

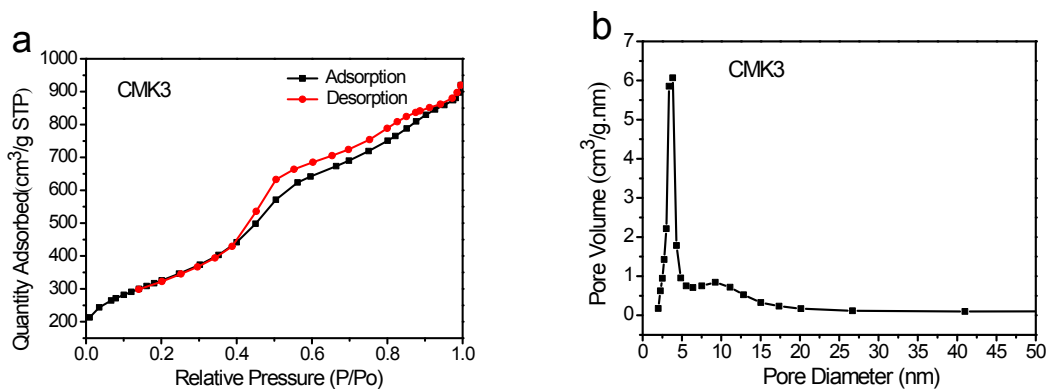
## Supplementary Information

### In Situ Formation of N- and Fe-doped Carbon Nanotube/ Mesoporous Carbon Nanocomposite with Excellent Activity for Oxygen Reduction in Acidic Media

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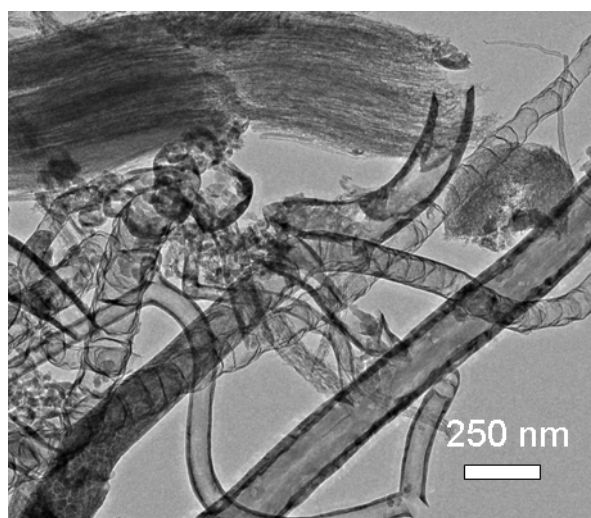
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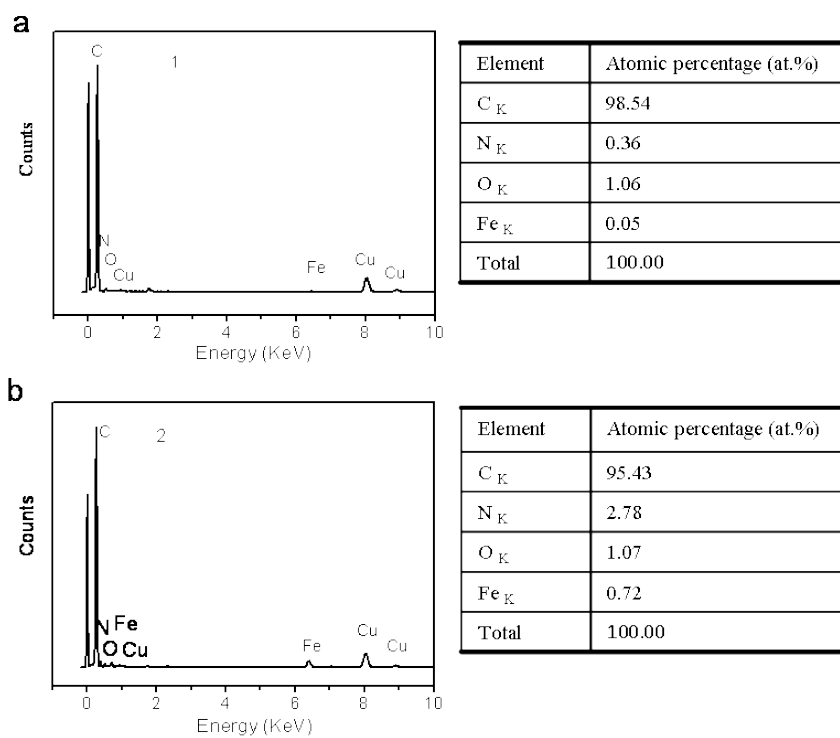


