

Figure Caption

Fig. S1. (a) TEM images of o-MWCNTs and (b) SEM images of CNTs-LDO-0.62.

Fig. S2. EDS mapping of (a) and (b) CNTs-LDO-1.23, (c) LDO, (D) CNTs-LDH-1.23 and (e) LDH on glass.

Fig. S3. XRD patterns of (a) CNTs-LDH and (b) CNTs-LDO..

Fig. S4. Raman spectra of (a) CNTs-LDH and (b) CNTs-LDO.

Fig. S5. TOC removal on different catalytic. Reaction conditions: $[BPA]_0 = 10 \text{ mg}\cdot\text{L}^{-1}$, catalyst dosage = $0.02 \text{ g}\cdot\text{L}^{-1}$, PMS dosage = $0.15 \text{ g}\cdot\text{L}^{-1}$ and $T = 30 \text{ }^\circ\text{C}$.

Table Title

Table S1 The adsorption of Co and Mn during the preparation of samples

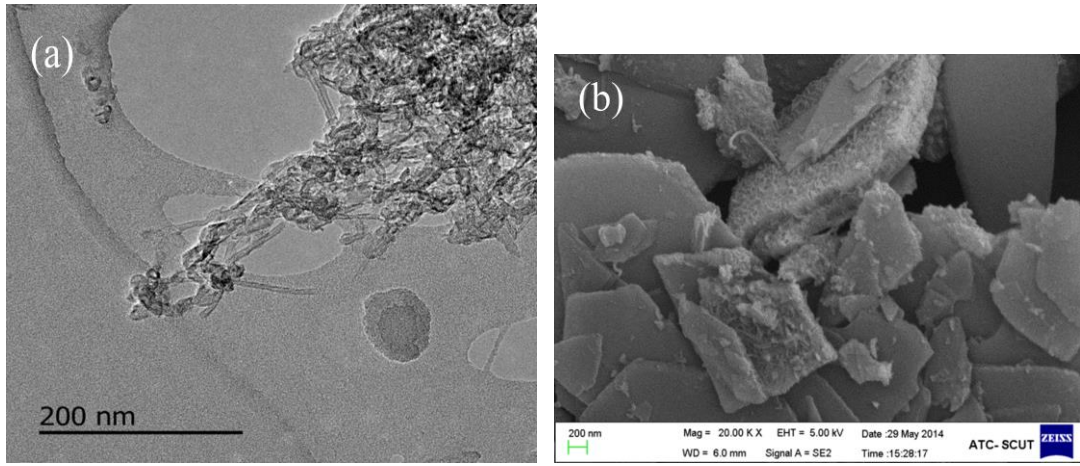


Fig. S1 (a)TEM images of o-MWCNTs and (b) SEM images of CNTs-LDO-0.62.

