

Supplementary Information

Bimetallic Nickel / Manganese Phosphates-Carbon Nanofibers Electrocatalyst for the Oxidation of Formaldehyde in Alkaline Medium

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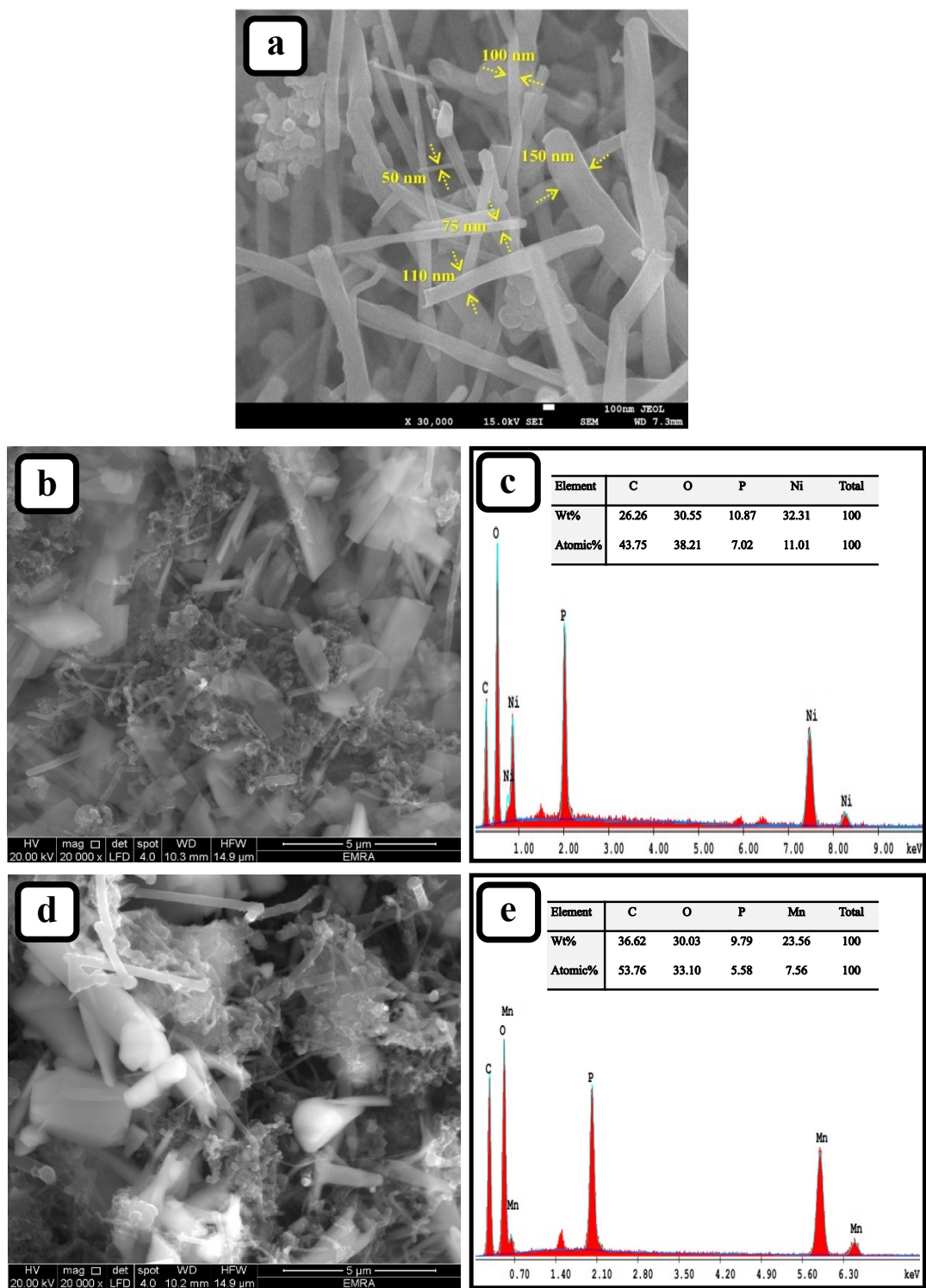


Fig.S1. FE-SEM image of (a) CNFs, (b) NiPh/CNFs, (d) MnPh/CNFs, and the corresponding EDX pattern of NiPh/CNFs (c), MnPh/CNFs (e).

