

Supplementary Information

Self-Reorganization of CdTe Nanoparticles into Two-Dimensional Bi₂Te₃/CdTe Nanosheets and Their Thermoelectrical Properties

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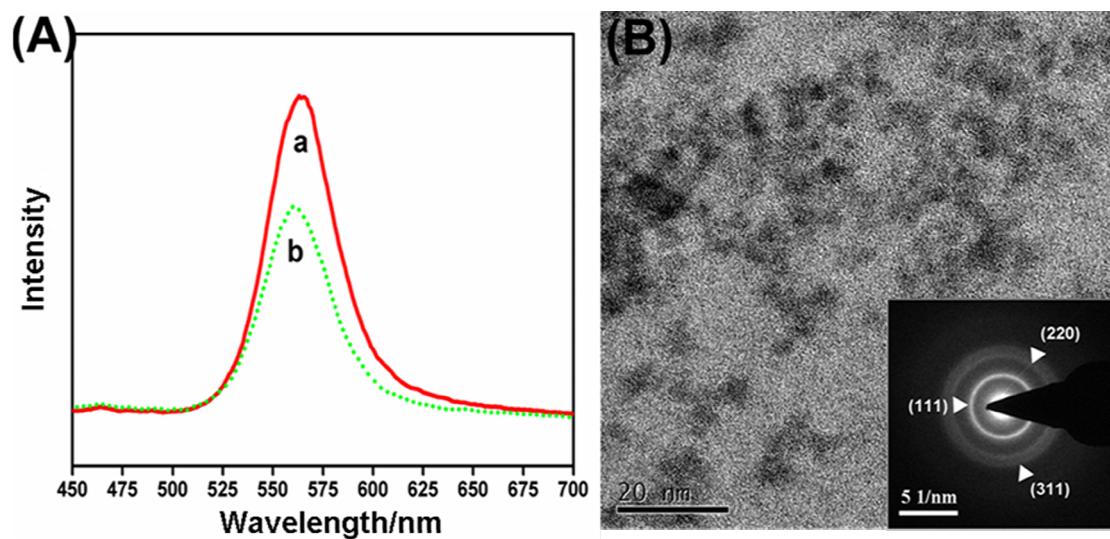


Figure S1. (A) Photoluminescence (PL) spectra of MEA-capped CdTe NP solutions before (curve a) and after (curve b) partial removal of the stabilizers. Compared to those in crude solution (curve a), PL peak of stabilizer-depleted CdTe NPs (curve b) shows a slight blue shift from 575 nm to 571 nm. (B) Transmission electron microscopy (TEM) image of MEA-capped CdTe NPs. Inset represents the selected area electron diffraction (SAED) pattern of NPs. TEM and SAED observations indicate that the stabilizer-depleted CdTe NPs have average diameters of 3.4 nm and a face centered cubic (FCC) crystal structure.