Electronic Supplementary Material (ESI) for CrystEngComm.

Supporting Information

Synthesis and Formation Mechanism of $CuInS_2$ Nanocrystals with Tunable Phase

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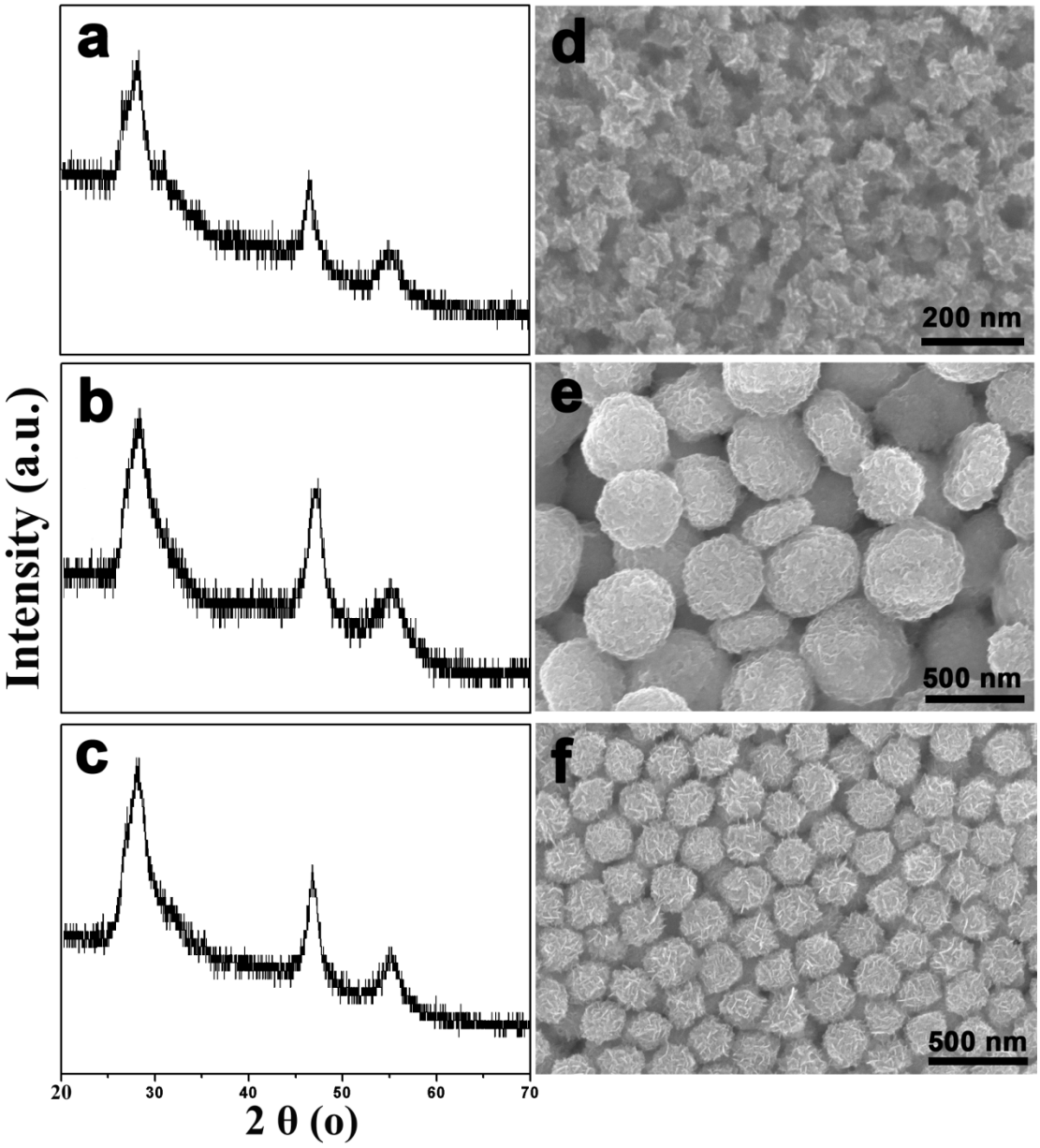

Figure S1. XRD patterns and SEM images of the as-prepared samples with different volumes of HCl (38 wt. %): XRD pattern (a) and SEM image (d) of 0 mL, XRD pattern (b) and SEM image (e) of 0.5 mL, XRD pattern (c) and SEM image (f) of 1 mL.

