Electronic Supplementary Information
Fabrication of MnO_2/PPS-SDBS catalytic filter material for low-temperature selective catalytic reduction of NO with NH_3

Xie Wang [a], YanbingZhang [b,*], Hao Guo [b], Dahai Chen [b], Huan Wang [a], Caihong Jiang [a], Junwei Wang [a,*], Yu Zhang [a], Xulong Jiang [a]

[a] AnHui Province Key Laboratory of Optoelectronic and Magnetism Functional Materials, School of Chemistry and Chemical Engineering, Anqing Normal University, Anqing 246011, China

[b] College of Materials and Chemical Engineering, Henan University of Urban Construction, Pingdingshan 467000, China

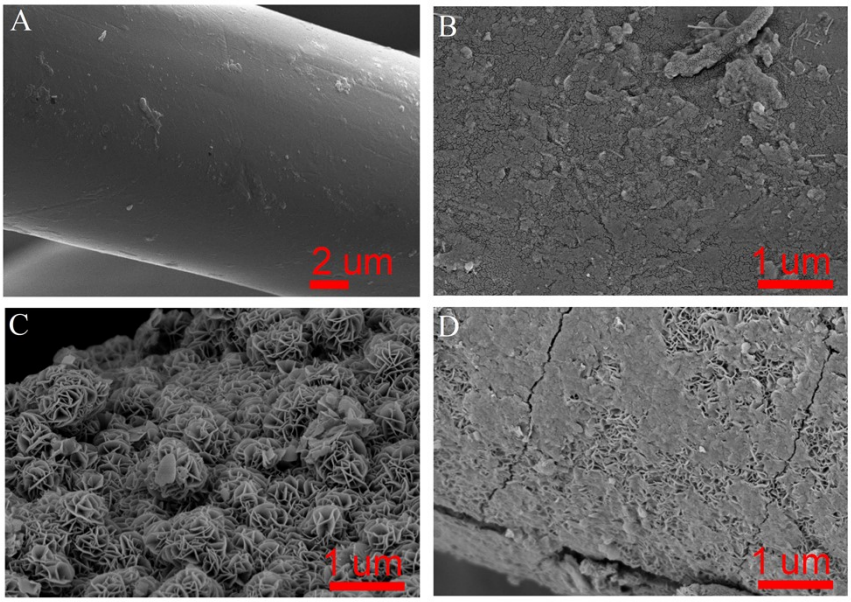

Figure S1 FESEM images of PPS (A) and the 1.0 MnO_2/PPS-SDBS catalytic filter materials prepared with different reaction temperatures and the SDBS concentration is 0.25 g/L. 70°C (B), 80°C (C), and 90°C (D).

* Corresponding authors: zyb481428@163.com (Y. Zhang), wangjunweilotus@163.com(J. Wang).

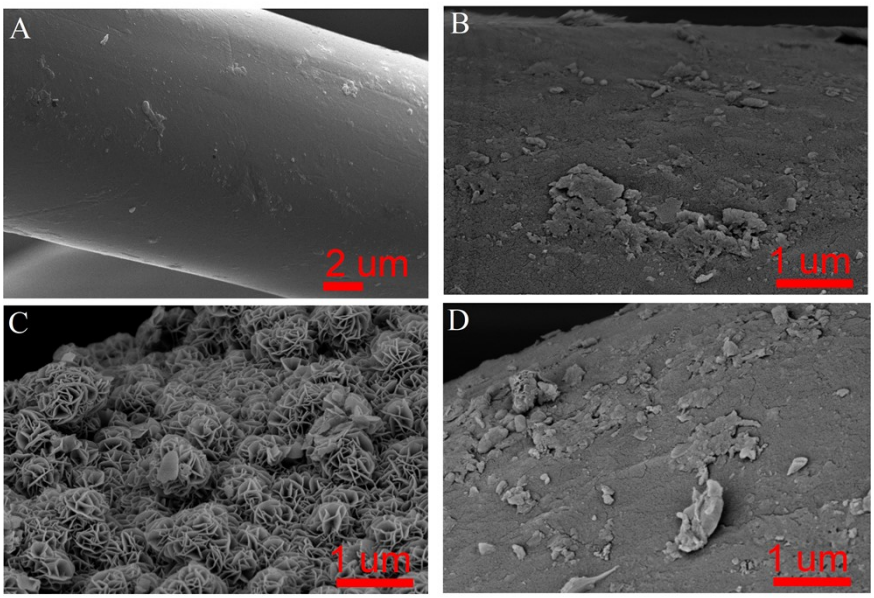

Figure S2 FESEM images of PPS (A) and the 1.0 MnO_2/PPS-SDBS catalytic filter materials prepared with different SDBS concentrations and reaction temperature is 80 °C.

0.20 g/L SDBS (B), 0.25 g/L SDBS (C), and 0.30 g/L SDBS (D).