A Low Temperature Cluster Condensation Approach to CdS Nanocrystals: Oxidative Aggregation of $[Cd_{10}S_4Br_4(SR)_{12}]^{4-}$ with Sulfur

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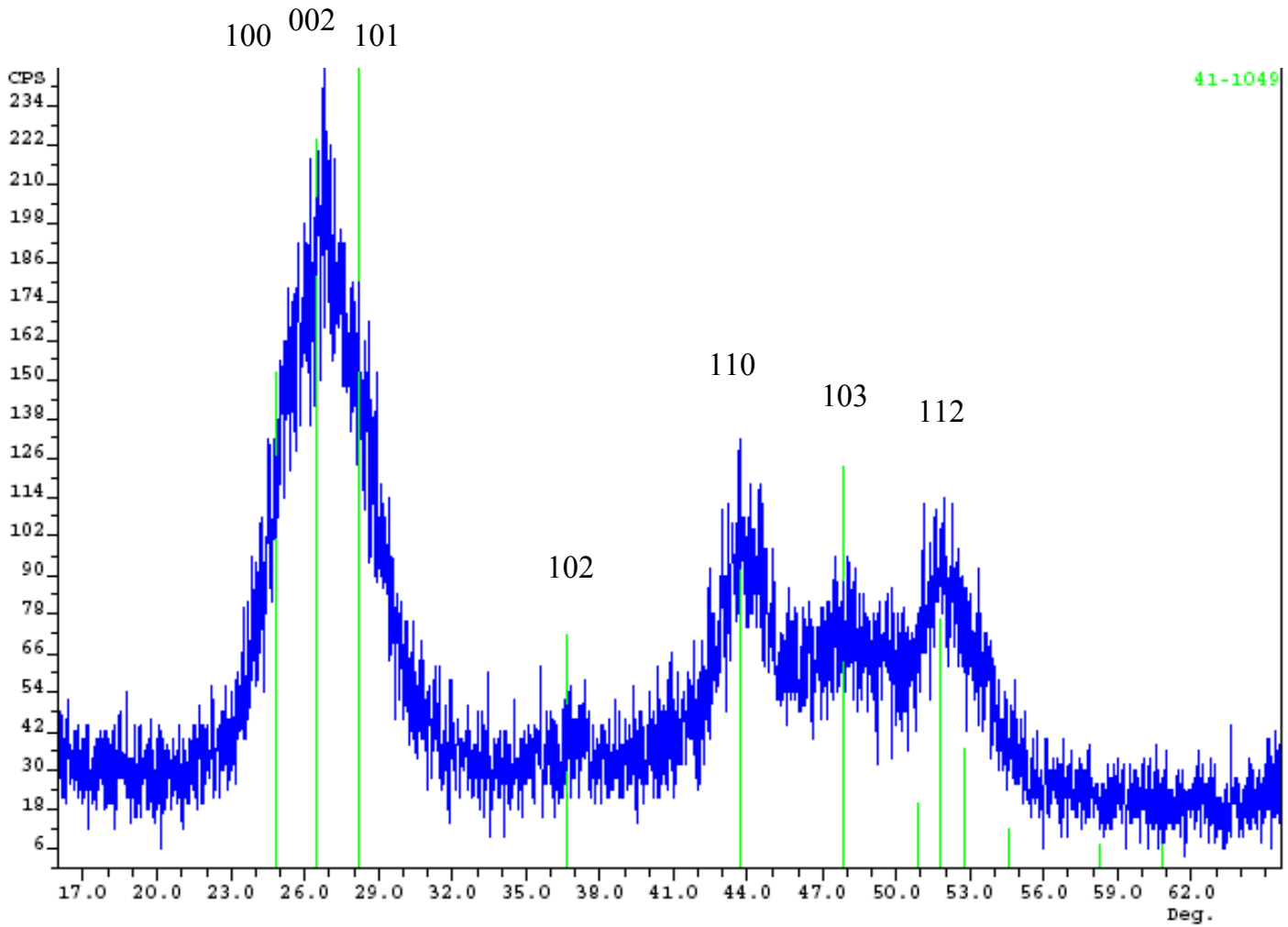
Supporting Information (4 pages total)

