Electronic Supplementary Material (ESI) for CrystEngComm.

Supporting Information

One-pot synthesis of Ag@Cu yolk–shell nanostructures and their application as nonenzymatic glucose biosensor

Shuling Xu[a], Haibo Li[a], Lei Wang[a], Qiaoli Yue[a], Sun Sixiu[b] and Jifeng Liu[a]

[a] *Department of Chemistry, liaocheng University, liaocheng 252059, PR China*

b Department of Chemistry, Shandong University, Jinan, Shandong 250100, PR China

E-mail: liujifeng111@gmail.com

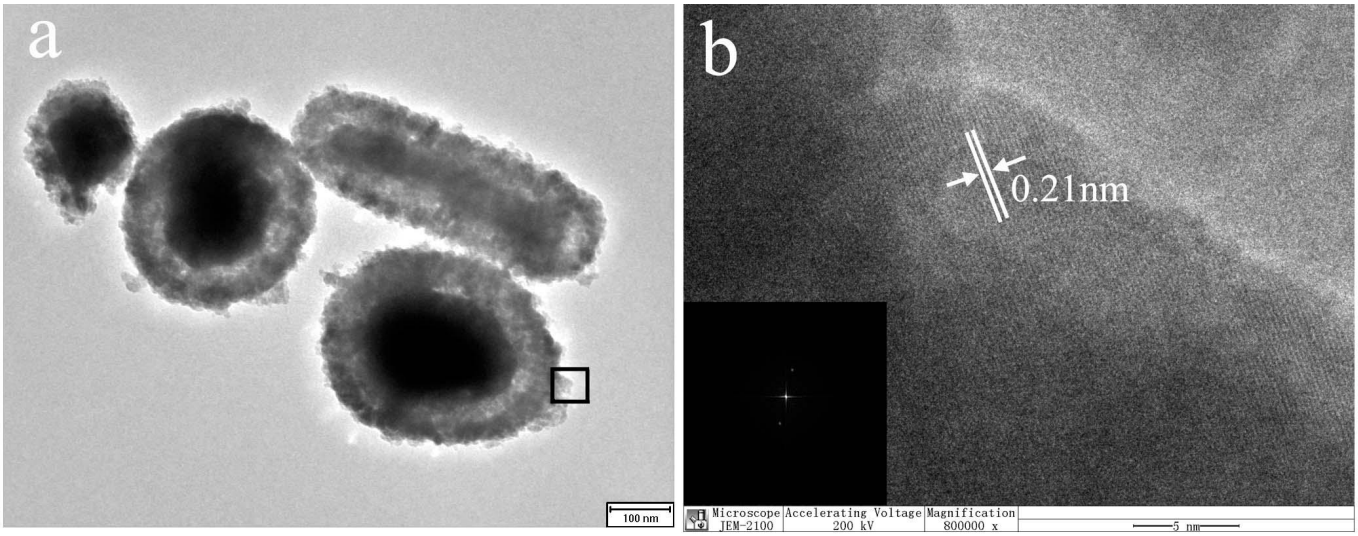

Fig. S1 (a) TEM image of the Ag@Cu yolk-shell nanostructure. (b) HRTEM image recorded from the edge of a yolk-shell nanostructure, framed area in (a). The insets in (b) show the corresponding Fourier transform (FFT) of the HRTEM images

