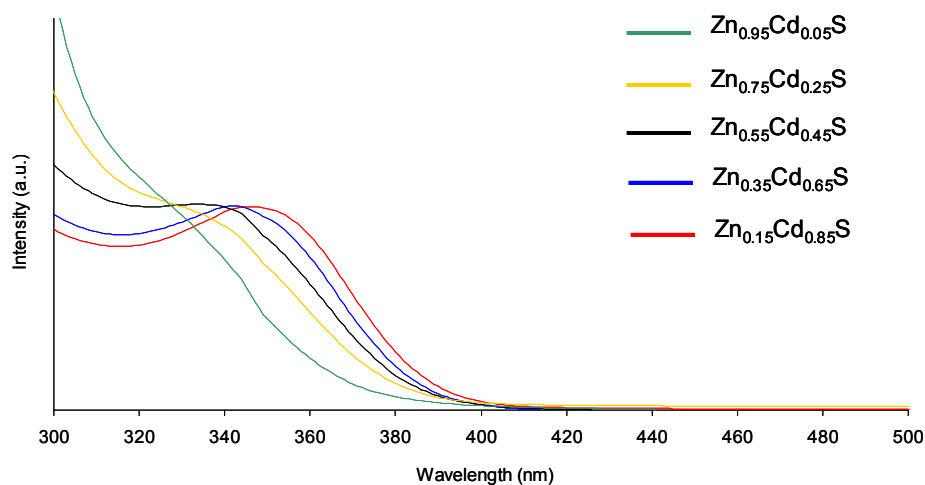


Supplementary Material (ESI) for Journal of Materials Chemistry
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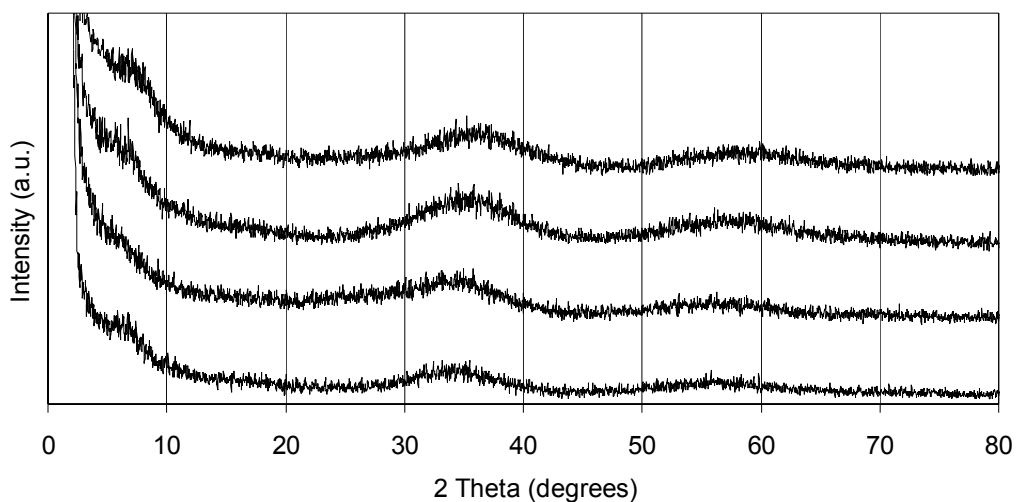
SUPPORTING INFORMATION

A Molecular Precursor Approach for the Synthesis of Composition-Controlled $\text{Zn}_x\text{Cd}_{1-x}\text{S}$ and $\text{Zn}_x\text{Cd}_{1-x}\text{Se}$ Nanoparticles

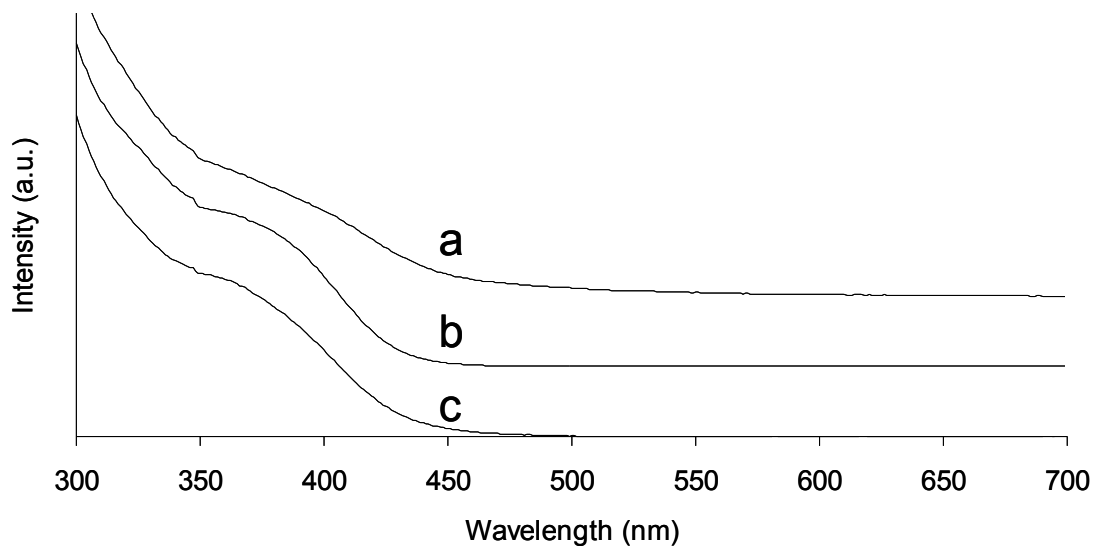
**Marty W. DeGroot^a, Katelyn M. Atkins^a, Aneta Borecki^a, Harald Rösner^b and John F.
Corrigan^{a*}**



Solution (DMF) absorption spectra of Zn_xCd_{1-x}S nanoparticles for x = 0.95, 0.75, 0.55, 0.35 and 0.15.



Powder X-ray diffraction patterns of the as-prepared Zn_xCd_{1-x}S nanoparticles. From top to bottom: Zn_{0.95}Cd_{0.05}S, Zn_{0.65}Cd_{0.35}S, Zn_{0.35}Cd_{0.65}S and Zn_{0.05}Cd_{0.95}S.



UV-visible spectrum of Zn_{0.25}Cd_{0.75}Se nanoparticles prepared in THF with reaction temperatures of a) 66°C, b) 0°C and c) -78°C