

Supplementary Data for

A Low Temperature Solution Chemistry Process for Fluoride Salt (NaF) Waste Immobilization into Metal Halide Perovskite Structured Na_2SnF_6

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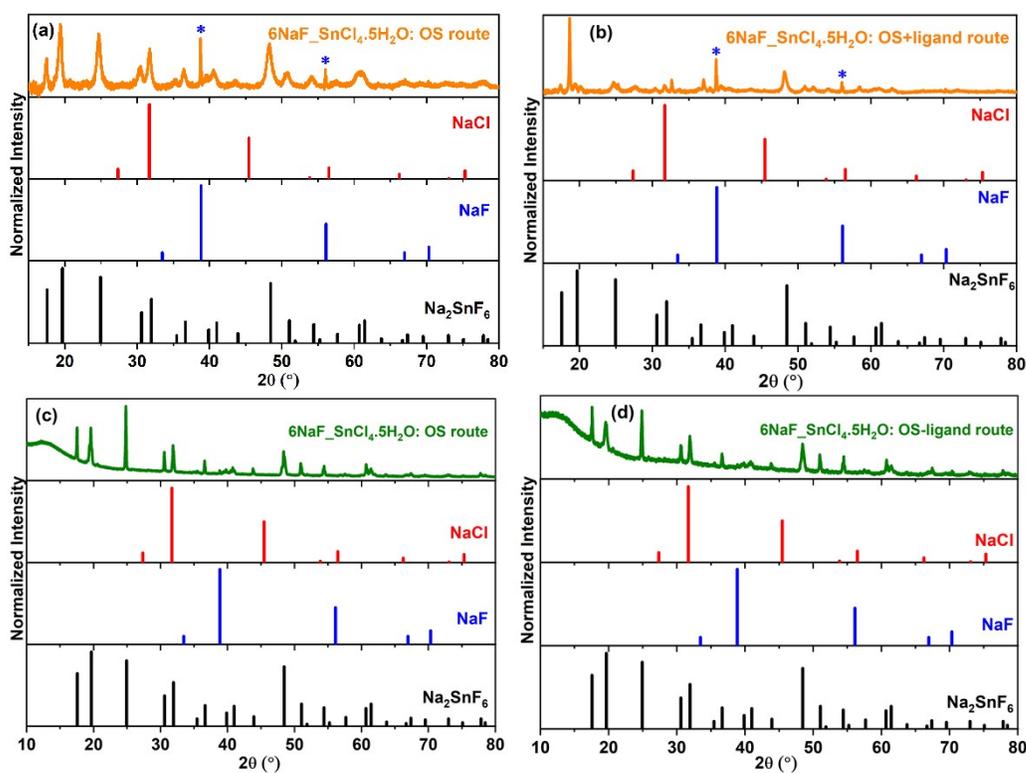


Fig.S1. XRD patterns of Na_2SnF_6 synthesized at 60 °C through **(a and c)** OS and **(b and d)** OS-ligand route. To complete the immobilization of residual unreacted NaF in **Fig.S1 (a and b)**, product, additional reaction was conducted to further react with additional 20% $\text{SnCl}_4 \cdot 5\text{H}_2\text{O}$ and shown in **Fig.S1 (c and d)**.

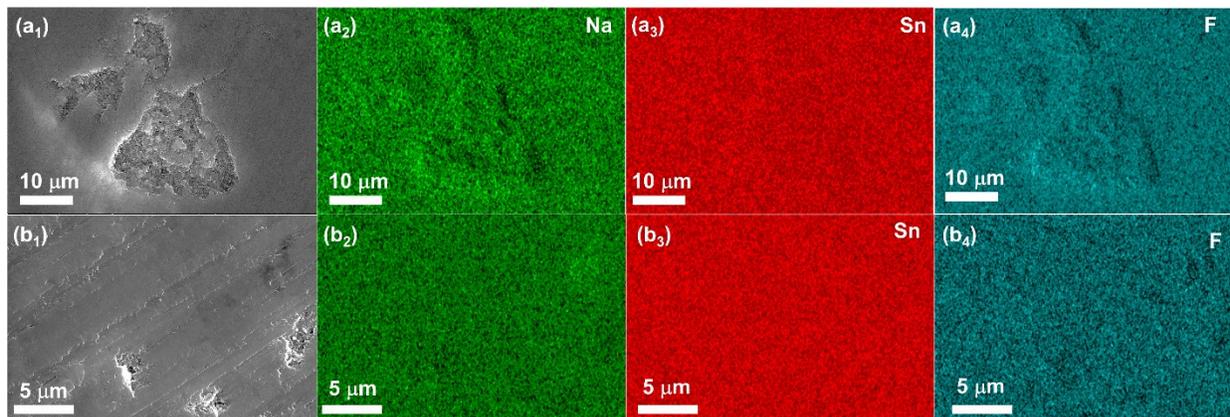


Fig. S2 EDS elemental mapping of Na, Sn, and F in densified pellets through a CSP-SPS process for Na_2SnF_6 synthesized at RT through; **(a₁-a₄)** OS-route and **(b₁-b₄)** OS-ligand route.