

**SUPPLEMENTARY MATERIAL**

**Selective synthesis of copper gallium sulfide ( $\text{CuGaS}_2$ )  
nanostructures of different sizes, crystal phases, and  
morphologies**

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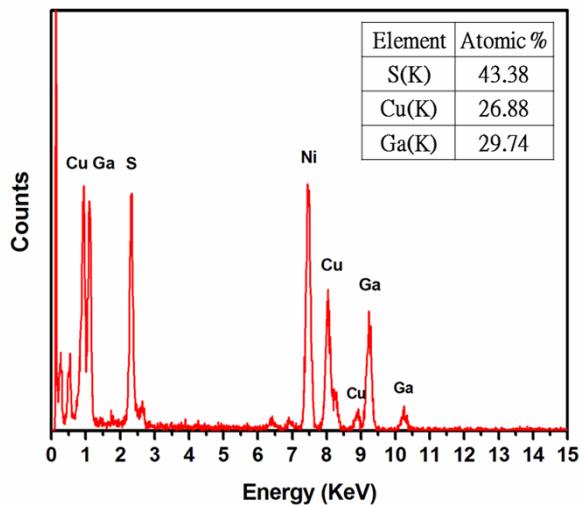


Figure S1. EDS spectra of chalcopyrite CuGaS<sub>2</sub> nanoparticles.

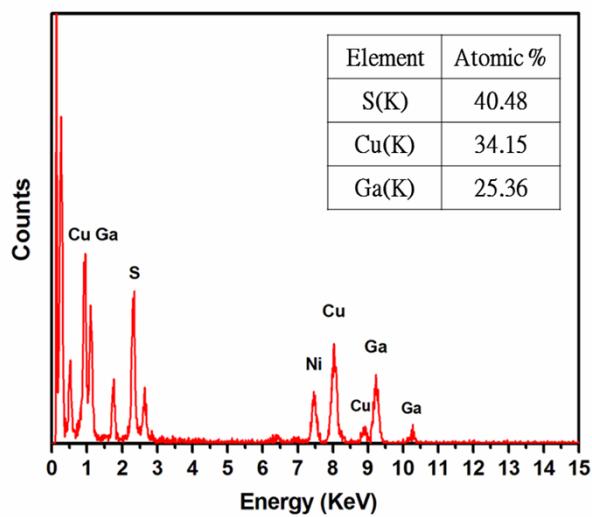


Figure S2. EDS spectra of chalcopyrite dodecanethiol-capped CuGaS<sub>2</sub> nanoparticles .

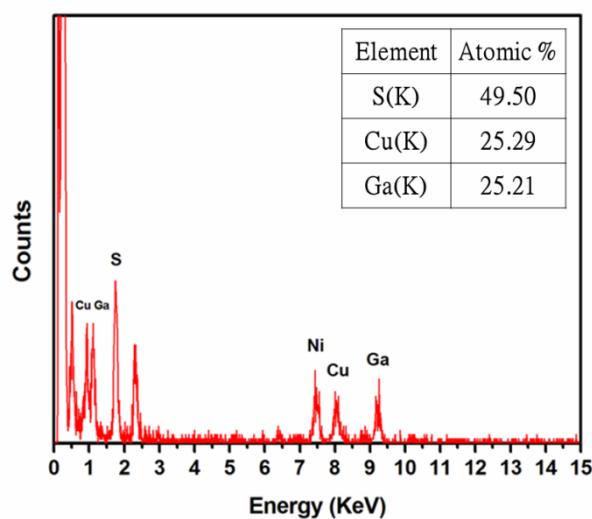


Figure S3. EDS spectra of wurtzite CuGaS<sub>2</sub> nanocrystals.