Supporting Information

Well dispersed single-walled carbon nanotubes with strong visible fluorescence in water for metal ions sensing

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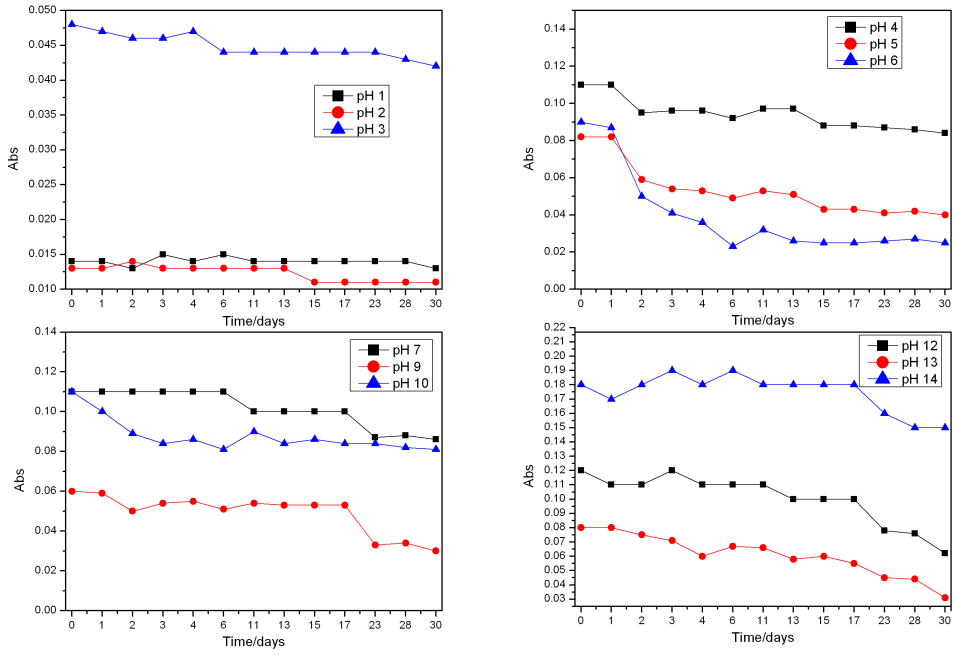

Figure S1: The stability of O-SWCNTs' dispersions at different pH values. The 0.1 saturated solution of O-SWCNTs was employed in these experiments.

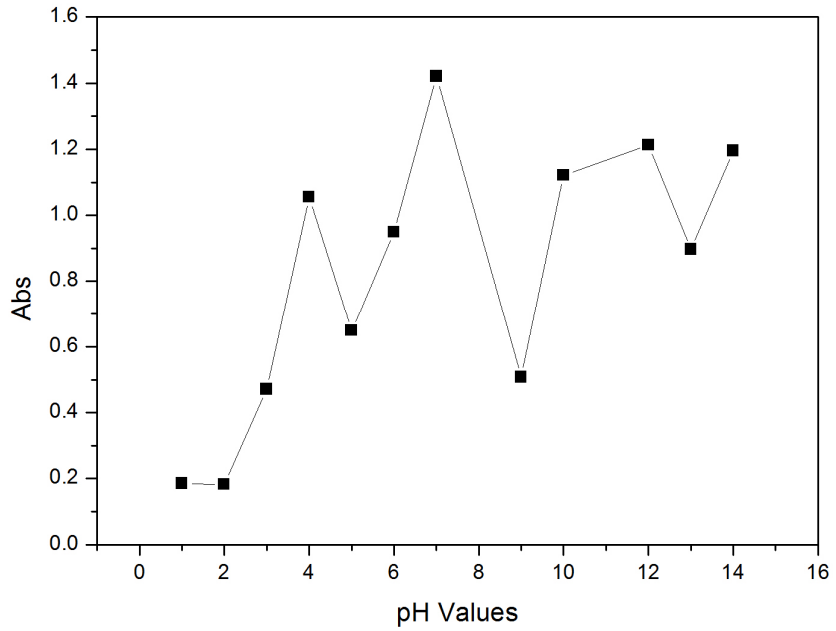

Figure S2: Concentration of saturated dispersion of O-SWCNTs with the pH followed by the absorbance at the maxima of around 262 nm

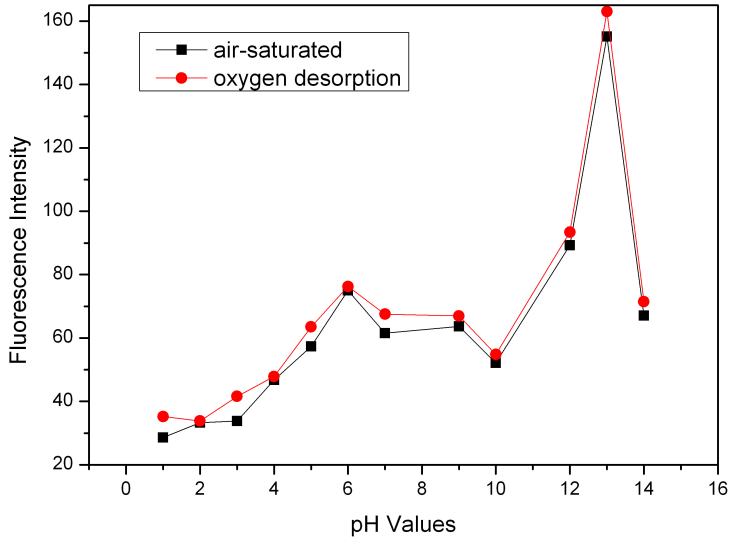

Figure S3: Influence of oxygen on fluorescence of O-SWCNTs at different pH values. The concentrations of O-SWCNTS with strongest fluorescent intensity under different pH conditions were used to estimate the effect of oxygen.

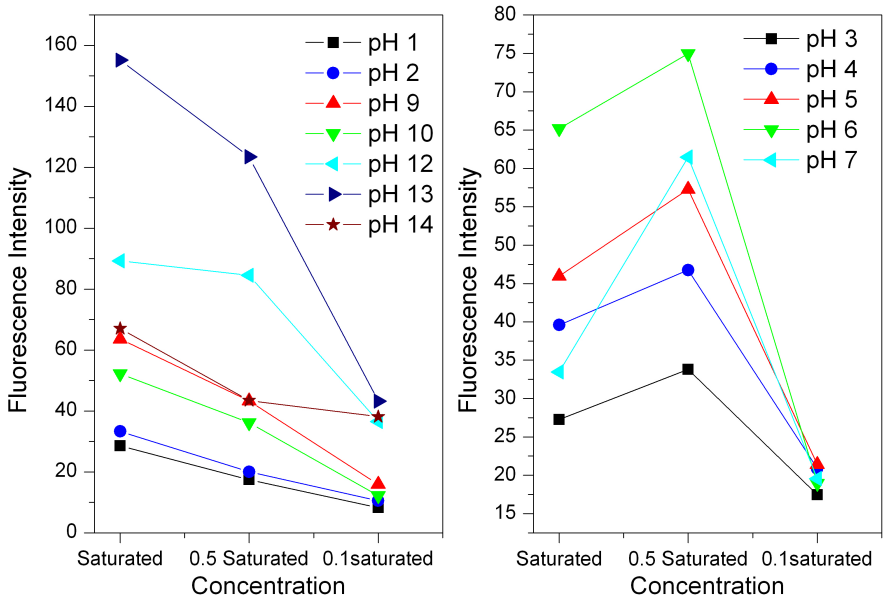

Figure S4: The comparison of the fluorescence intensity of O-SWCNTs at different concentrations and different pH values.