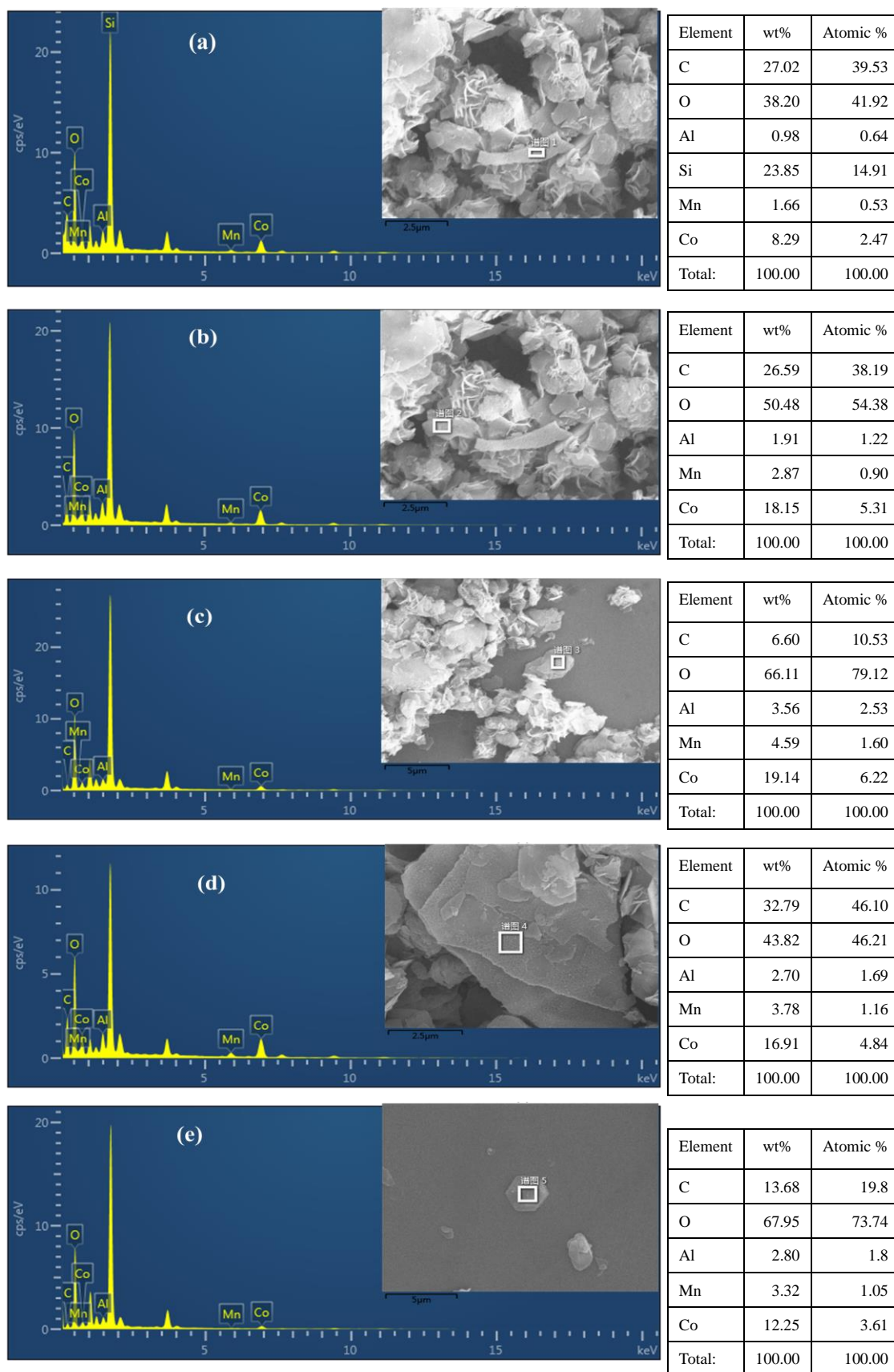


Fig. S2 EDS mapping of (a) and (b) CNTs-LDO-1.23, (c) LDO, (d) CNTs-LDH-1.23 and (e) LDH on glass.

