

Supporting Information

Ligand Exchange Induced Crystal Structure and Morphology Evolution of Copper-Tin-Sulfur Binary and Ternary Compounds

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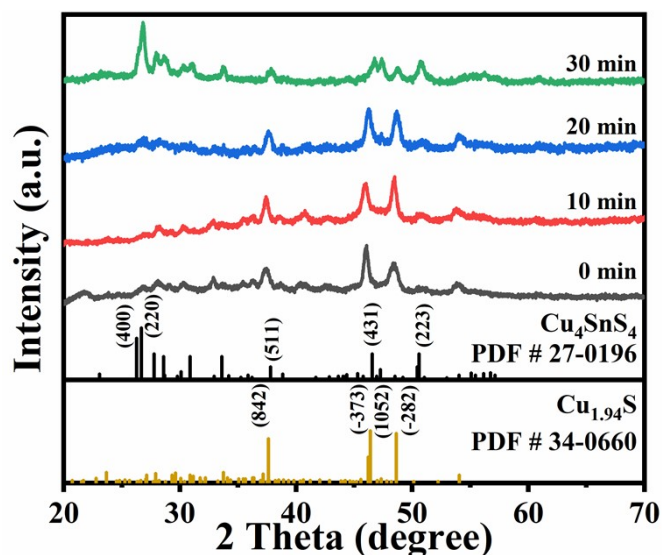


Fig. S1 XRD patterns of products reacted at 230 °C for different reaction times of 0-30 min.

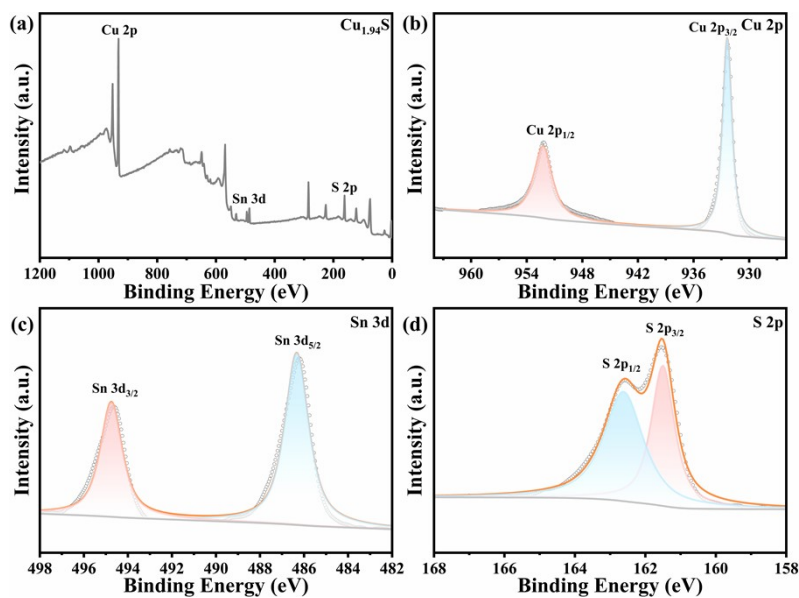


Fig. S2 XPS spectra of $\text{Cu}_{1.94}\text{S}$ composites: (a) survey spectrum, (b) Cu2p region, (c) Sn3d region and (d) S2p region.

Table S1 The ICP result for FA and $(\text{NH}_4)_2\text{S}$ solution after LE

Element	Volume V (mL)	Constant volume V_0 (mL)	Concentration C_0 (mg/L)	Original Concentration C_1 (mg/L)
Cu	2	10	8.683	43.4