

Supplementary information

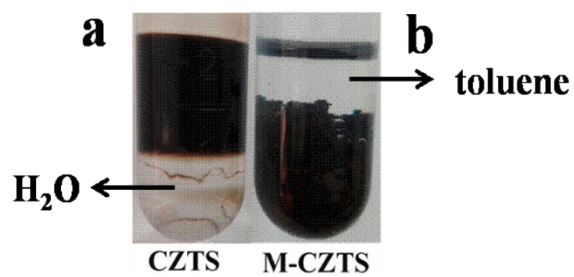


Figure S1. Photographs of the CZTS NCs before (a) and after (b) the ligand exchange process.

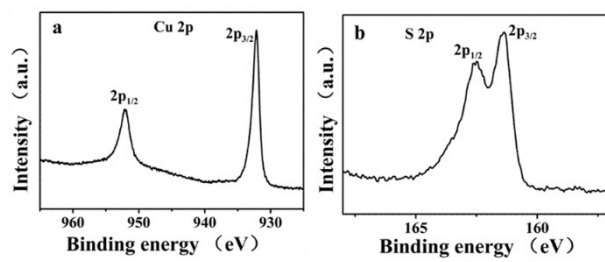


Figure S2. XPS spectra of Cu₂S nanocrystals.

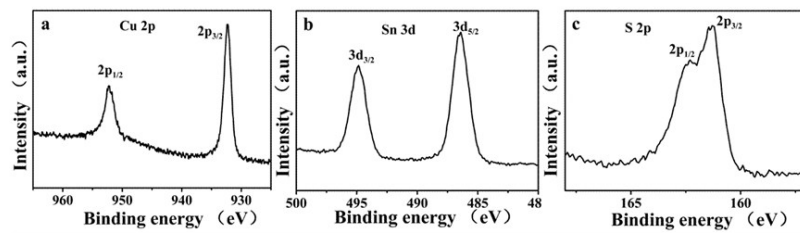


Figure S3. XPS spectra of Cu_2SnS_3 nanocrystals.