

*Supplementary Materials*

# Copper–Cerium–Tin Oxide Catalysts for Preferential Oxidation of CO in Hydrogen: Effects of Synthesis Method and Copper Content

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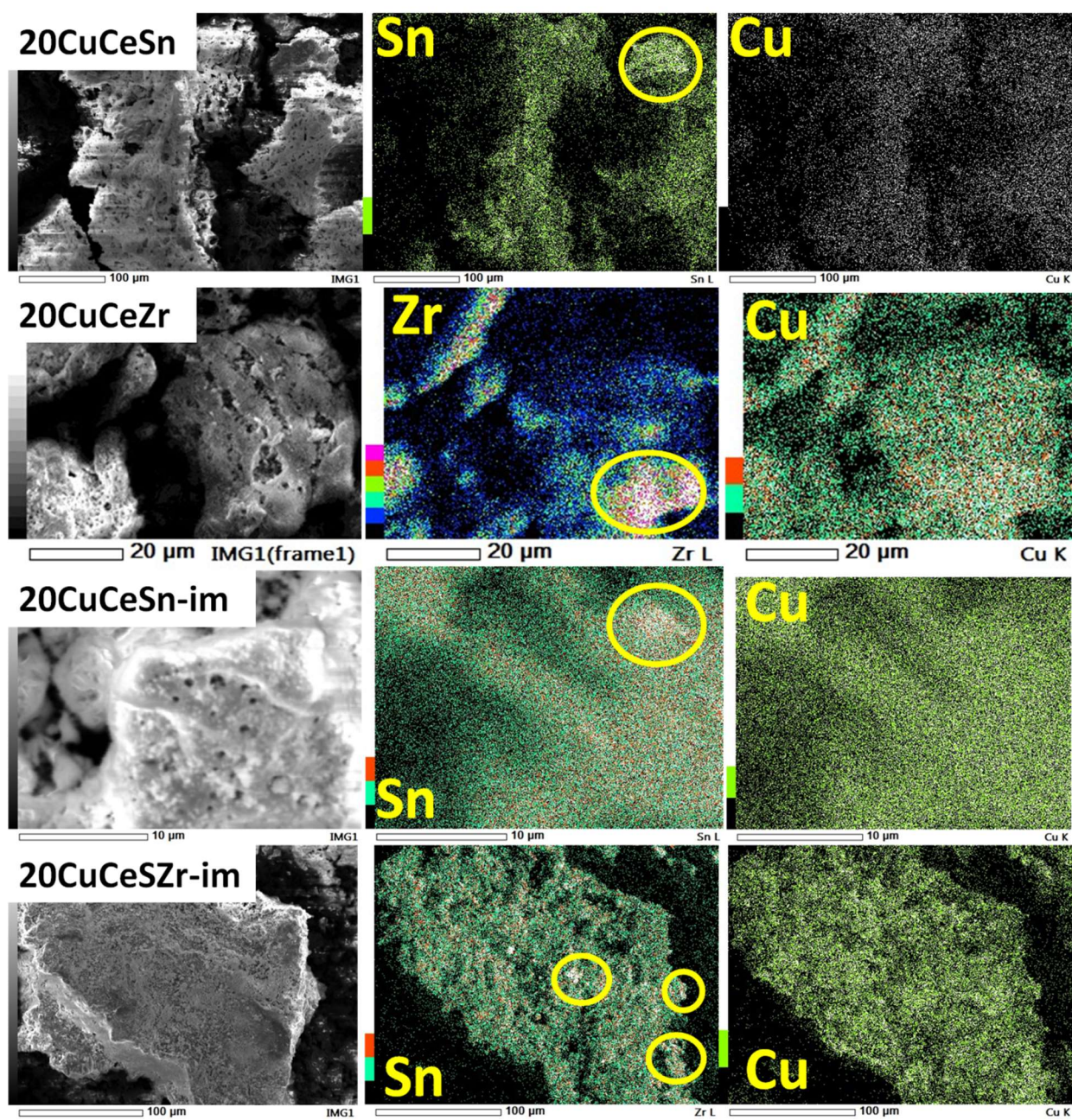


Figure S1. SEM images and EDX elemental mappings of CuCeSn and CuCeZr catalysts.

