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Supporting Information

One-Pot Synthesis of Hydrophilic $CuInS_2$ and $CuInS_2$/ZnS Colloidal Quantum Dots

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TITLE RUNNING HEAD: A Green Synthesis of Hydrophilic $CuInS_2$ Quantum dots

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Synthesis of hydrophilic CdS and ZnS nanocrystals. The synthetic method is the same with the case of $CuInS_2$ quantum dots with the cation precursors were replaced by $Cd(Ac)_2{\cdot}2H_2O$ and $Zn(Ac)_2{\cdot}2H_2O$ respectively.

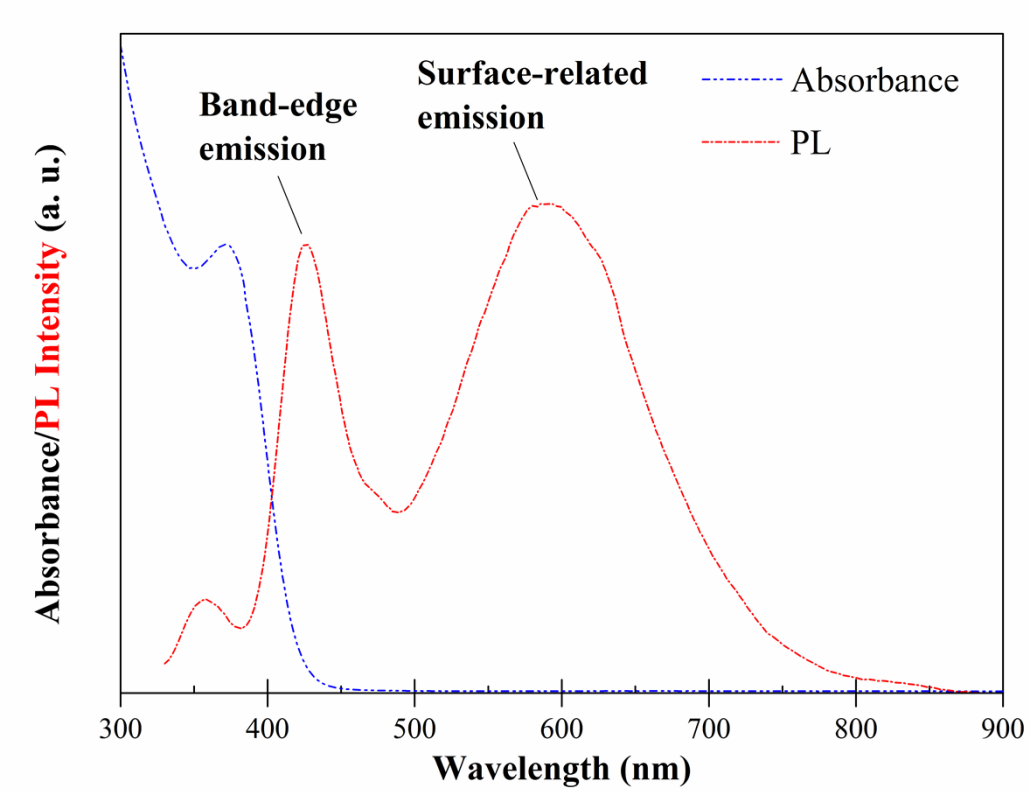

Figure S1. The absorption and photoluminescence spectra of CdS colloidal quantum dots. (The remarkable surface-related emission is due to poor surface-capping.)

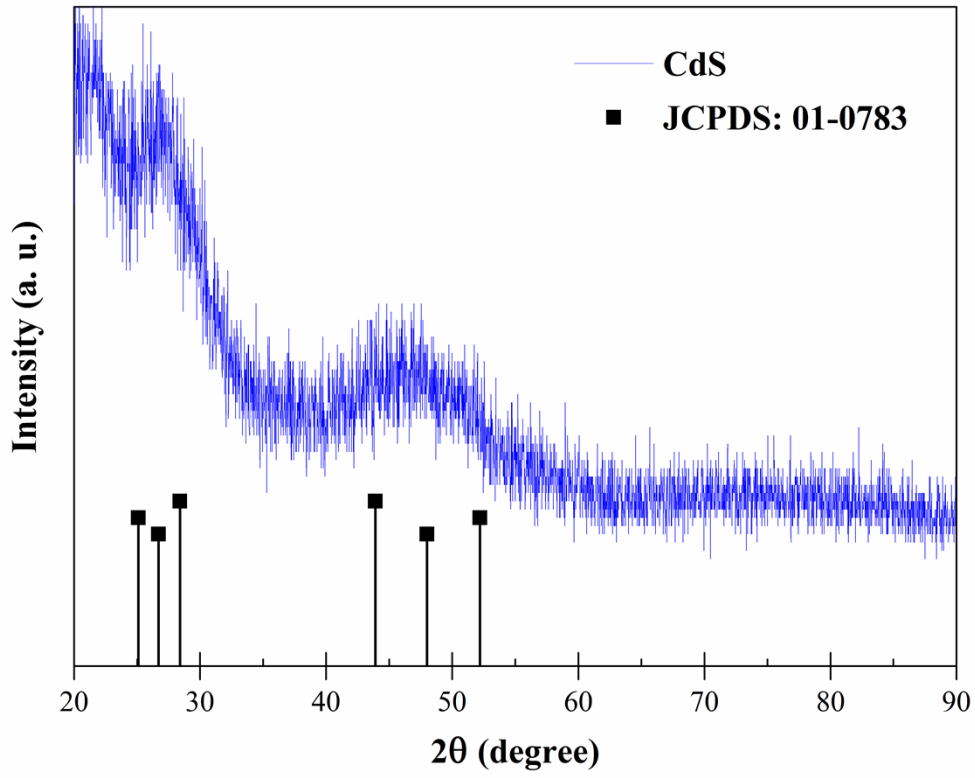

Figure S2. XRD pattern of CdS colloidal quantum dots.

