

## Supporting information

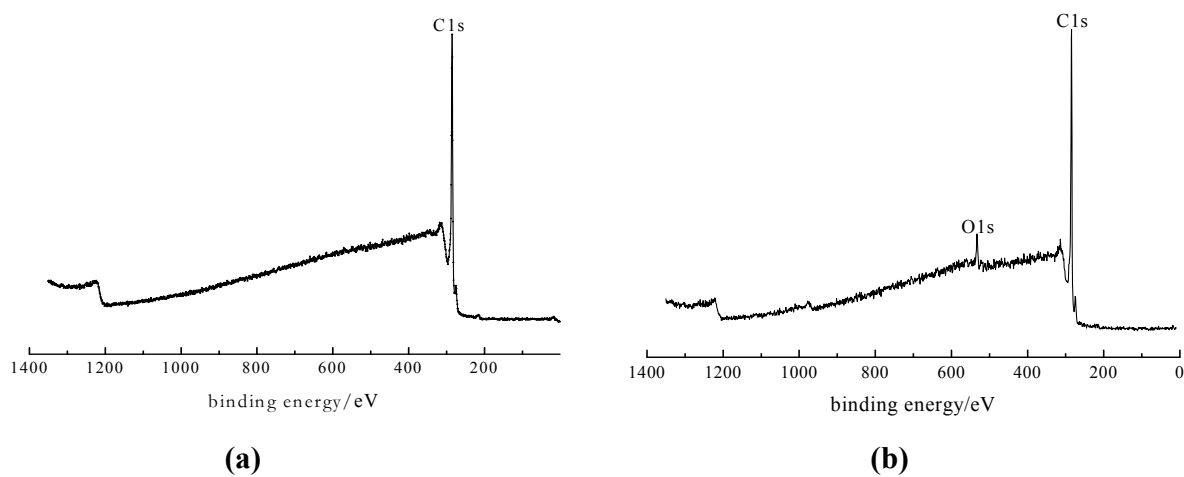


Fig.1 XPS spectra of the MWCNTs: (a) HCl-treated MWCNTs, (b) MWCNTs-1

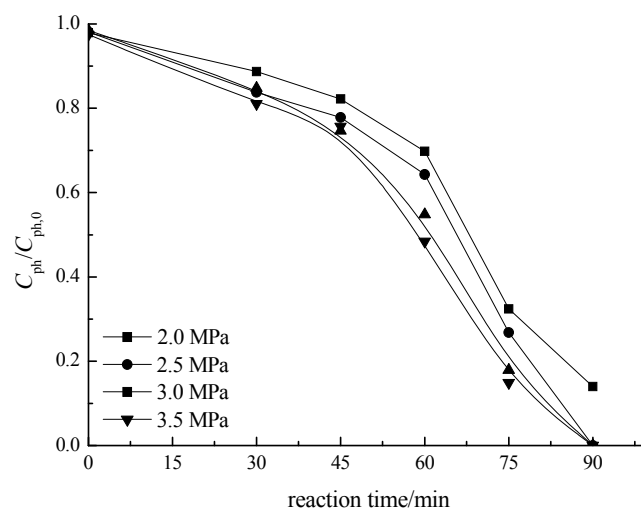


Fig.2 Effect of total pressure on the phenol removal in the CWAO over MWCNTs-3 ( $T=155^{\circ}\text{C}$ ,  $[\text{phenol}]_0=1000 \text{ mg}\cdot\text{L}^{-1}$ , Catalyst loading= $0.4 \text{ g}\cdot\text{L}^{-1}$ )