**Fig. S1.** Nitrogen adsorption-desorption isotherm (a) and pore size distribution (b) of the CMK3.

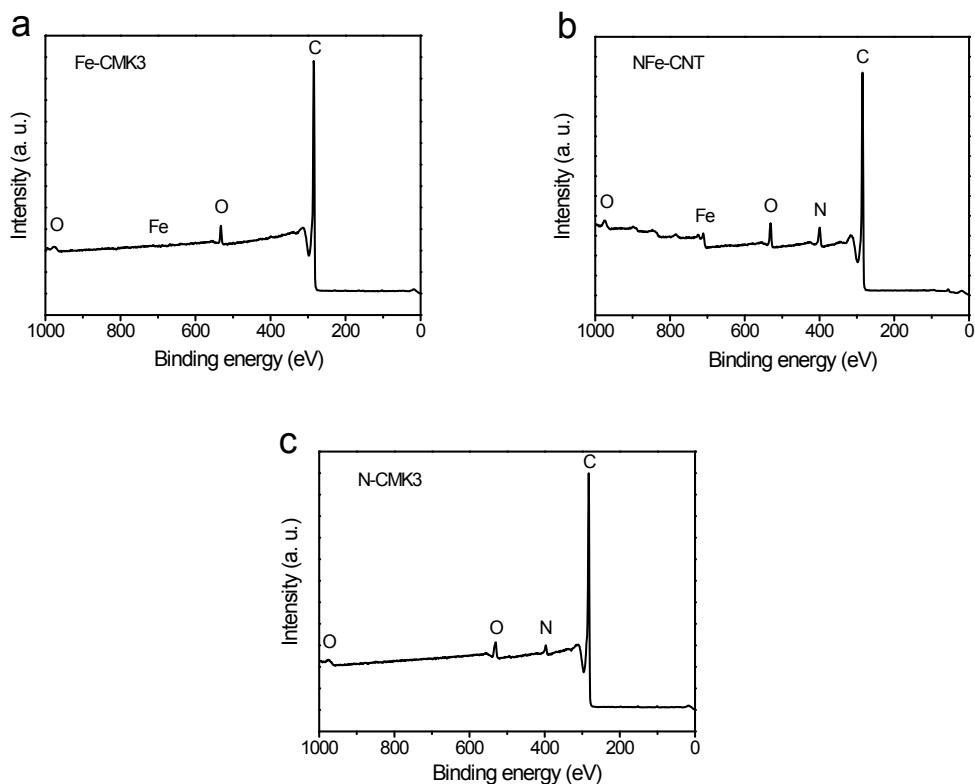
The BET surface area and total pore volume of the CMK3 was 1147.8 m<sup>2</sup> g<sup>-1</sup> and 1.35 cm<sup>3</sup> g<sup>-1</sup>, respectively. The pore size distribution becomes intense around 3.6 nm.



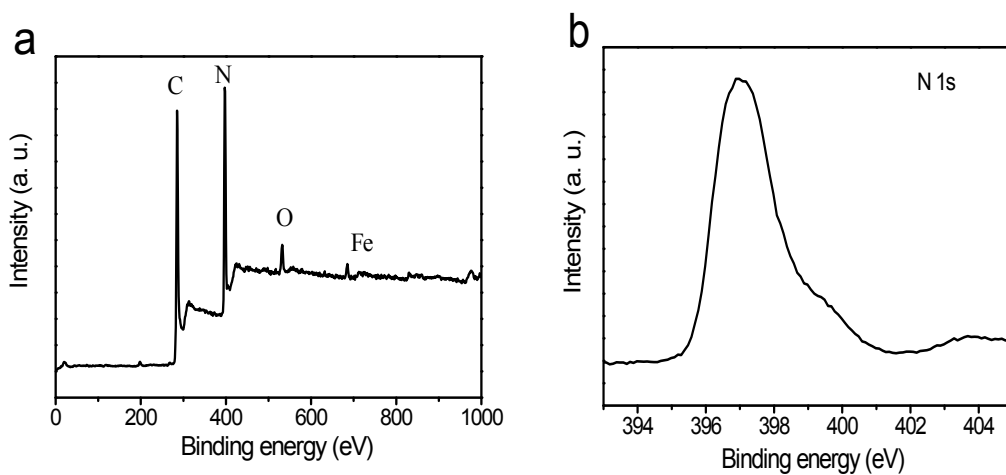
**Fig. S2.** TEM image of the typical NFe-CNT/CMK3



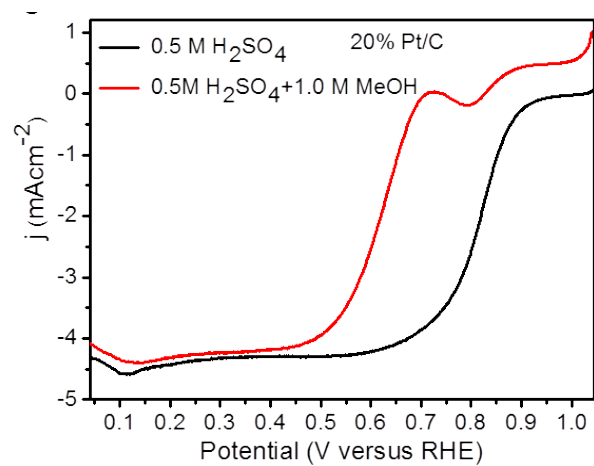
**Fig. S3.** Elemental analysis data in the square region marked with 1 (a) and 2 (b) in the Fig. 1b



**Fig. S4.** XPS full-scale XPS spectra of Fe-CMK3 (a), NFe-CNT (b) and N-CMK3 (c)



**Fig. S5.** XPS full-scale spectrum (a) and high-resolution N1s XPS spectrum (b) of the mixture product



**Fig. S6.** RDE voltammograms in  $\text{O}_2$ -saturated 0.5 M  $\text{H}_2\text{SO}_4$  at room temperature (rotation speed 1600 rpm) for the 20 % Pt/C with or without methanol