

Supplementary Materials

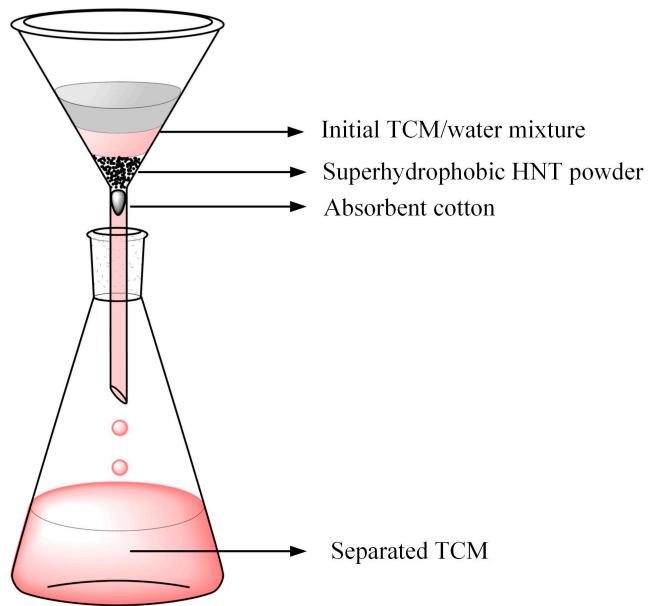


Figure S1. Diagram of oil/water separation system

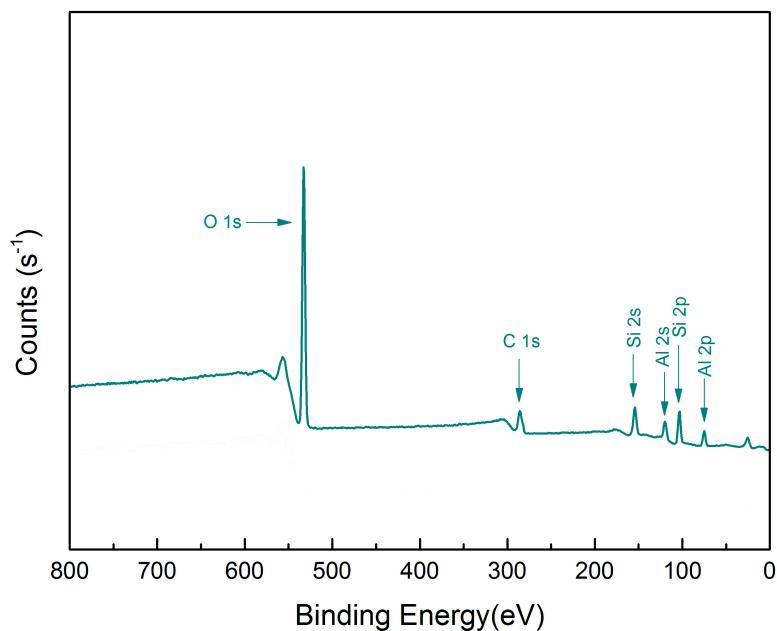


Figure S2. XPS wide-scan spectra of P-HNTs.

Table S1. XPS total elements survey of HNTs samples

Samples	Composition (At. %)				
	C	N	O	Si	Al
P-HNTs	13.80	-	54.15	16.52	15.53
PDA-HNTs	19.36	1.14	49.74	14.17	15.59
ODA-HNTs	26.45	1.57	45.59	13.45	12.94

Table S2. Functional group percentages of C 1s in PDA-HNTs high resolution XPS spectra

Sample	Composition (%)		
	C–C, C=C, C–NH ₂ (284.4 eV)	C–O, C–N (285.7 eV)	C=O (287.7 eV)
PDA-HNTs	46.59	51.58	1.83

Table S3. Functional group percentages of N 1s in high resolution XPS spectra

Samples	Composition (%)		
	R–NH ₂ (401.8 eV)	R ₁ –NH–R ₂ (399.9 eV)	C=NR (398.6 eV)
PDA-HNTs	51.16	33.87	14.97
ODA-HNTs	41.49	36.31	22.20