

# Supporting Information

## From Hollow Nanosphere to Hollow Microsphere: Mild Buffer Provides Easy Access to Tunable Silica Structure

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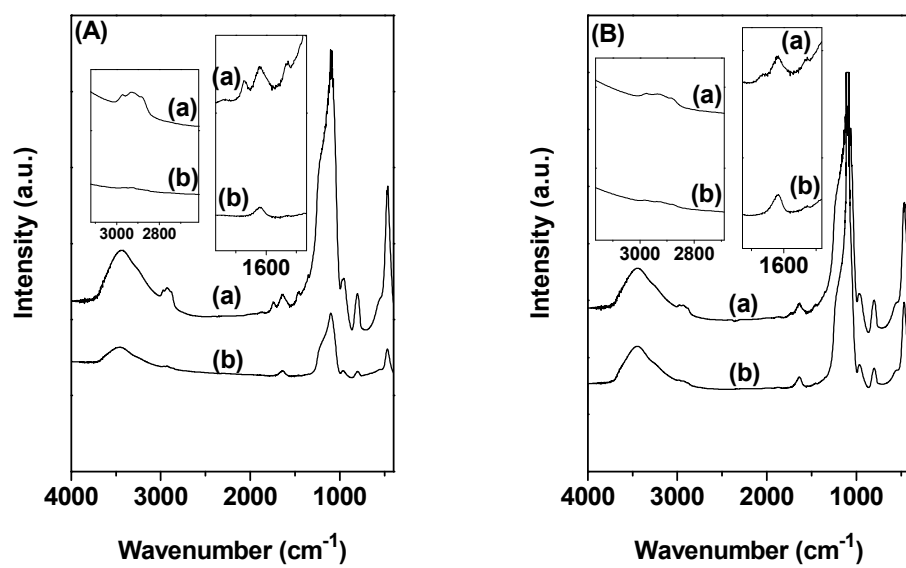
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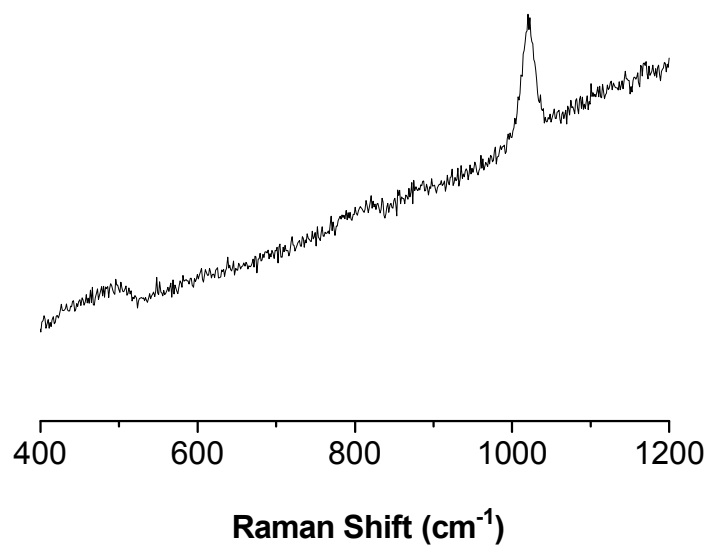
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**Figure S1.** FT-IR spectra of the silica hollow nanosphere (SHN): (A) SHN; (B) SHN-1: (a) before extraction of the surfactant; (b) after extraction of the surfactant.



**Figure S2.** *In situ* Raman spectrum monitoring the hydrolysis of TMOS during the synthesis process of SHN (after 2 min stirring at 20 °C).