Supporting Information

One-Pot Synthesis of Reverse Type-I In_2O_3@In_2S_3 Core-shell Nanoparticles

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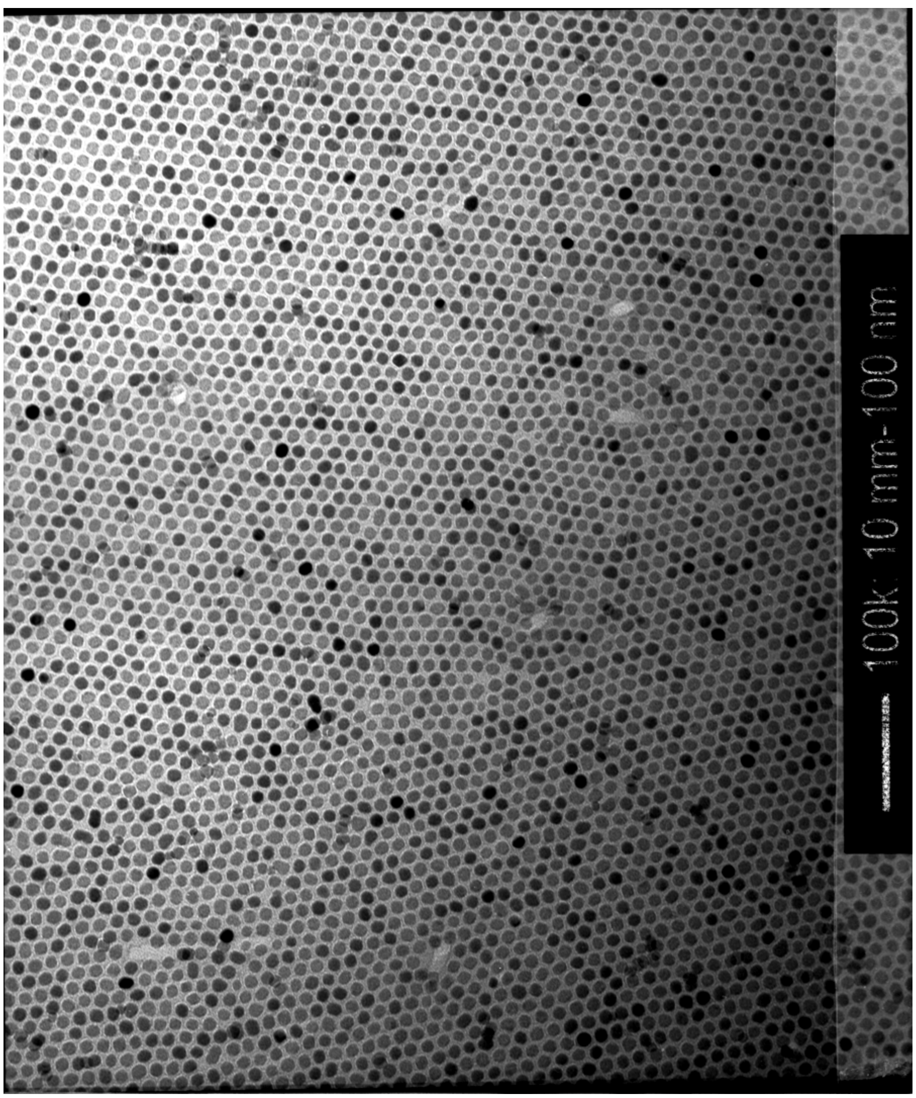

Figure S1a. TEM image of In_2O_3 core nanocrystals.