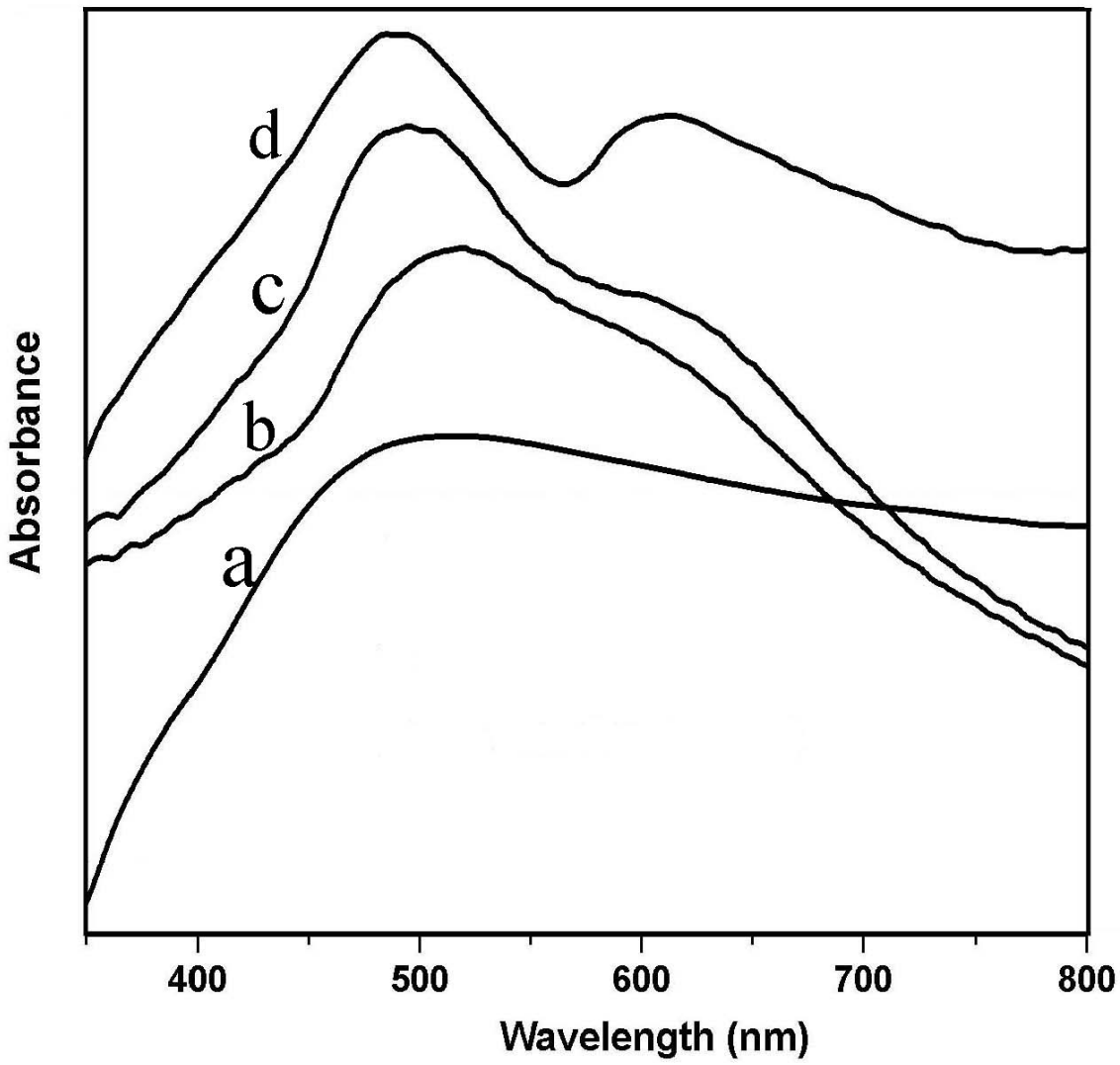

Fig. S2. UV－vis spectral sequences of nanoparticles obtained at 160℃ after different reaction times: (a) 4 h; (b) 10 h; (c) 18; (d) 24h.

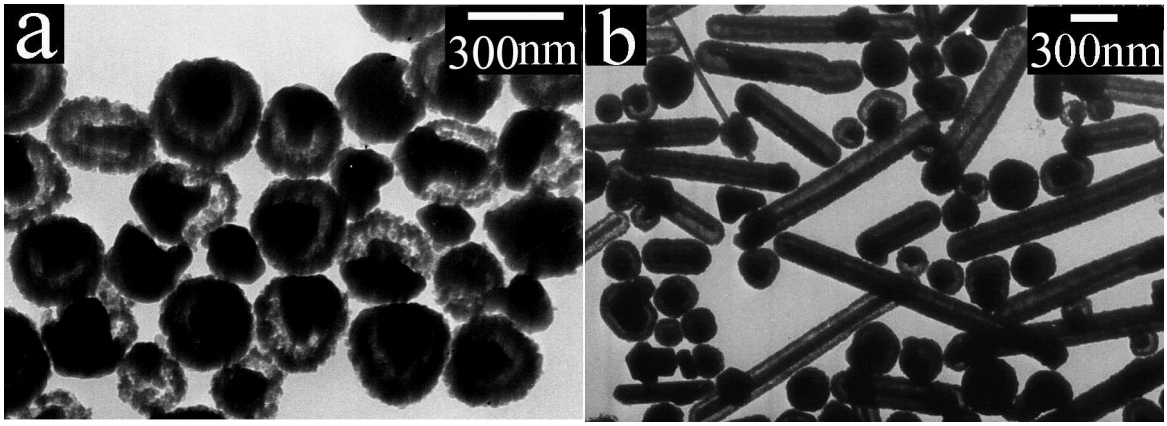

Fig. S3. TEM images of the Ag@Cu yolk–shell nanostructures prepared at PVP (a) 0g and (b) 0.02g .