

Supporting Information

**Modified carbon nanotubes by KMnO₄ supported iron Fischer-Tropsch
catalyst for direct conversion of syngas to lower olefins**

Di Wang,^a Xiangping Zhou,^a Jian Ji,^a Xuezhi Duan,^{* a} Gang Qian,^a Xinggui Zhou,^a De
Chen^b and Weikang Yuan^a

^a *State Key Laboratory of Chemical Engineering, East China University of Science and
Technology, Shanghai, 200237, P. R. China*

^b *Department of Chemical Engineering, Norwegian University of Science and
Technology, Trondheim 7491, Norway*

* Corresponding author. Tel: +86-21-64250937; Fax: +86-21-64253528

E-mail address: xzduan@ecust.edu.cn

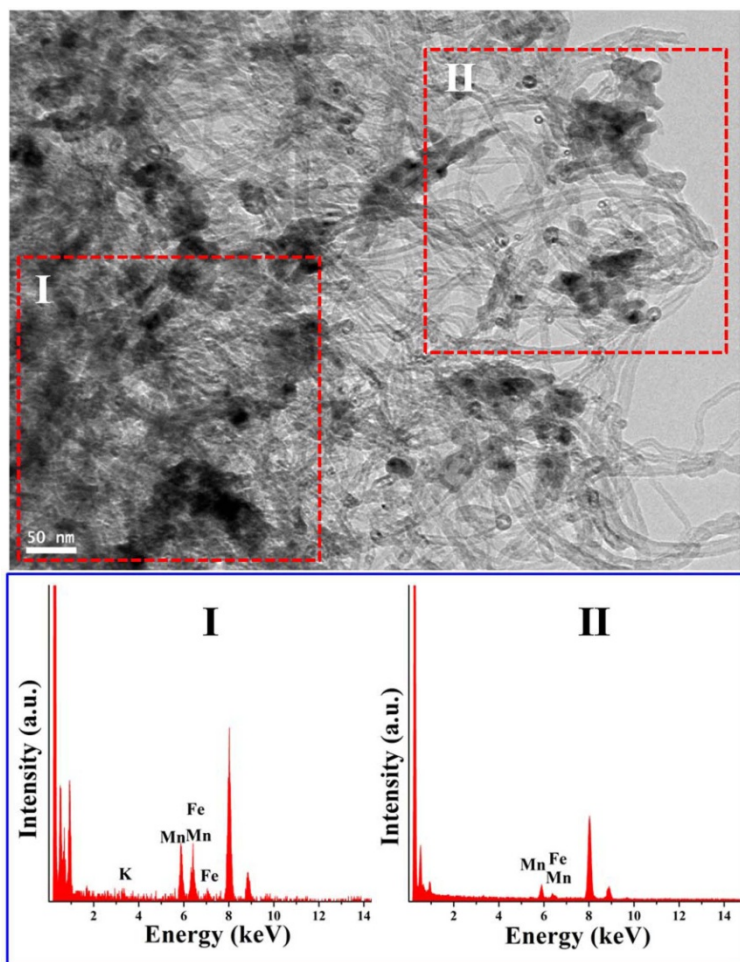


Fig. S1 TEM image and EDS spectra of different areas of FeMnK/CNTs catalyst.

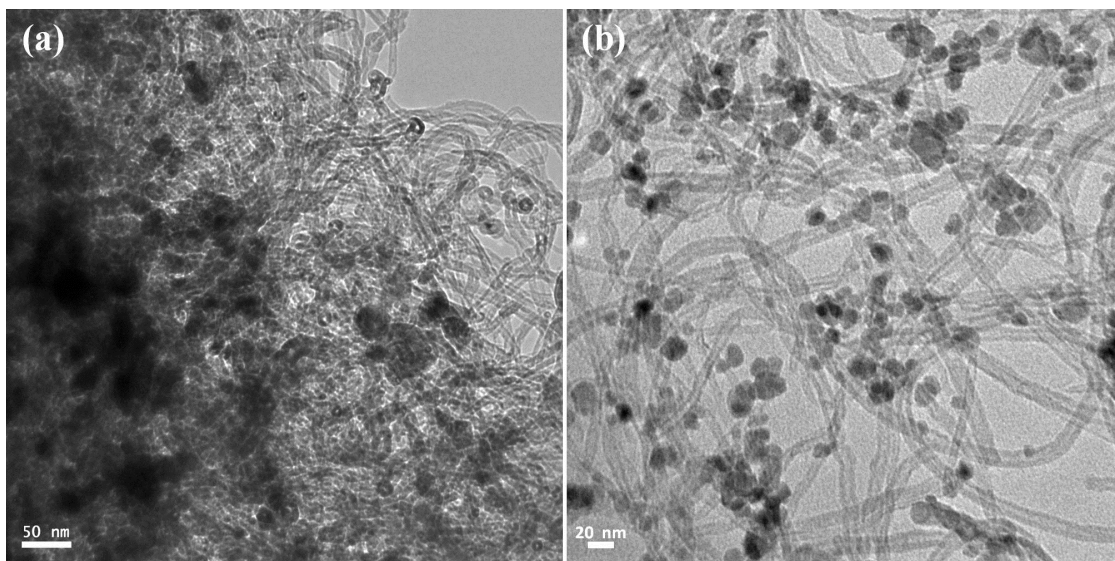


Fig. S2 Representative TEM images of used FeMnK/CNTs (a) and Fe/MnK-CNTs(b) catalysts.