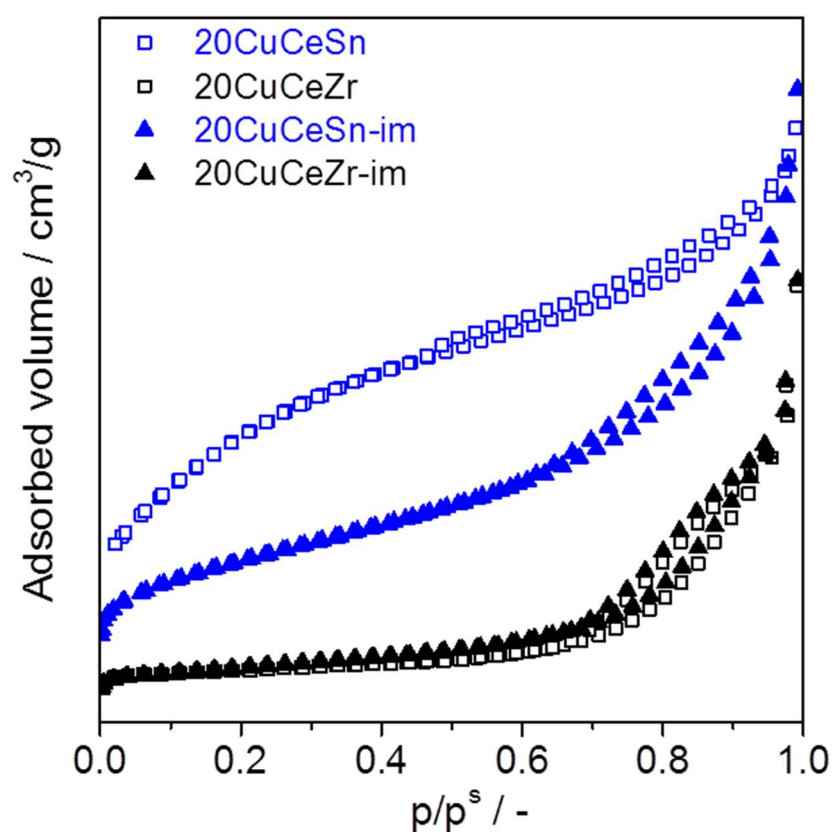
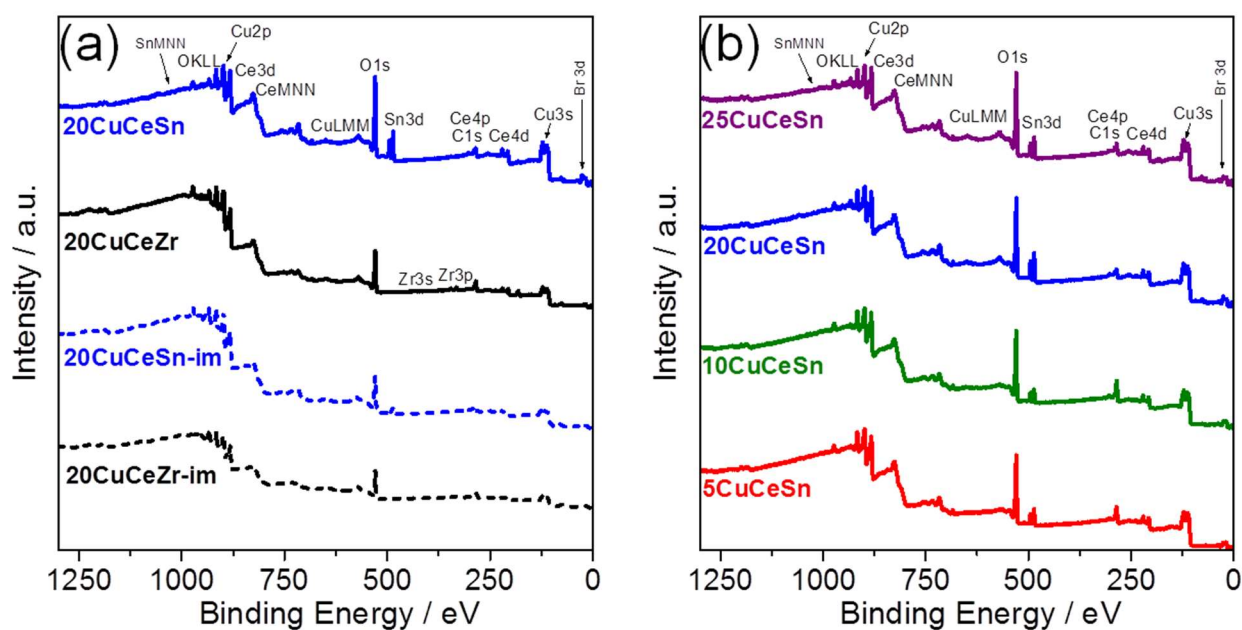