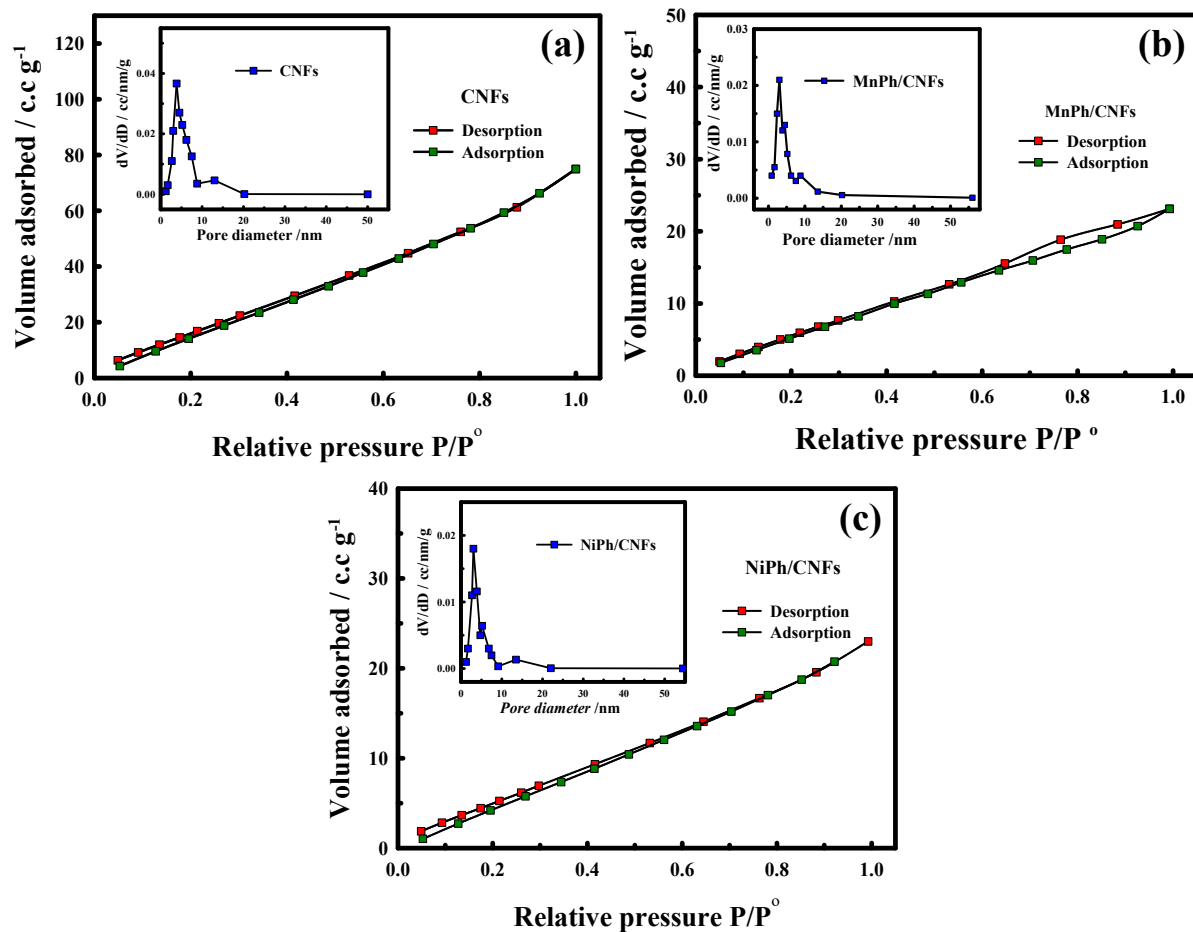


Fig.S2. Nitrogen (N_2) adsorption/desorption isotherm curve of (a) CNFs, (b) MnPh/CNFs (c) NiPh/CNFs. BJH curves of materials are indicated in a,b, c insets.

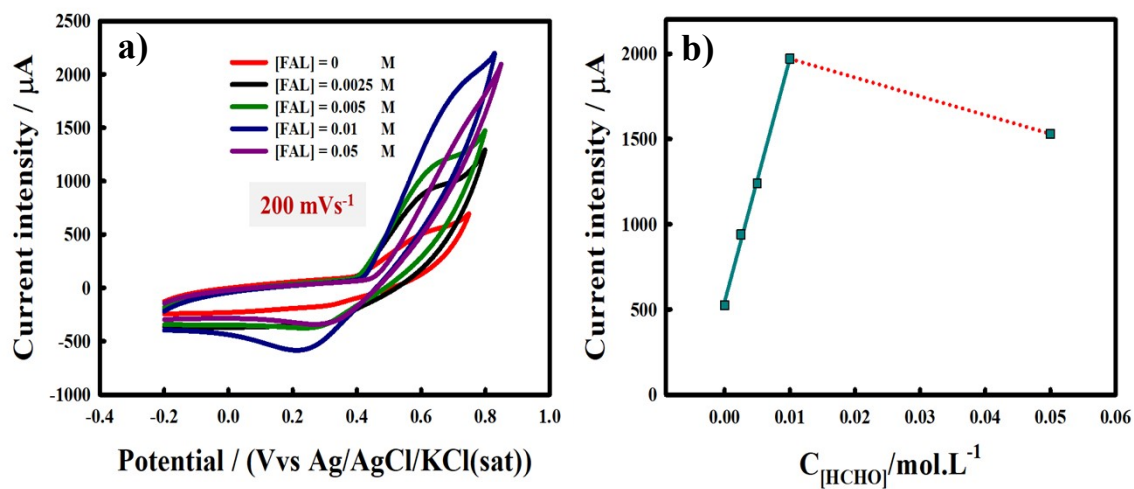


Figure. S3. (a) Cyclic voltammograms for Ni/MnPh-CNFs in 0.25M KOH containing different concentrations of formaldehyde (0M, 0.0025M, 0.005M, 0.01M, 0.05M), at scan rate of 200 mVs^{-1} . (b) The plot of I_{pa} vs different concentration of formaldehyde.