

Supporting information for

Phosphine-free engineering toward metal telluride nanocrystals: the role of Te precursor coordinated at room temperature

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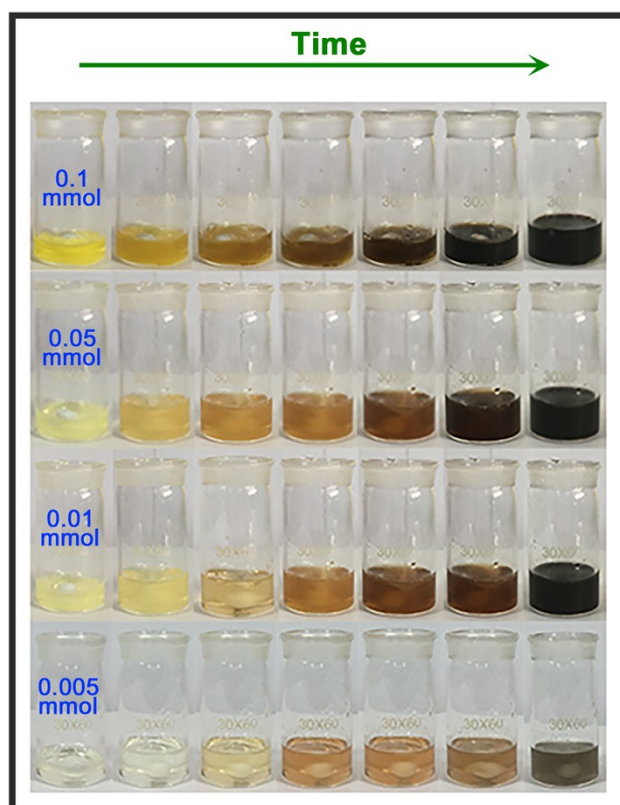


Fig. S1 The preparation process for phosphine-free Te precursor consisting of different doses of TeO_2 powder in 3.0 mL DDT and 3.0 mL OLA.

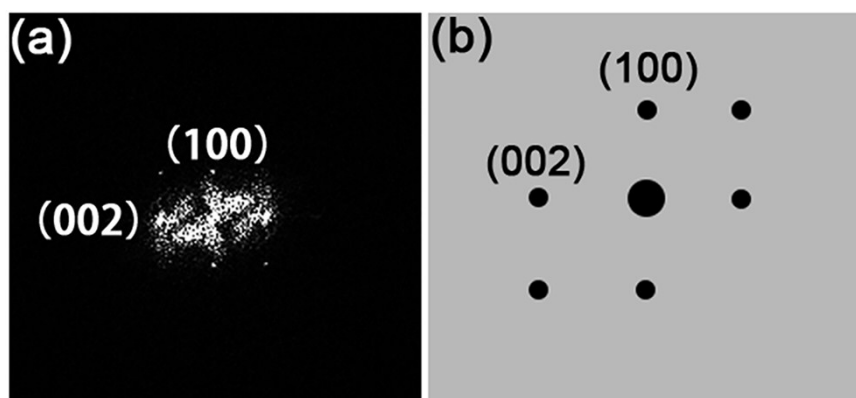


Fig. S2 Characterization of wurtzite CdTe NCs. (a) FFT spectrum and (d) the corresponding calculated diffraction pattern.