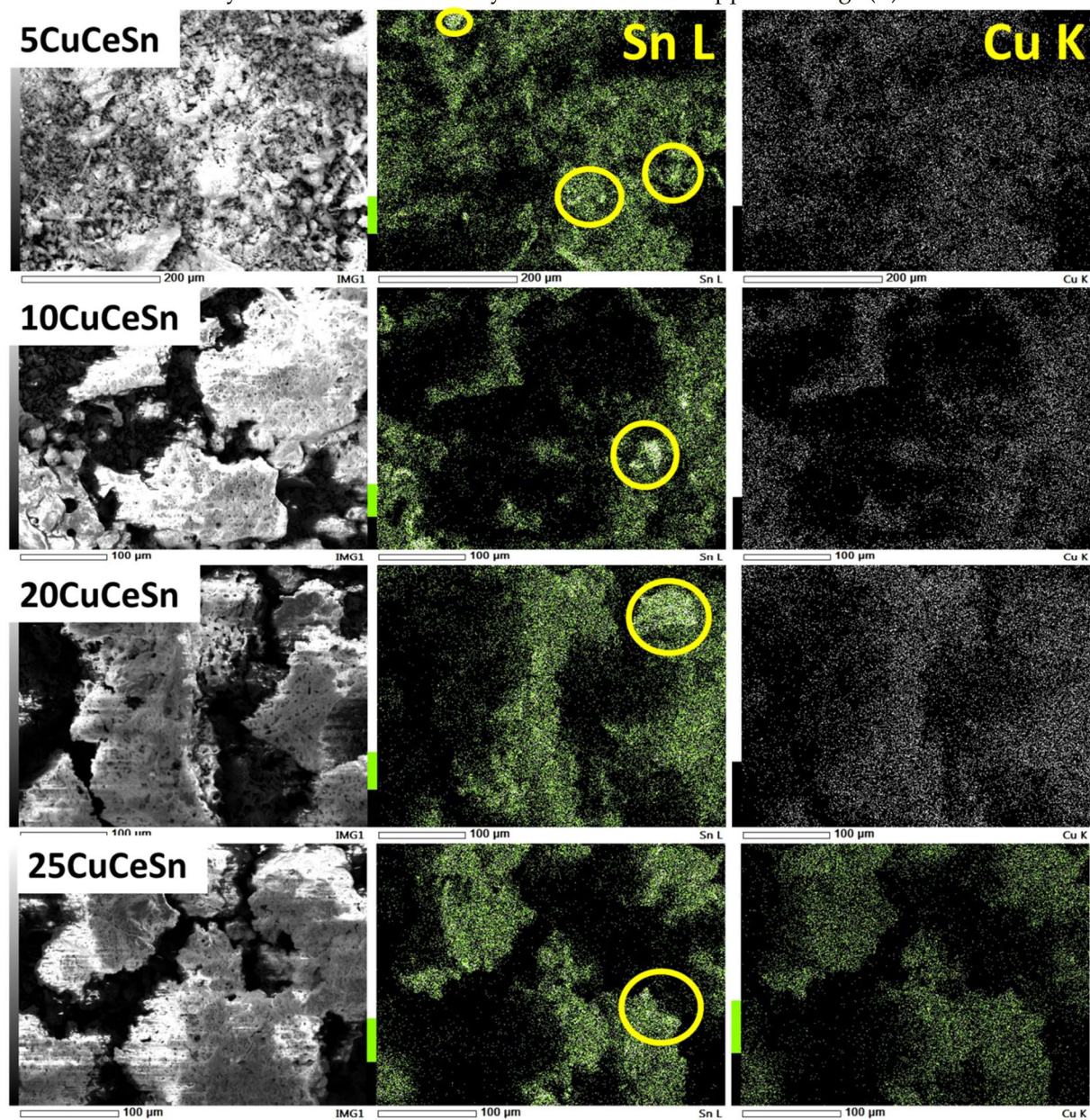


