

**Dual application of synthesized SnO<sub>2</sub> nanoparticles in ion chromatography for sensitive fluorescence determination of ketoprofen in human serum, urine and canal water samples**

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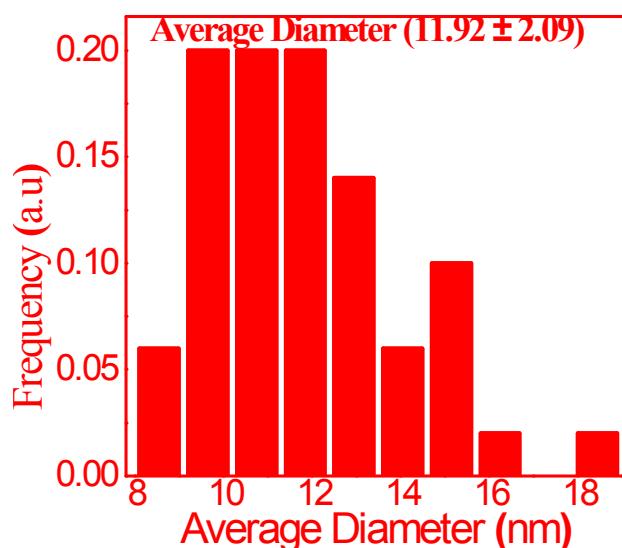
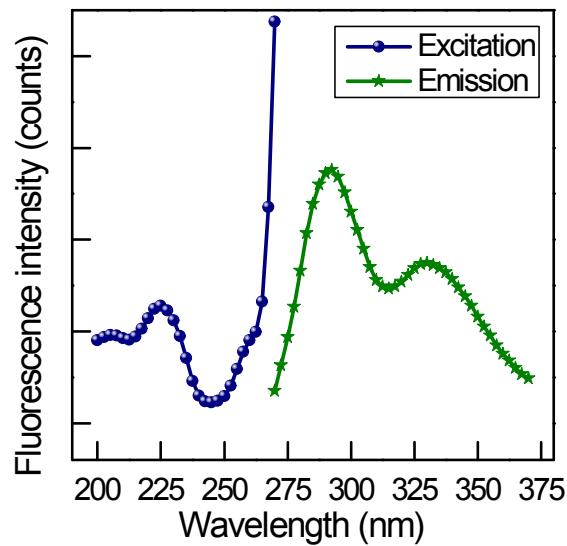
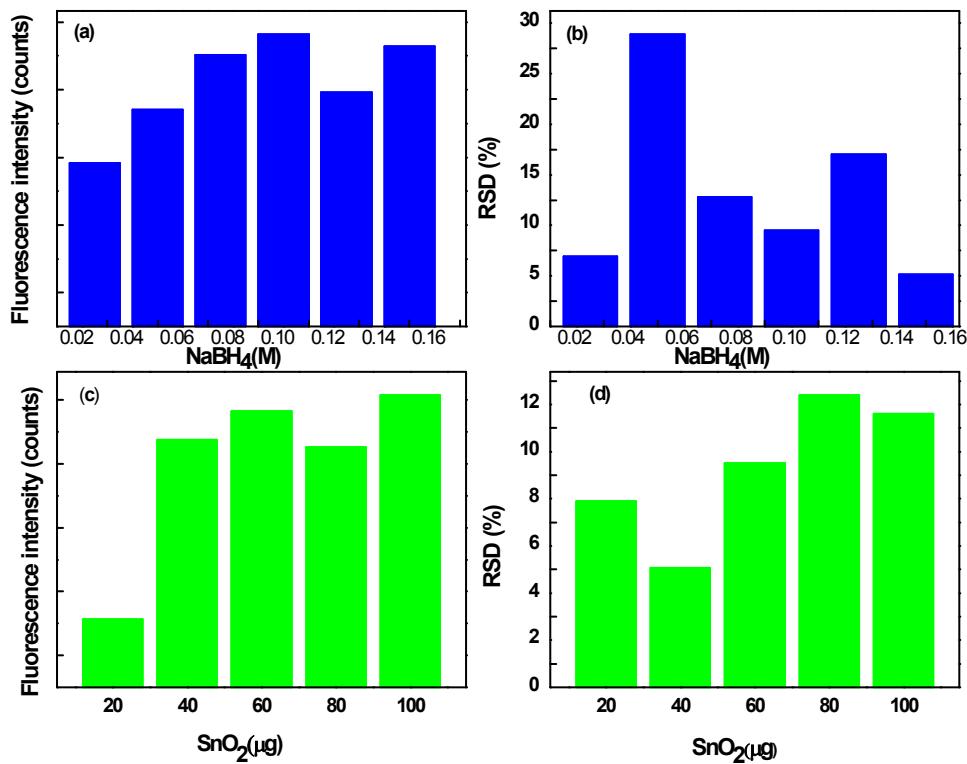