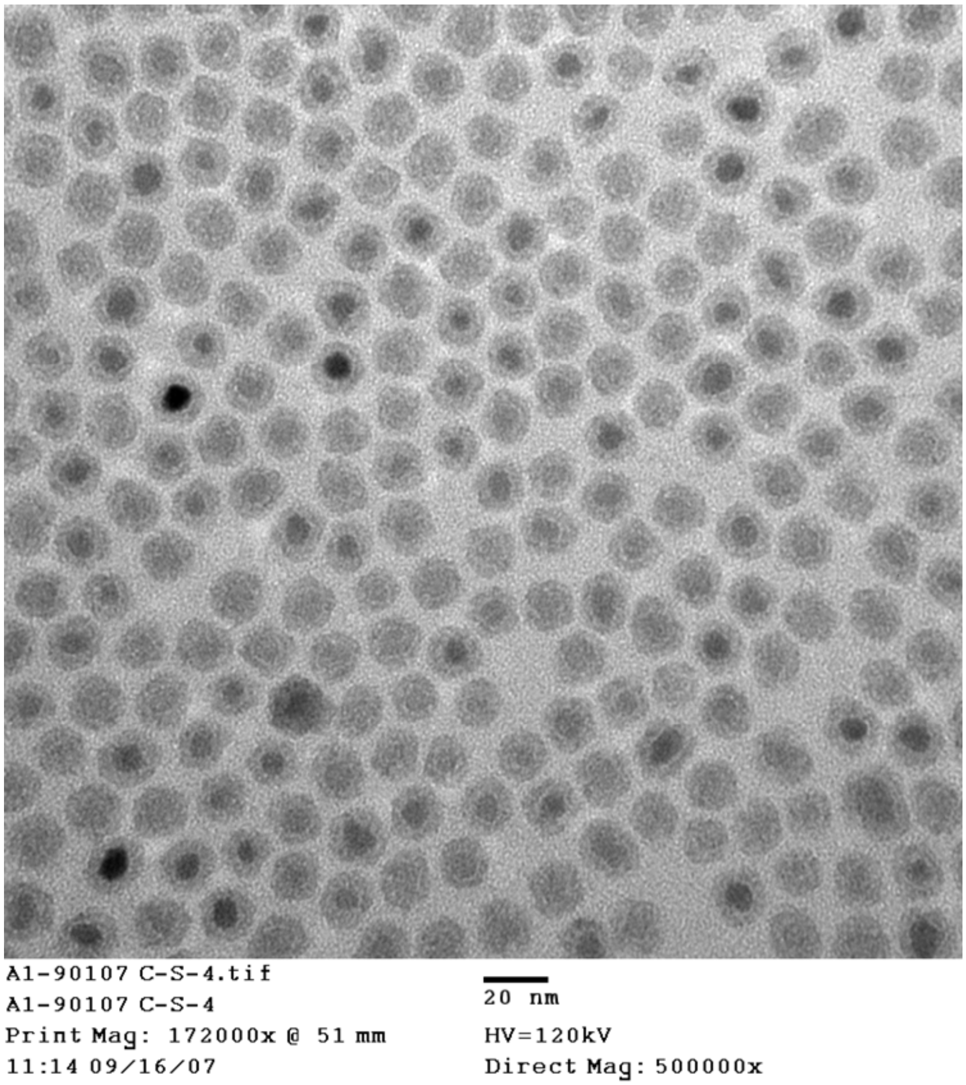

Figure S1b. TEM image of In_2O_3@In_2S_3 core-shell nanoparticles.