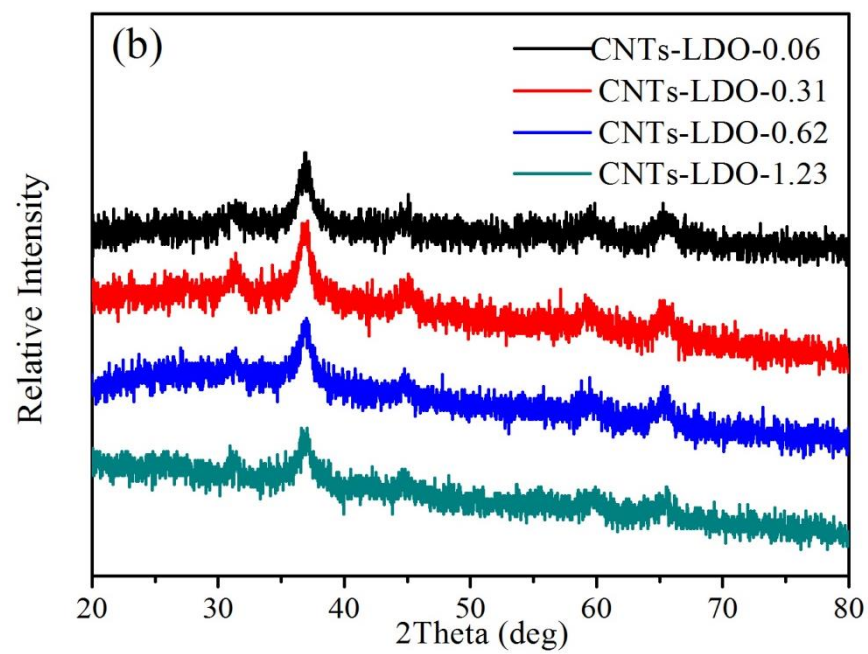
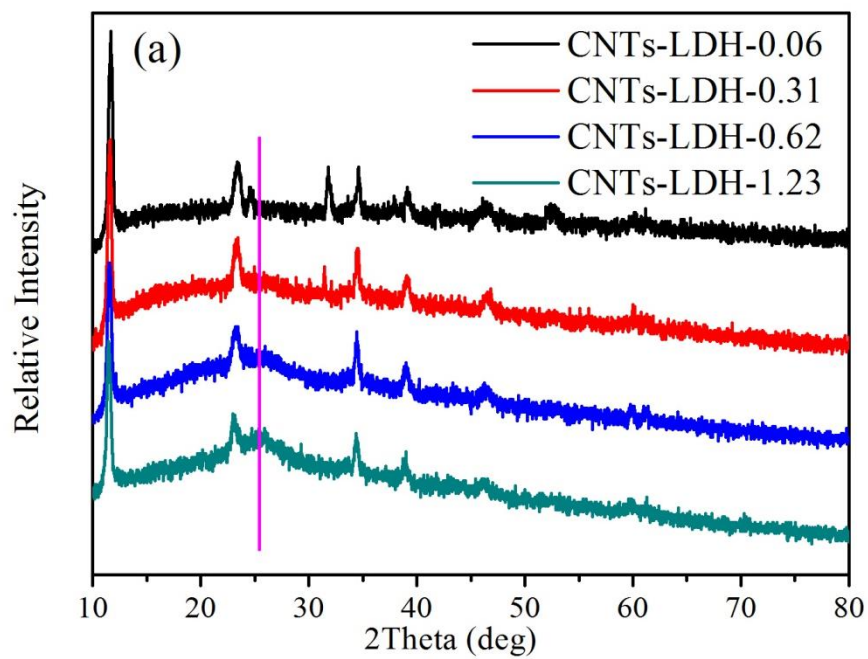


Fig. S3 XRD patterns of (a) CNTs-LDH and (b) CNTs-LDO.

