

Electronic Supplementary Information

Bis(piperidinedithiocarbamato)pyridinecadmium(II) as a Single-Source Precursor for the Synthesis of CdS Nanoparticles and Aerosol-Assisted Chemical Vapour Deposition (AACVD) of CdS thin films

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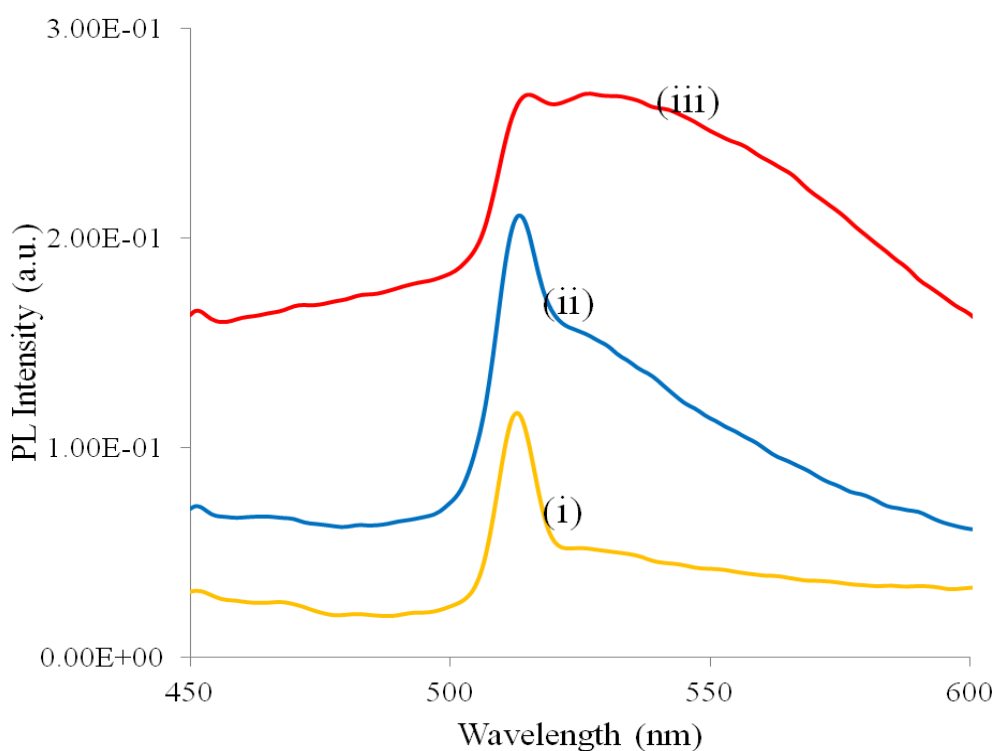


Fig. S1. Photoluminescence emission spectra of CdS thin films deposited at (i) 350, (ii) 400 and (iii) 450 °C ($\lambda_{\text{exc}} = 350$ nm). Spectra are corrected for instrument response.

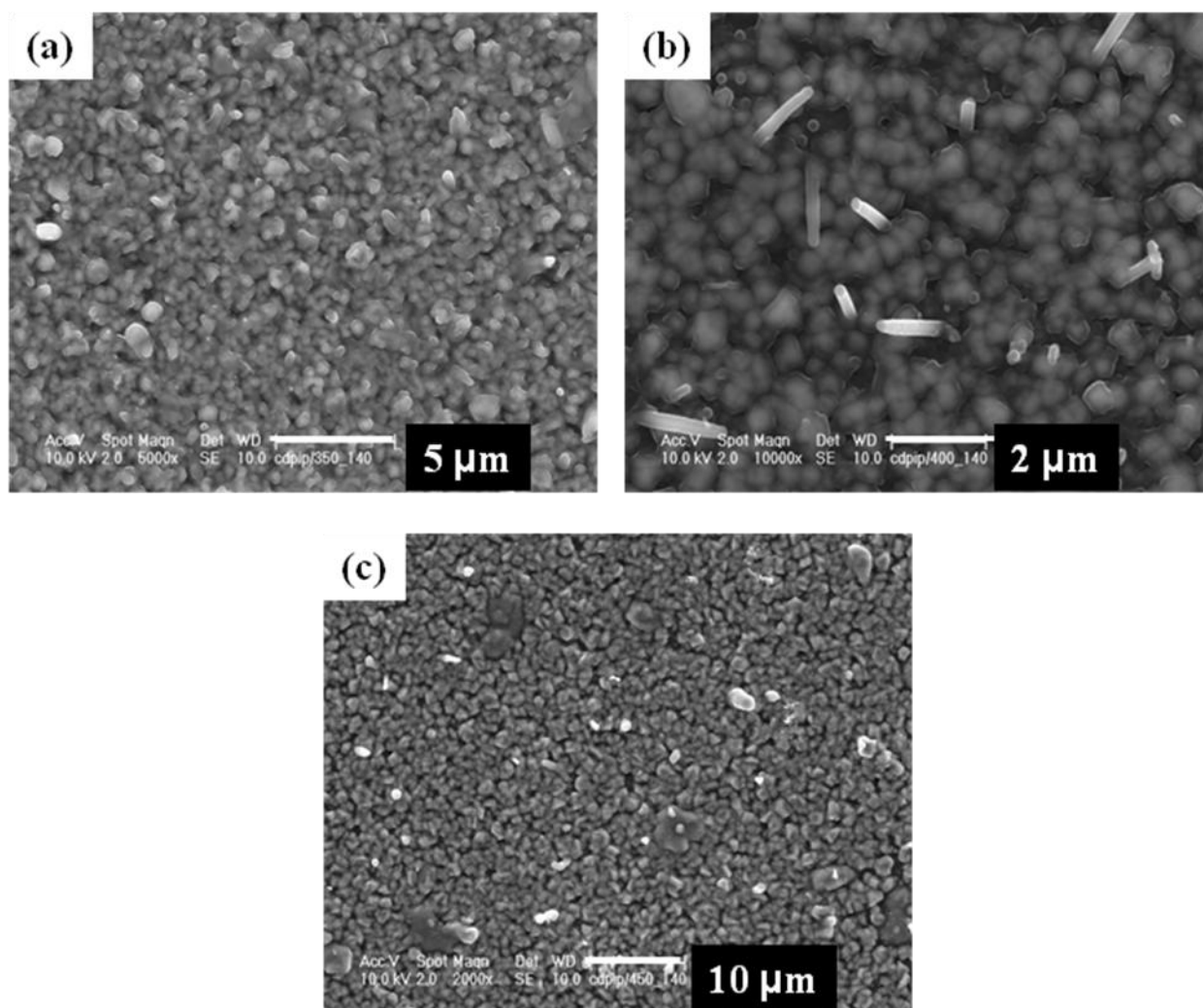


Fig. S2. SEM images of CdS thin films deposited using the parent single source precursor (bis(piperidinedithiocarbamatocadmium(II))) at (a) 350 °C, Magn. 5000×; (b) 400 °C, Magn. 10000× and (c) 450 °C, Magn. 2000×.