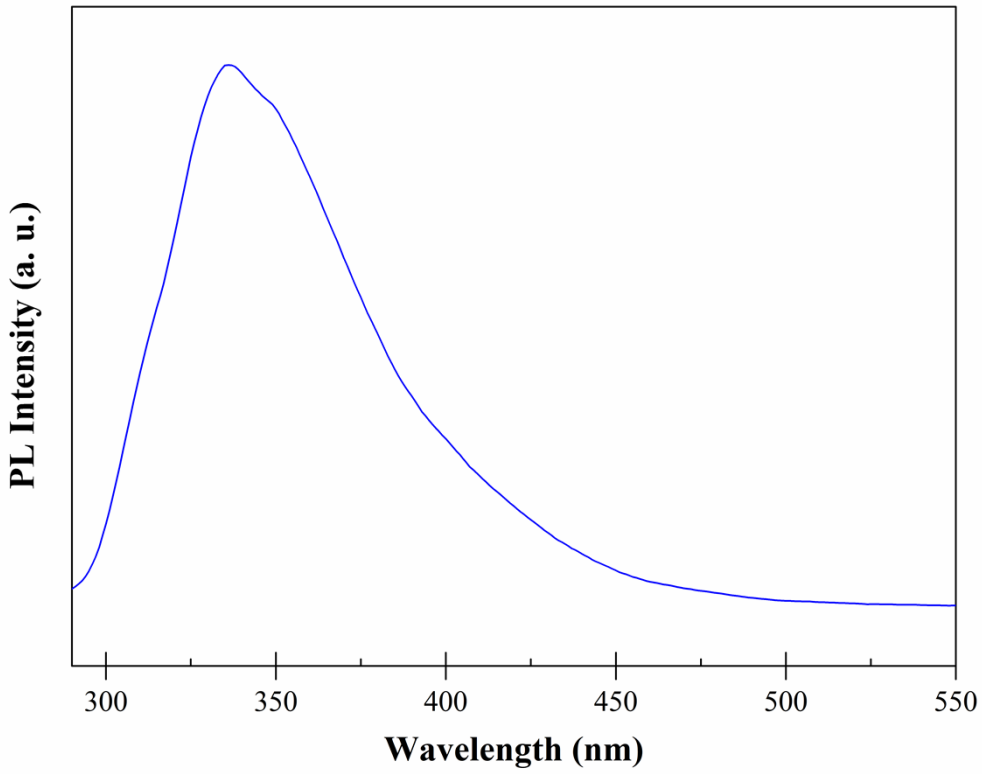

Figure S3. The photoluminescence spectrum of ZnS colloidal quantum dots.

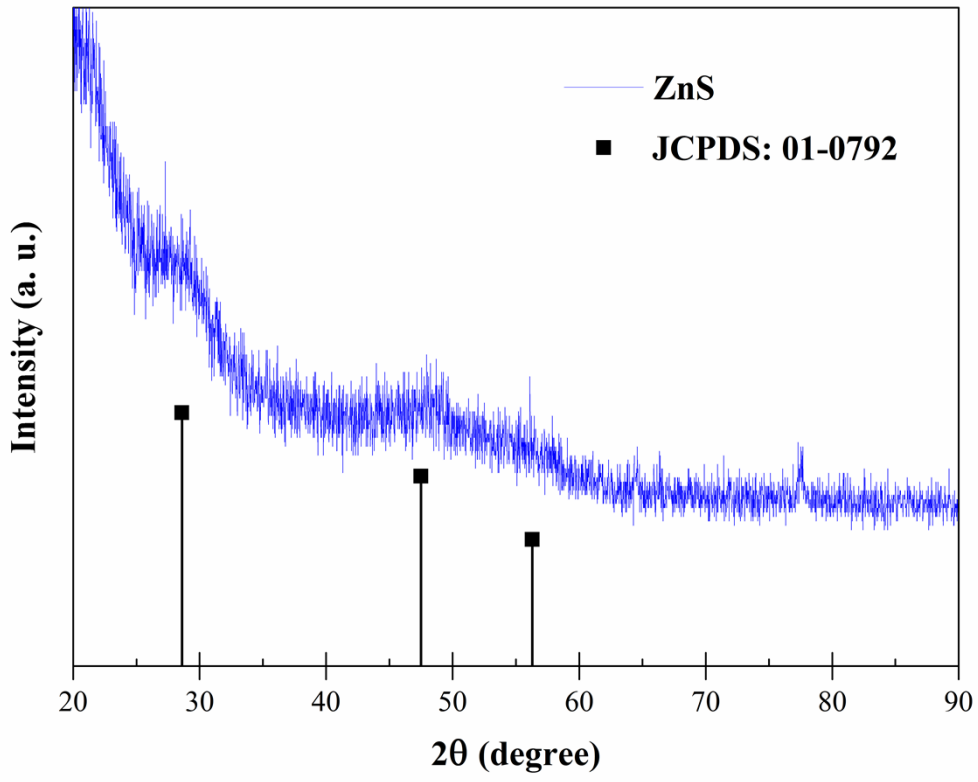

Figure S4. XRD pattern of ZnS colloidal quantum dots.