

Supplementary Information

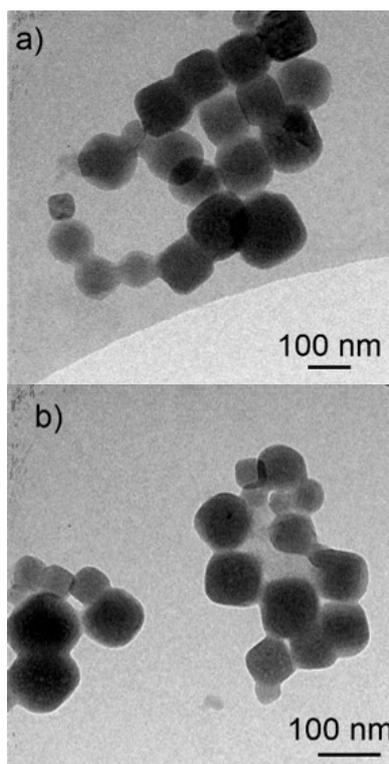


Figure S1. TEM images with scale bars in each micrograph measure 100 nm for (a) PAB nanocubes and (b) PAB-CD nanocubes.

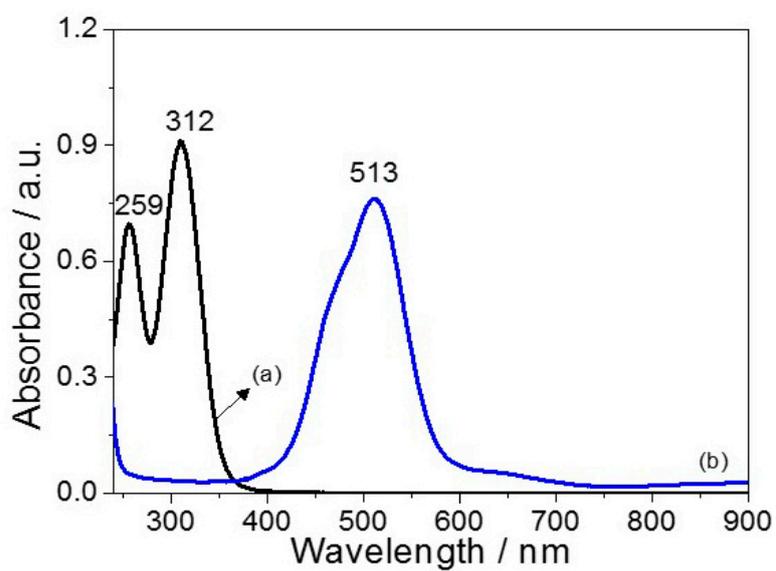


Figure S2. UV-Vis spectra for: (a) $3 \text{ mmol}\cdot\text{L}^{-1}$ $\text{K}_3[\text{Co}(\text{CN})_6]$ and (b) $0.1 \text{ mol}\cdot\text{L}^{-1}$ $\text{Co}(\text{CH}_3\text{COO})_2\cdot 4\text{H}_2\text{O}$ solutions.

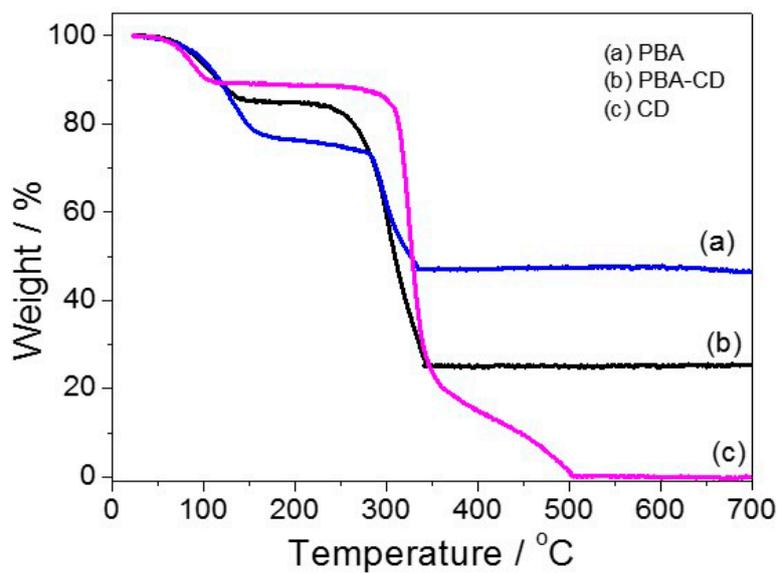


Figure S3. The TGA scans for (a) PBA NCs; (b) PAB-CD and (c) CD.

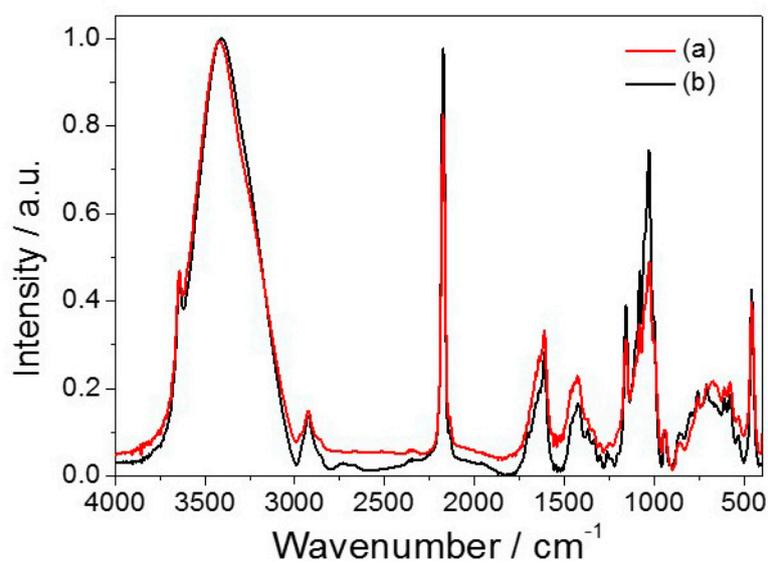


Figure S4. FTIR spectra for (a) theoretical spectrum of the mixture (generated from combination of the experimental FTIR spectra of PBA and CD) and (b) experimental spectrum of hybrid.