Supplementary Material (ESI) for Journal of Materials Chemistry


# Perovskite $BaZrO_3$ Hollow Micro- and Nanospheres: Controllable Fabrication, Photoluminescence and Adsorption of reactive dyes

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# Electronic Supplementary Information

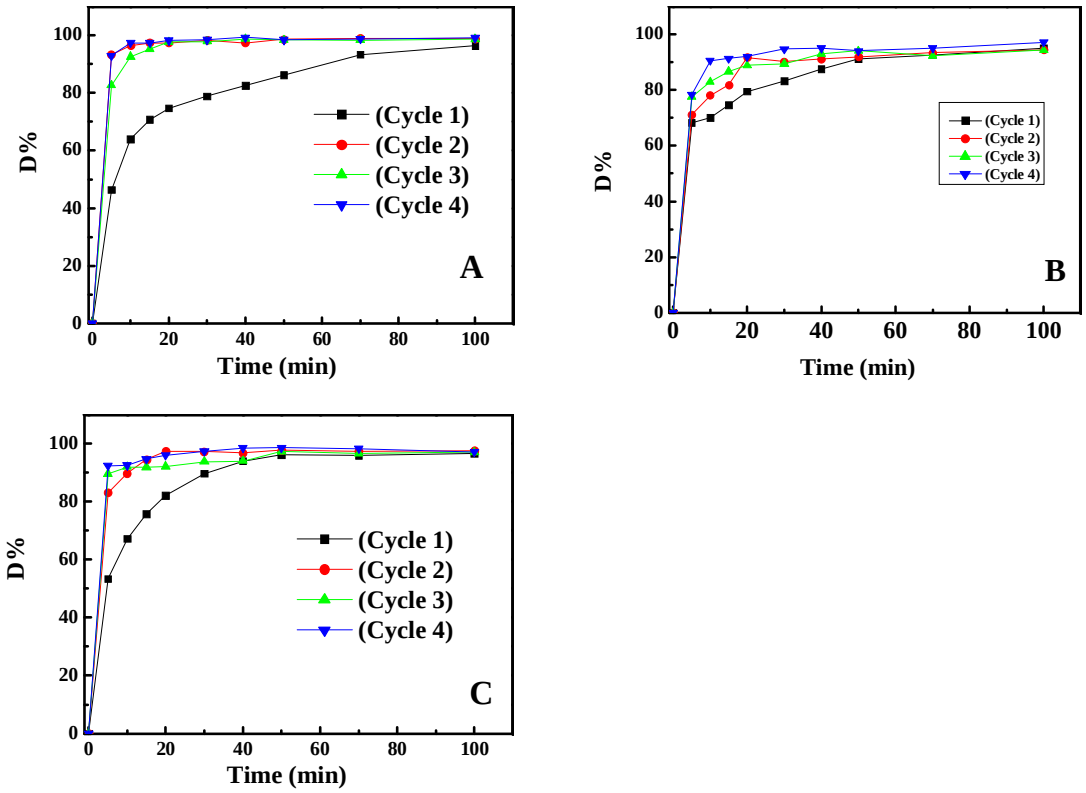


**Figure S1** Adsorption-desorption cycles for Agazol blue BF-GF 150% (a), reactive yellow RR (b), and reactive red KE-7B (c). Each adsorption experiment was performed by using the regenerated $BaZrO_3$ hollow nanospheres. All the tests were run in 500 mL 100 mg·$L^{-1}$ dye solutions.

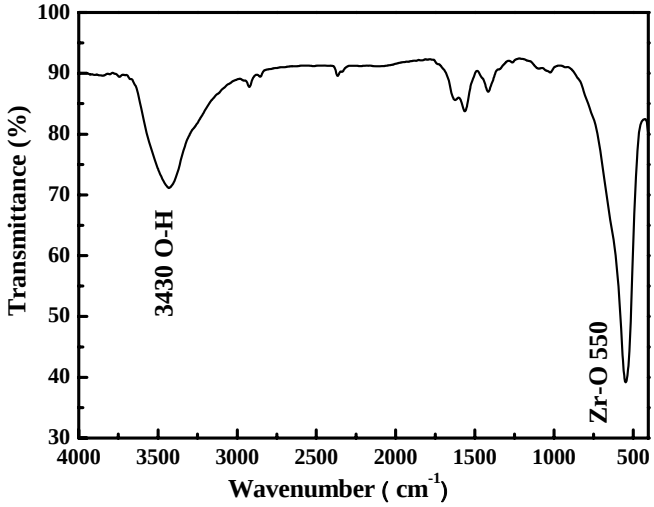


**Figure S2.** FTIR spectra of 200 °C annealed $BaZrO_3$ obtained at 200 °C in 16 mol·$L^{-1}$ KOH solution for 24hrs.