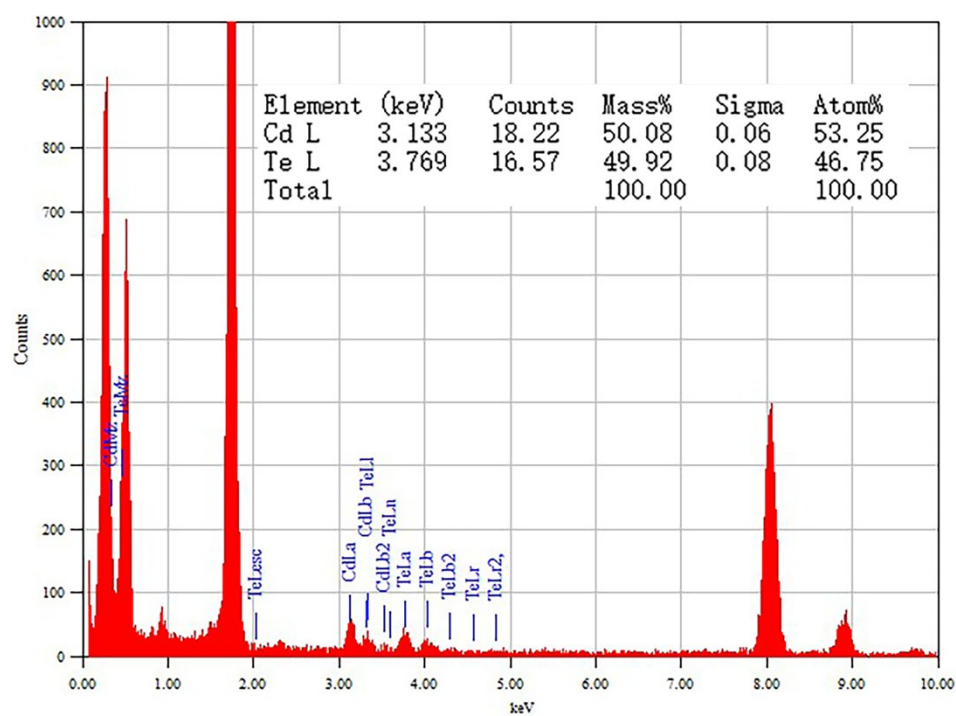


Fig. S3 EDX spectrum of the as-prepared CdTe NCs.

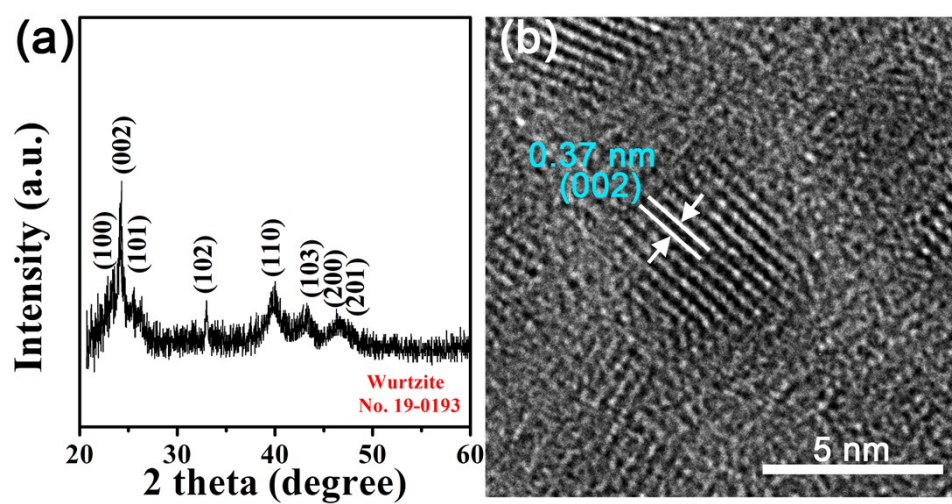


Fig. S4 (a)HRTEM images and (b) XRD pattern of the CdTe NCs obtained at 220 °C after 30 min.

