

Supplementary Information

Bismuth metal organic framework-derived Bi₂Se₃@C for high performance supercapacitors

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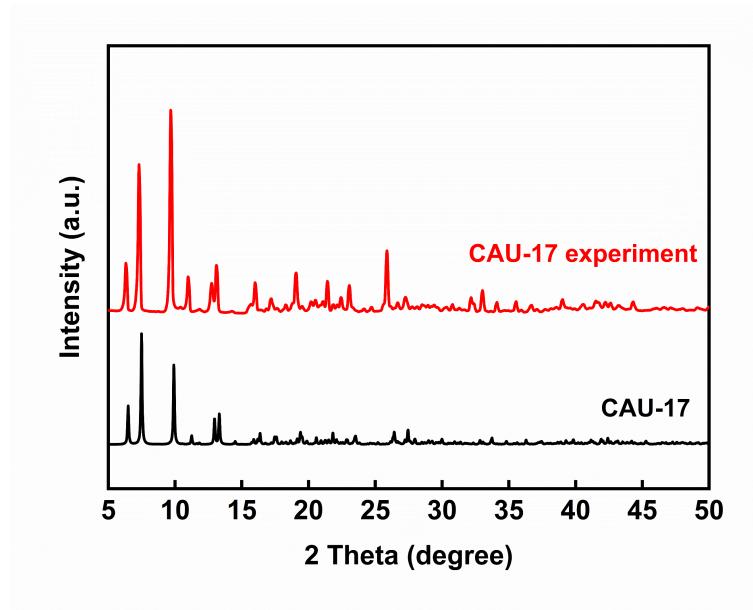


Fig. S1 XRD pattern of synthesized CAU-17.

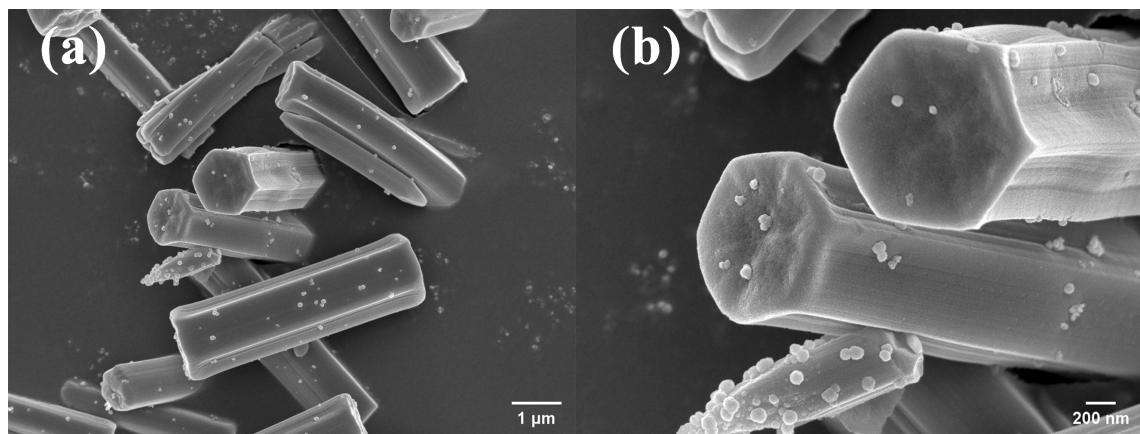


Fig. S2 SEM images of synthesized CAU-17.

