

Fig. S1 XRD and TEM images of the as-prepared GO sheets



Fig. S2 Homemade separation device

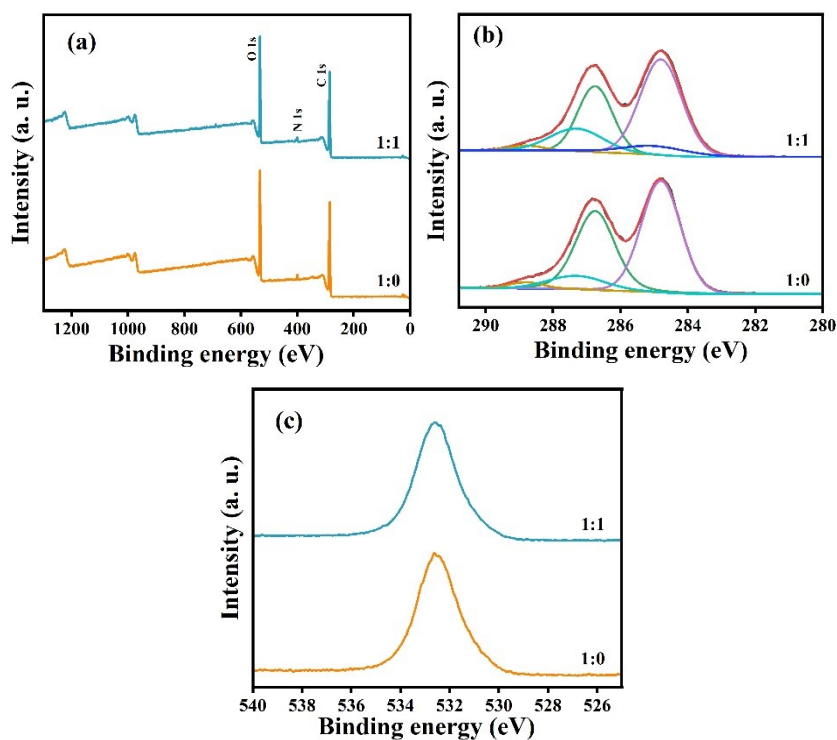


Fig.S3 XPS spectra of modified GO membranes: (a) full spectra;  
(b) C1s core level spectra; (c) O1s C1s core level spectra.

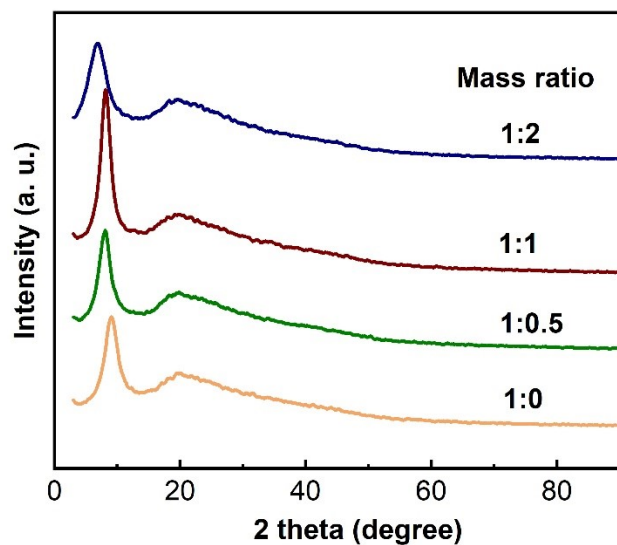


Fig.S4 XRD patterns in an intensive range of modified GO membranes with different ratios of GO to NDT.

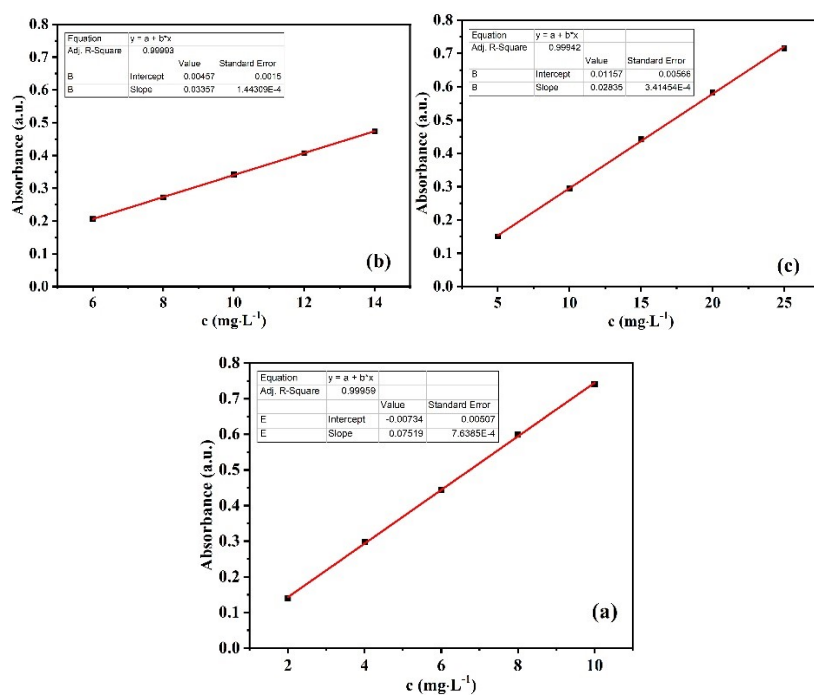


Fig.S5 A-c standard curves of EB (a), DR81(b) and MB (c).