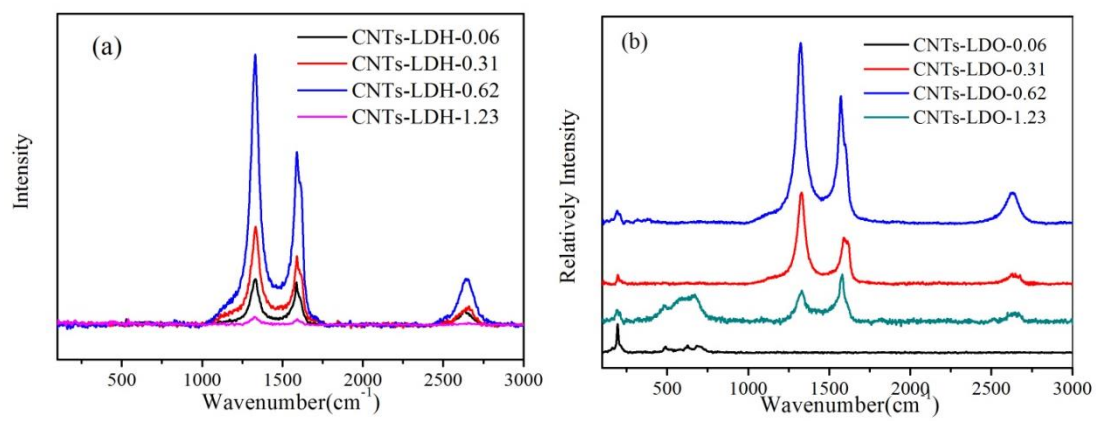


Fig.S4 Raman spectra of (a) CNTs-LDH and (b) CNTs-LDO.

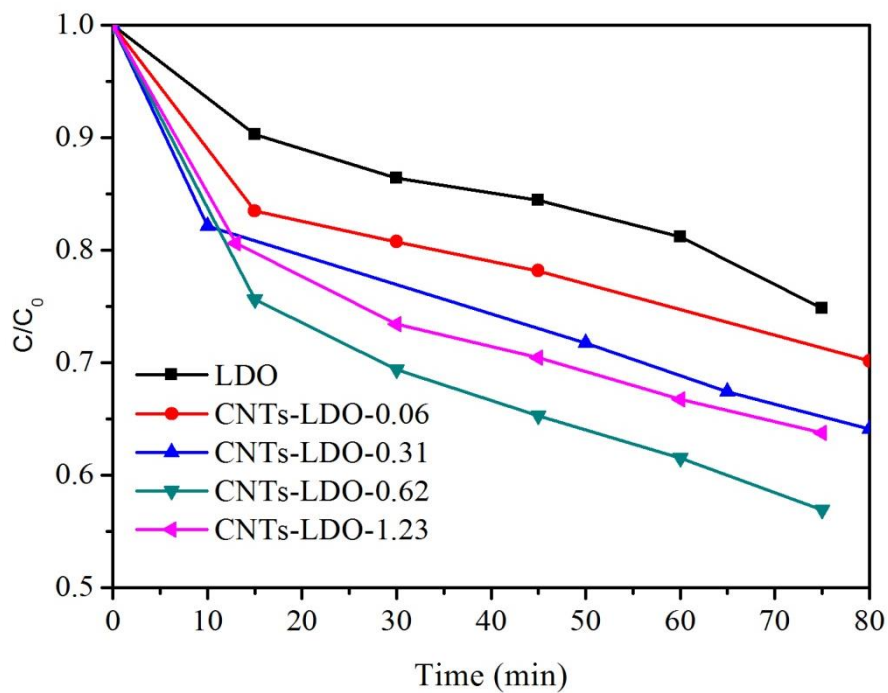


Fig. S5 TOC removal on different catalytic. Reaction conditions: $[BPA]_0 = 10 \text{ mg}\cdot\text{L}^{-1}$, catalyst dosage = $0.02 \text{ g}\cdot\text{L}^{-1}$, PMS dosage = $0.15 \text{ g}\cdot\text{L}^{-1}$ and $T = 30 \text{ }^\circ\text{C}$.

Table S1 The adsorption of Co and Mn during the preparation of samples

Samples	$C_{Co}(mg \cdot L^{-1})$		$C_{Mn}(mg \cdot L^{-1})$	
	Initial concentration	After adsorption	Initial concentration	After adsorption
CNTs-LDH-0.06	424.5 ± 6.2	404.0 ± 5.5	102.5 ± 0.7	97.6 ± 4.5
CNTs-LDH-0.31	87.0 ± 2.8	78.8 ± 3.5	20.75 ± 1.5	18.5 ± 0.6
CNTs-LDH-0.62	45.5 ± 1.5	39.7 ± 0.7	10.6 ± 0.1	8.9 ± 0.6
CNTs-LDH-1.23	23.2 ± 0.4	20.1 ± 0.5	5.17 ± 0.2	4.05 ± 0.04