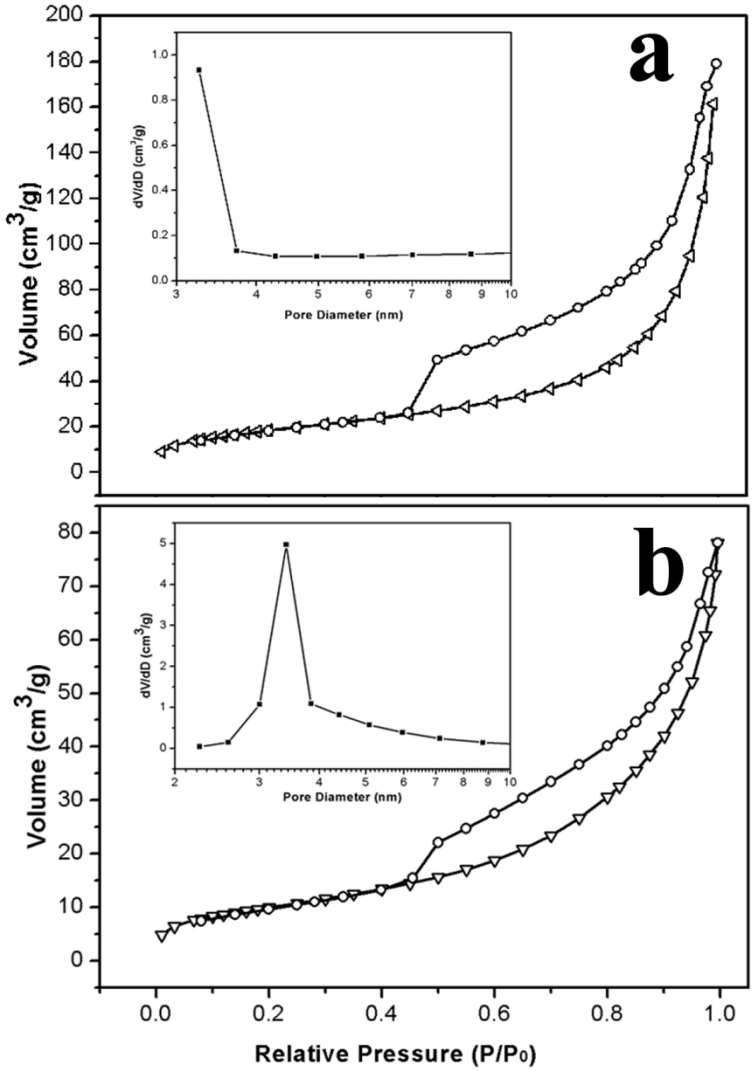

Figure S2. Nitrogen adsorption-desorption isotherms of chalcopyrite phase CIS (a) and wurtzite phase CIS (b). The triangles represent adsorption isotherm whereas the circles represent the desorption isotherm. The insets show the pore size distributions.

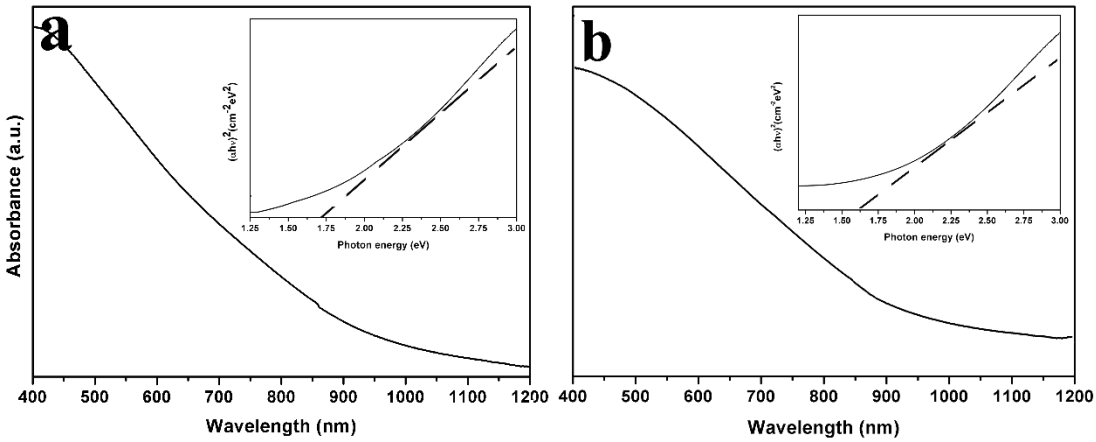

Figure S3. Optical absorption spectra and the bandgap values (the inset, estimated by a related curve of $(\alpha h\nu)^2$ versus photon energy plotted) of chalcopyrite phase CIS (a) and wurtzite phase CIS (b).