a) X-ray Powder spectrum of CdS
b) IR spectra
c) ^{113}Cd nmr spectra

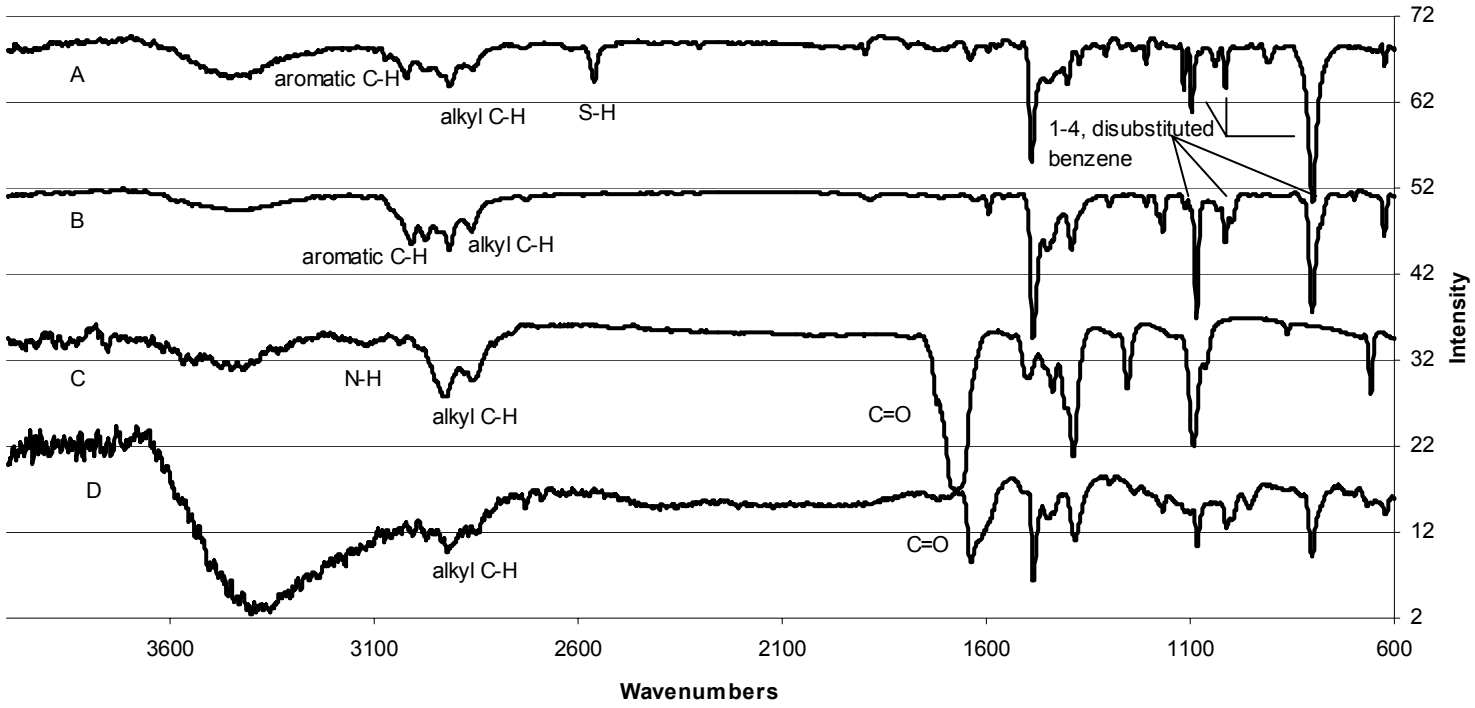
Experimental and theoretical X-ray powder spectrum of crystalline CdS .



•Peak assignments based on wurtzite mineral (greenockite, jps card 41-1049)

•Cu K-alpha radiation.

IR spectra of a) thiocresol, b) $(Et_4N)_4[Cd_{10}S_4Br_4(SR)_{12}]$, c) DMF, d) CdS nanocrystals. All spectra were recorded as KBr pellets.



^{113}Cd-nmr spectra of **1** before (a) and after heating (b). All spectra were recorded in DMSO-d_6.