Figure S2. Low temperature nitrogen physisorption isotherms of one-pot synthesized and post-impregnated 20CuCeSn and 20CuCeZr catalysts.



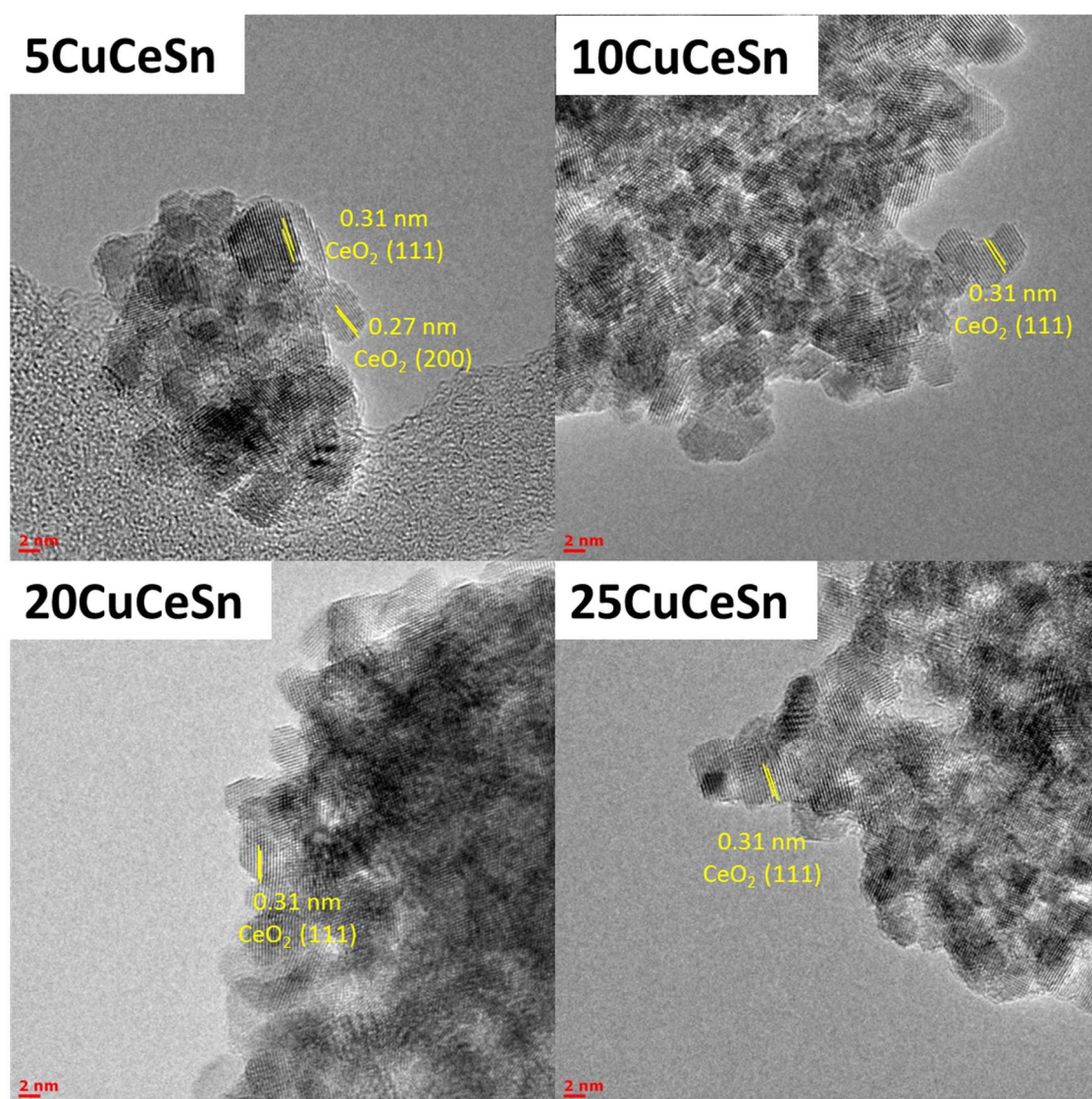


**Figure S3.** Survey XPS spectra of 20CuCeSn and 20CuCeZr catalysts prepared by different methods (a), and one-pot synthesized CuCeSn catalysts with different copper loadings (b).



**Figure S4.** SEM images and EDX mappings of one-pot synthesized CuCeSn catalysts with different copper contents.





**Figure S5.** HR-TEM images of one-pot synthesized CuCeSn catalysts with different copper contents.