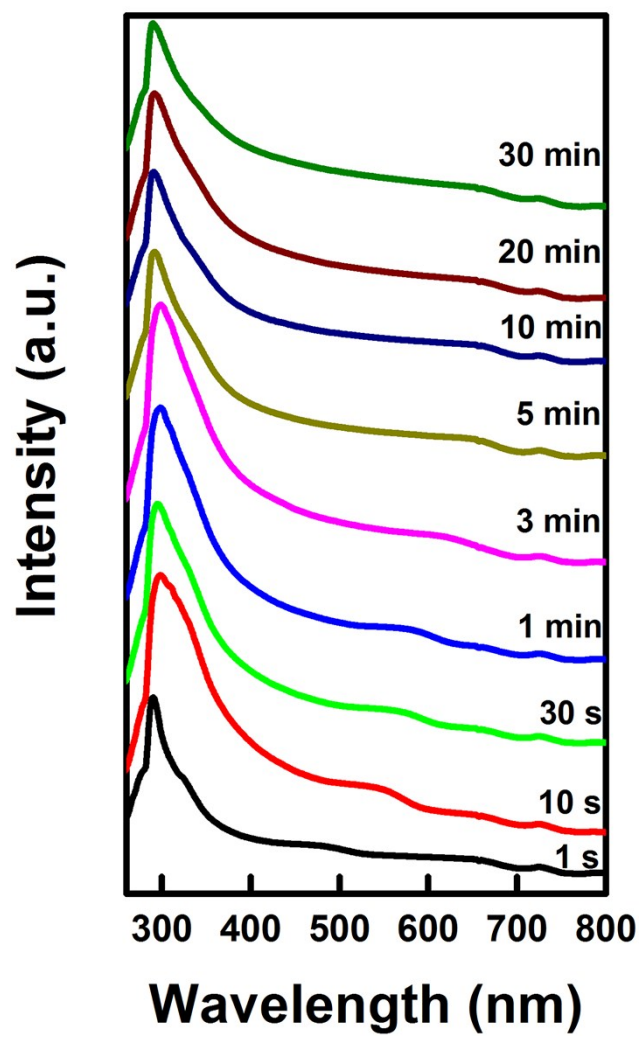


Fig. S5 UV-vis absorption spectra of CdTe NCs with the different reaction growth time.

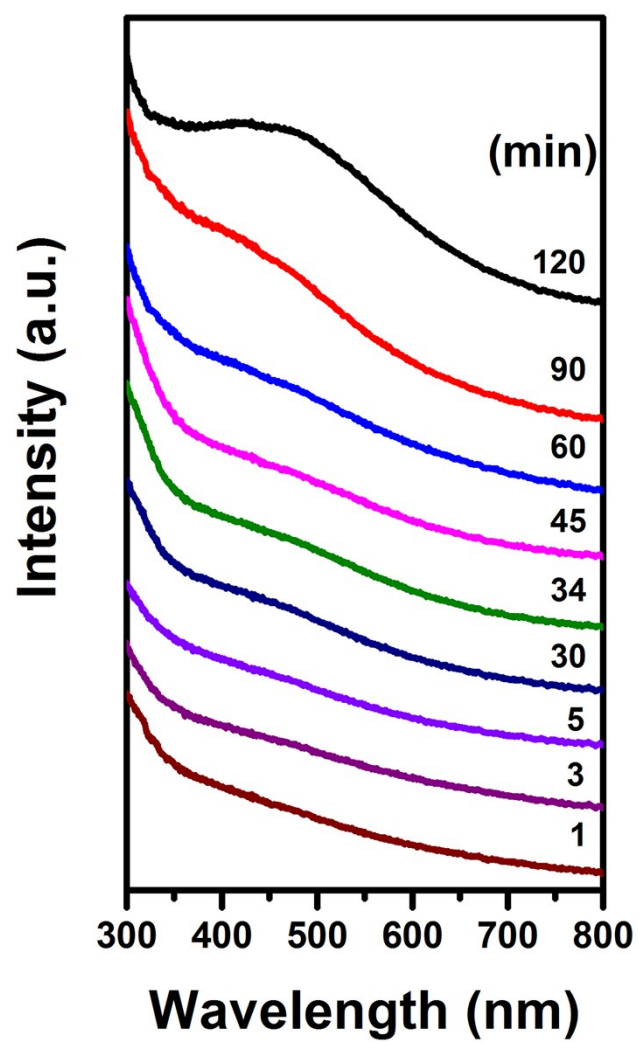


Fig. S6 UV-vis absorption spectra of Cu₂Te NCs with the different reaction growth time.