

## Supplementary Materials

# Fabrication of Sn(IV)porphyrin-Imbedded Silica Aerogel Composite

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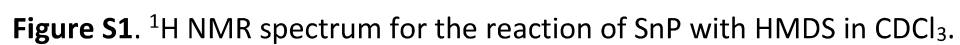
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**Scheme S1.** Chemical reaction of SnP with HMDS.

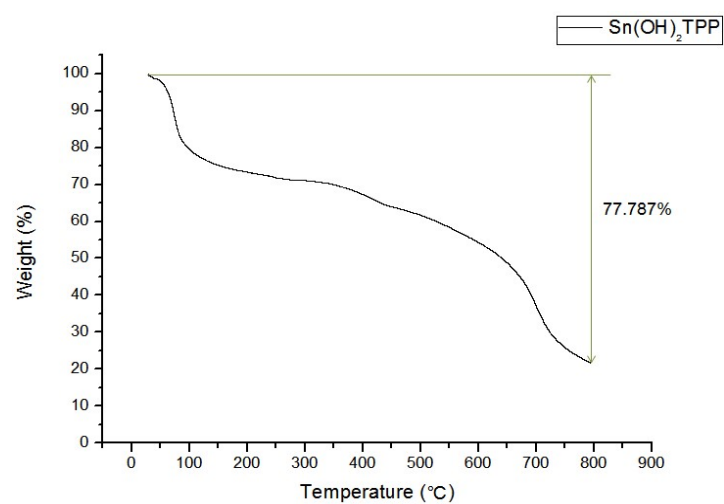
**Figure S1.**  $^1\text{H}$  NMR spectrum for the reaction of SnP with HMDS in  $\text{CDCl}_3$ .

**Figure S2.** TGA curves for SnP (a), SiA (b), and SnP@SiA (c).

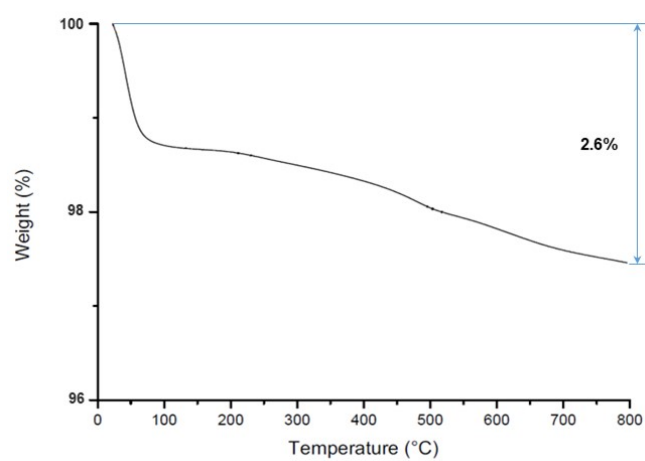
**Figure S3.** FT-IR spectra of SnP, SiA, SnP@SiA, and TMS@SiA (KBr pellets).



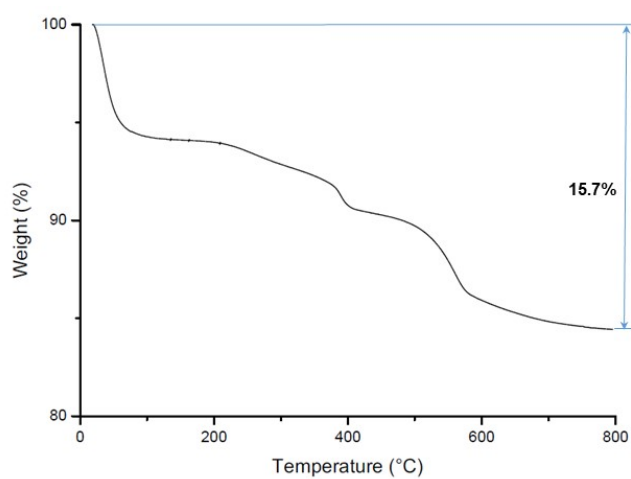
(a)



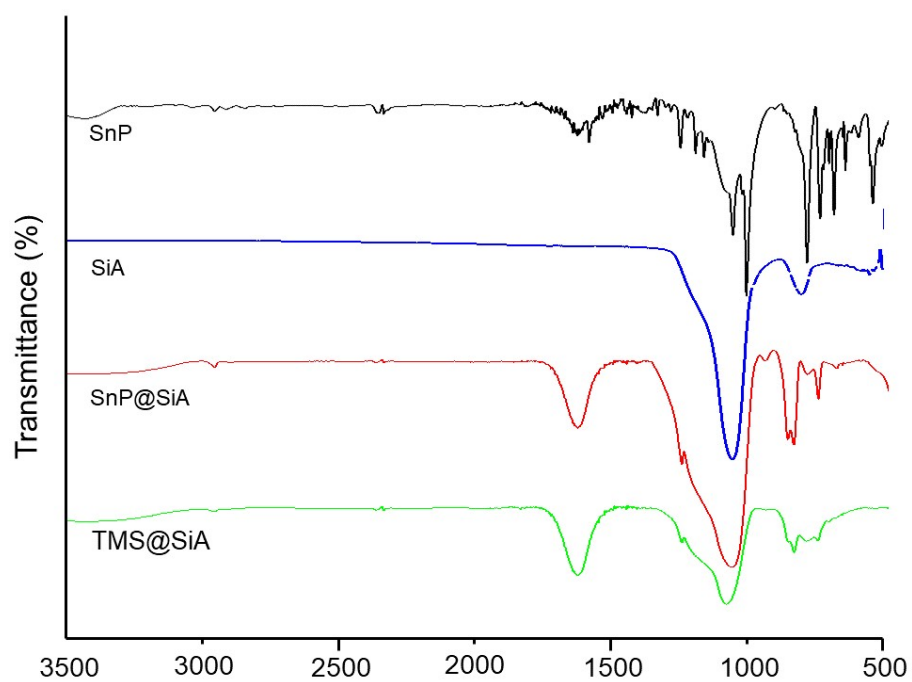
(b)



(c)



**Figure S2.** TGA curves for SnP (a), SiA (b), and SnP@SiA (c).



**Figure S3.** FT-IR spectra of SnP, SiA, SnP@SiA, and TMS@SiA (KBr pellets).