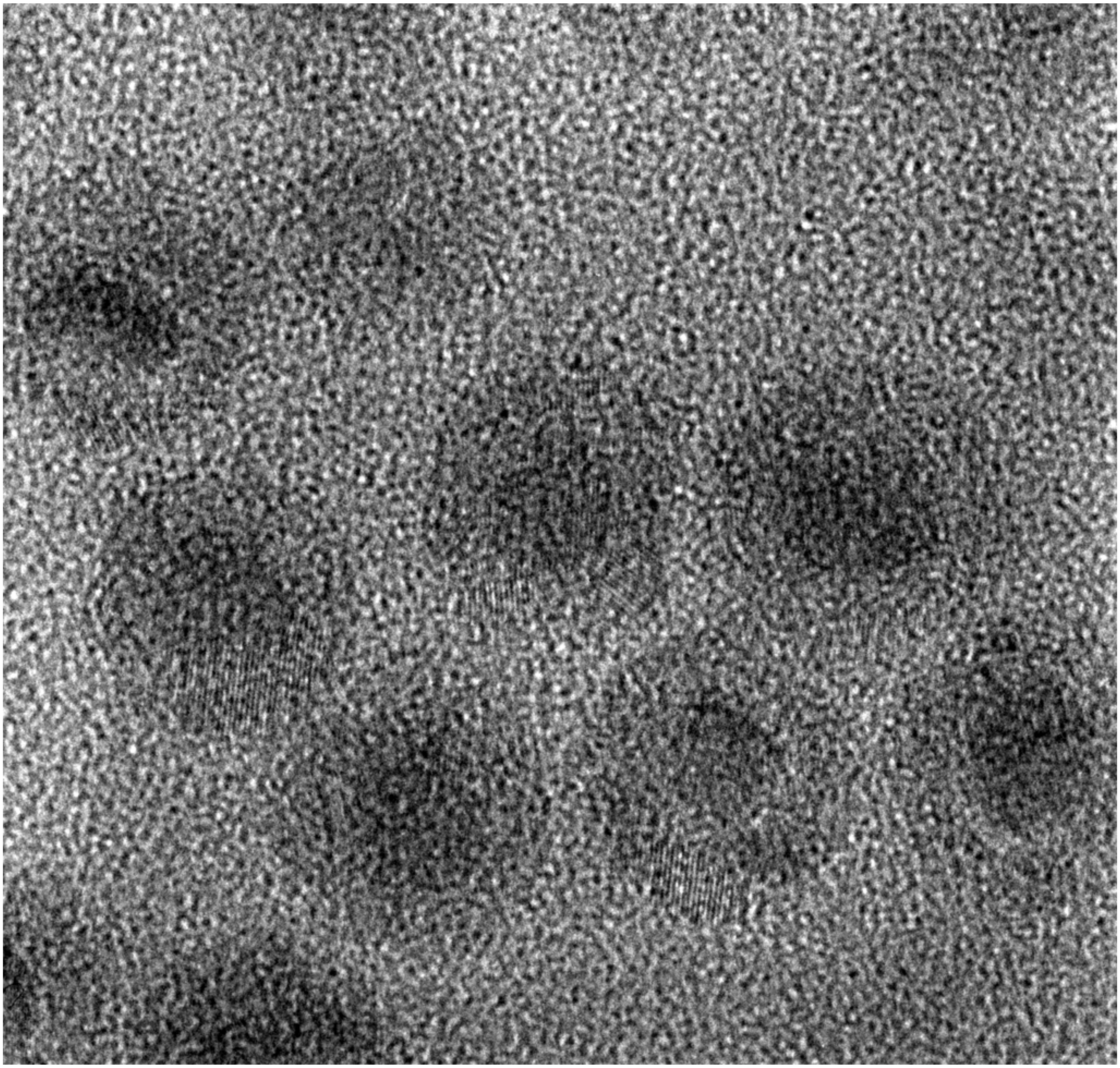

Figure S1c. High-resolution TEM image of In_2O_3-In_2S_3 nanoparticles.

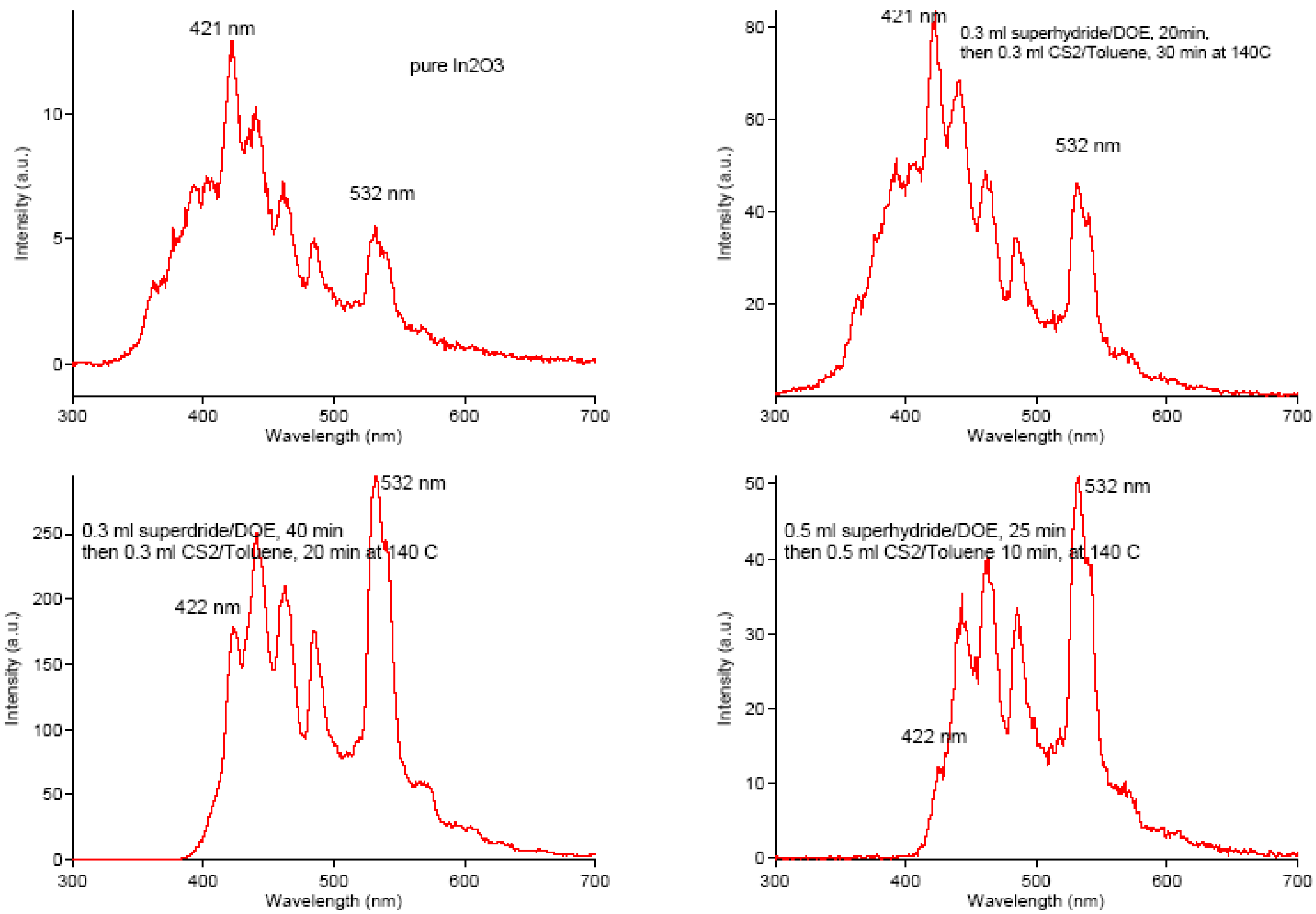

Figure S2. Photoluminescence spectra recorded with various reaction conditions, showing that the reduction step is more important than the sulfidization step for the formation of In_2S_3 shell.