SUPPORTING INFORMATION

Solution Synthesis of Nanocrystalline $M$-Zn ($M = \text{Pd, Au, Cu}$) Intermetallic Compounds via Chemical Conversion of Metal Nanoparticle Precursors

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Figure S1. TEM micrographs showing (a) core/shell nanostructure in small and large particles of $\text{Cu}_5\text{Zn}_8$ product formed by converting Cu nanocrystals formed at lower temperatures (the shell is likely ZnO), and (b) $\text{Cu}_5\text{Zn}_8$ product converted from Cu nanocrystals formed at higher temperature, which minimizes small particles. EDS data for the $\text{Cu}_5\text{Zn}_8$ product in (b) shows the presence of both Cu and Zn.

Figure S2. Powder XRD (top: experimental, bottom: simulated) and SAED of $\text{Cu}_5\text{Zn}_8$ product converted from Cu nanocrystals formed at high temperature (Fig. S1b,c). The product XRD and SAED patterns are consistent with the simulated $\text{Cu}_5\text{Zn}_8$ XRD pattern, and no ZnO is observed.