

Supporting Materials

Highly Sensitive Fluorescence Probe based on functional SBA-15 for Selective Detection of Hg²⁺ in Aqueous Media

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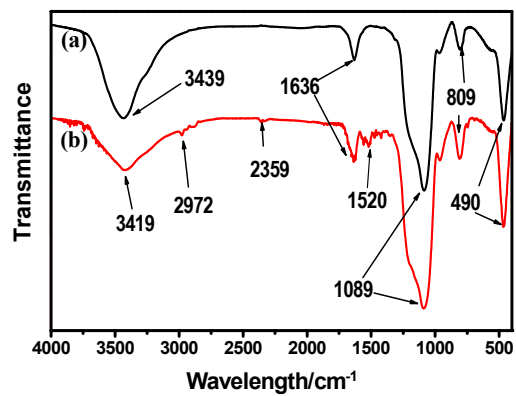


Fig. S1 IR spectra for (a) SBA-15 (black line) and (b) R6G-SBA-15 (red line).

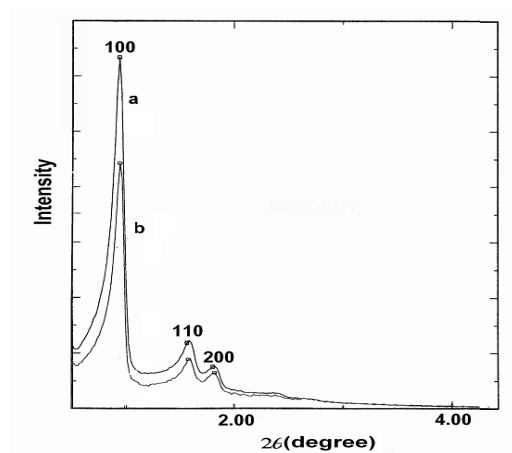


Fig. S2 XRD power patterns of (a) SBA-15 and (b) R6G-SBA-15.

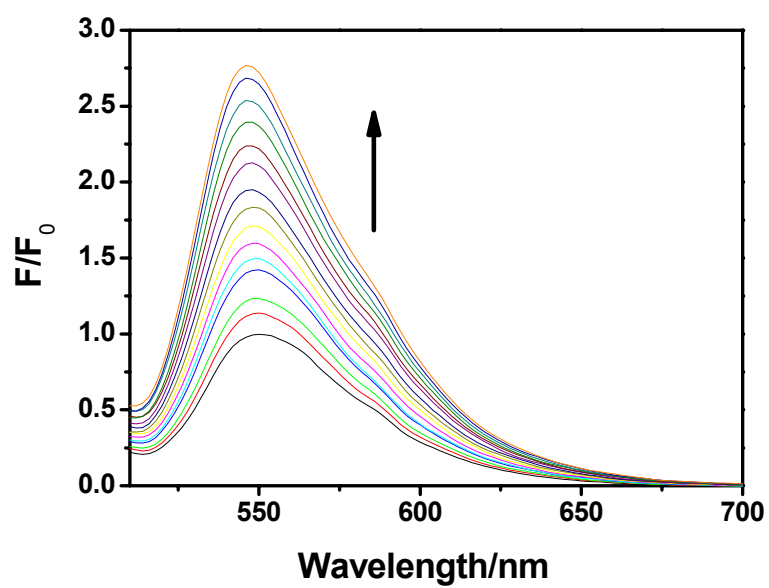


Fig. S3 Fluorescence spectral changes of **R6G-SBA-15** (0.02 g/L) with different concentrations of Hg²⁺ (1~15 ppb) in aqueous solution. Excitation at 500nm.