Figure S-1– Average size diameter of 50 random SnO<sub>2</sub> NPs



**Fig. S-2** The fluorescence excitation and emission spectra of KP in basic media and



**Fig. S3** (a) Effect of NaBH<sub>4</sub> concentration on KP fluorescent intensity and (b) RSDs of respective amount; (c) Effect of sorbent amount on the fluorescence intensity of KP and (d) RSDs of each amount (n=5) .

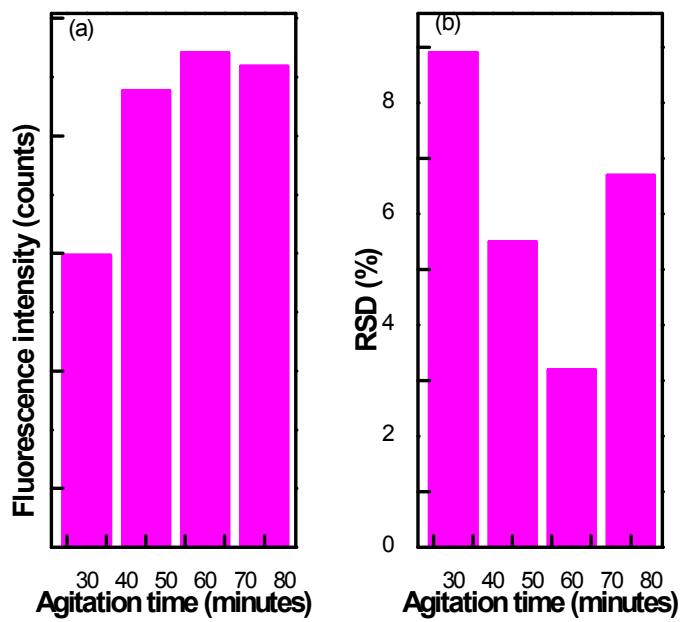


Fig. S4 (a) Effect of agitation time on KP fluorescent intensity (b) RSDs of respective time.

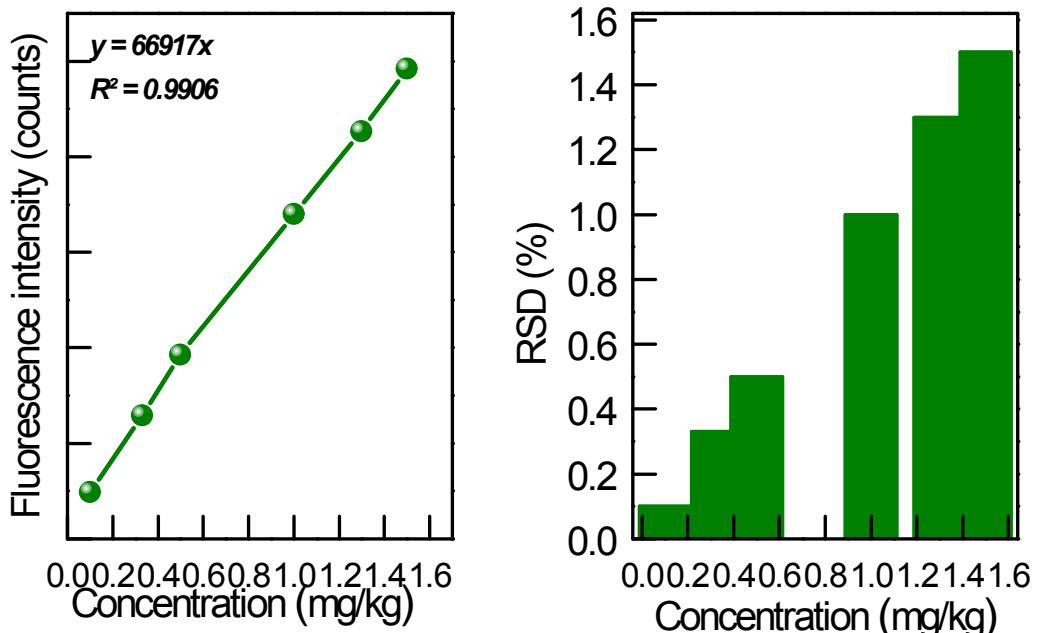


Fig. S-5 Calibration plot for KP obtained using standard solution.