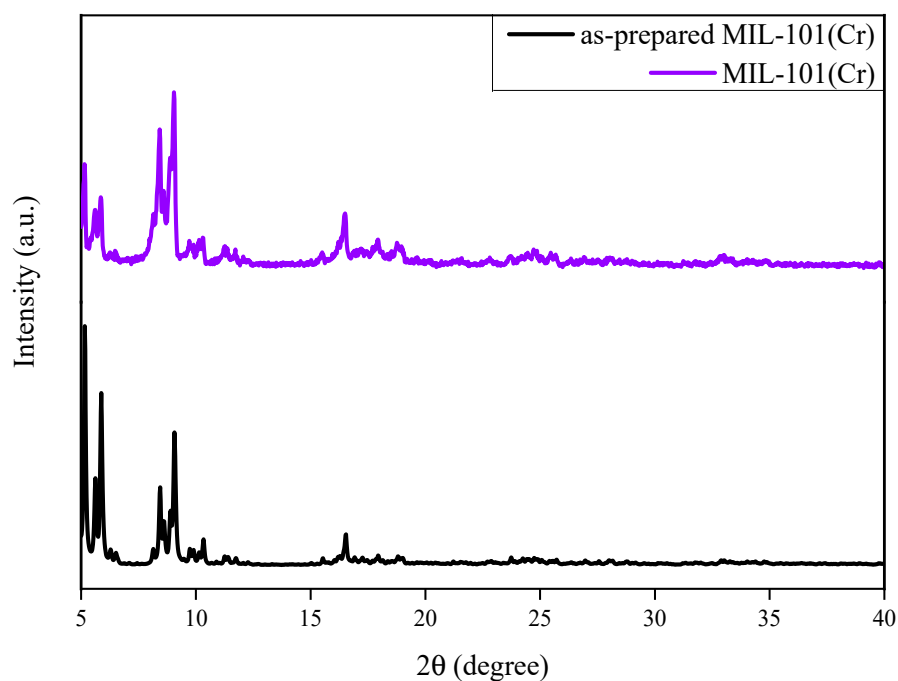


Fig. S2 The diffraction peak of MIL-101(Cr) and MIL-101(Cr) samples of the published literature

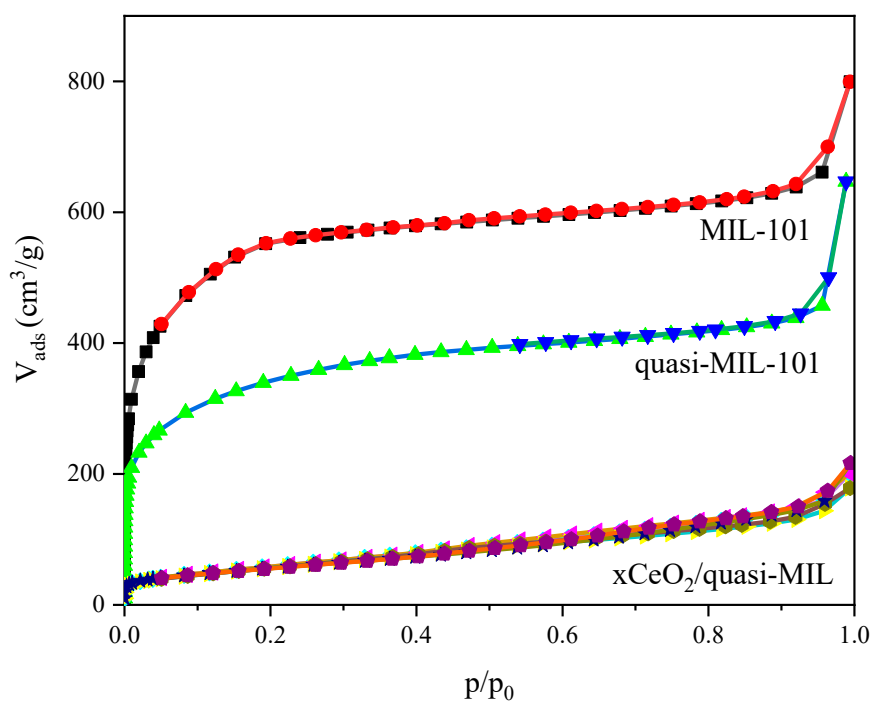


Fig. S3 Nitrogen adsorption-desorption isotherms of MIL-101(Cr), quasi-MIL-101(Cr) and $x\text{CeO}_2/\text{quasi-MIL}$ samples

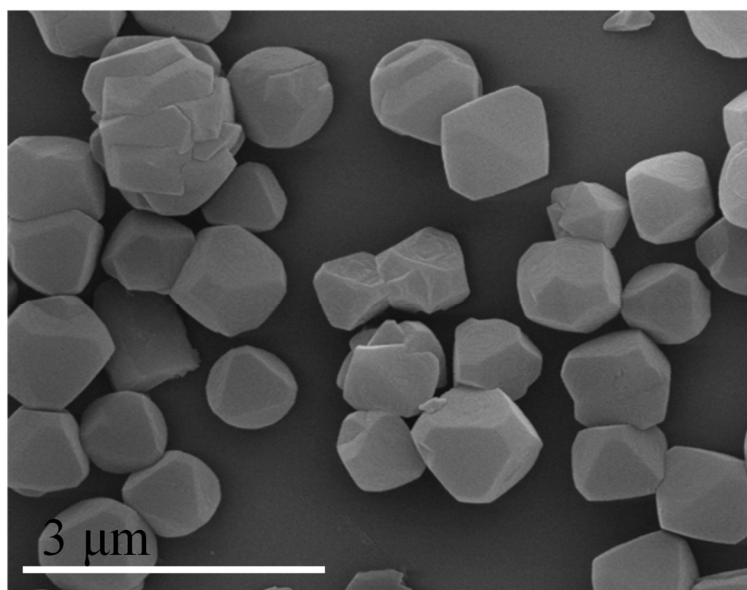


Fig. S4 The SEM image of the MIL-101(Cr)

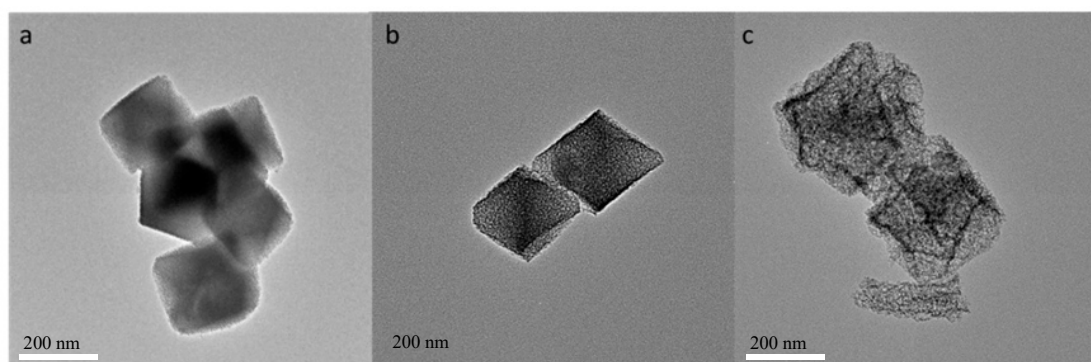


Fig. S5 (a) TEM image of 0.4% CeO₂/quasi-MIL-101 (b) TEM image of 0.5% CeO₂/quasi-MIL-101 (c) TEM image of 0.6% CeO₂/quasi-MIL-101