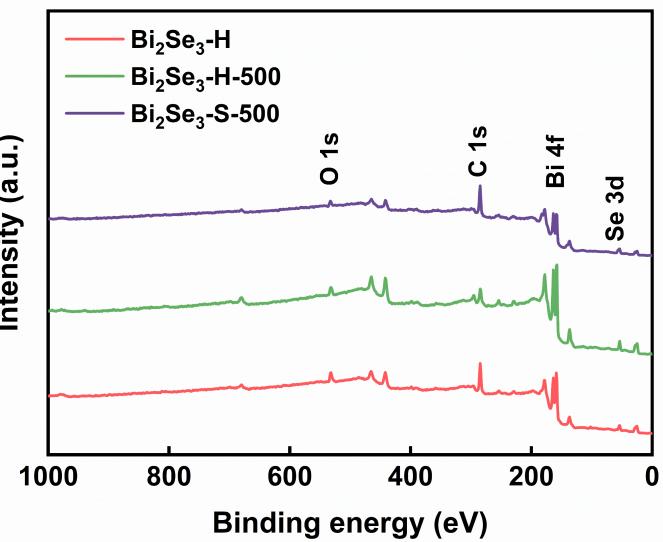


Fig. S3 XPS survey spectrum of $\text{Bi}_2\text{Se}_3\text{-H}$, $\text{Bi}_2\text{Se}_3\text{-H-500}$ and $\text{Bi}_2\text{Se}_3\text{-S-500}$.

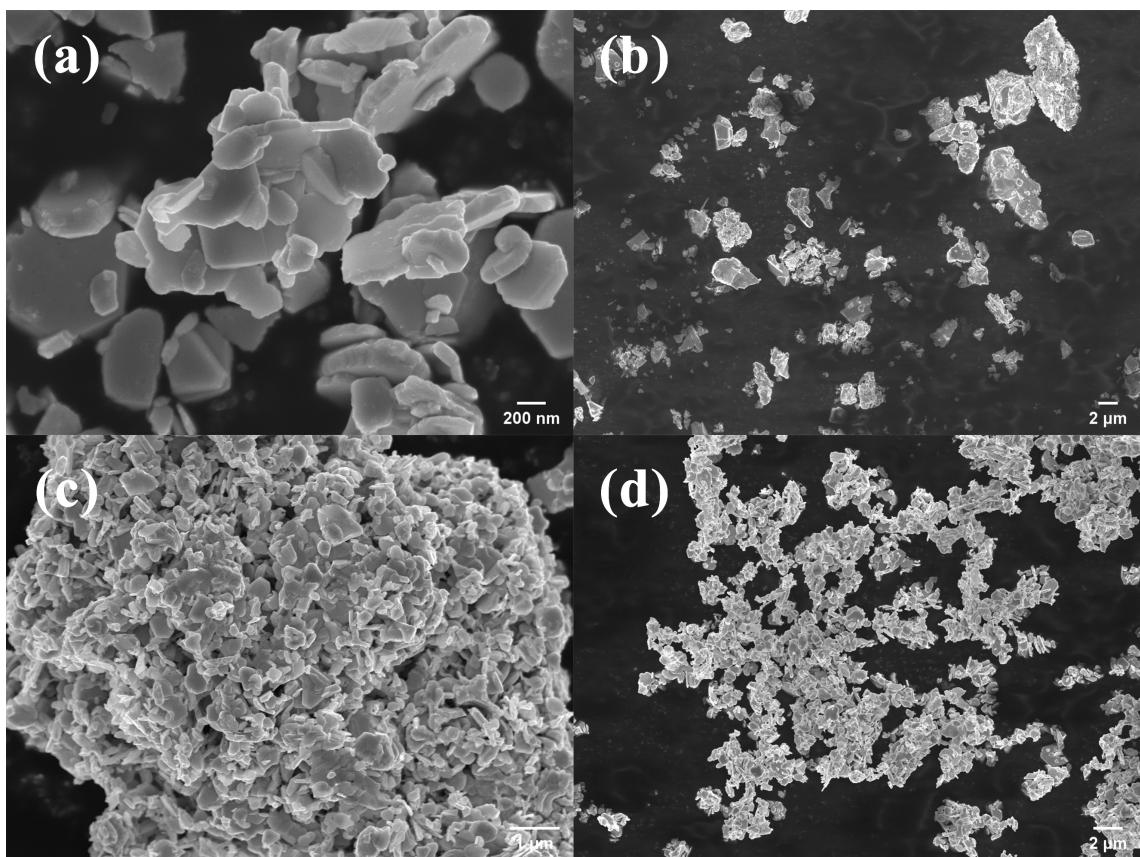


Fig. S4 SEM images of (a-b) $\text{Bi}_2\text{Se}_3\text{-H-400}$ and (c-d) $\text{Bi}_2\text{Se}_3\text{-H-600}$.

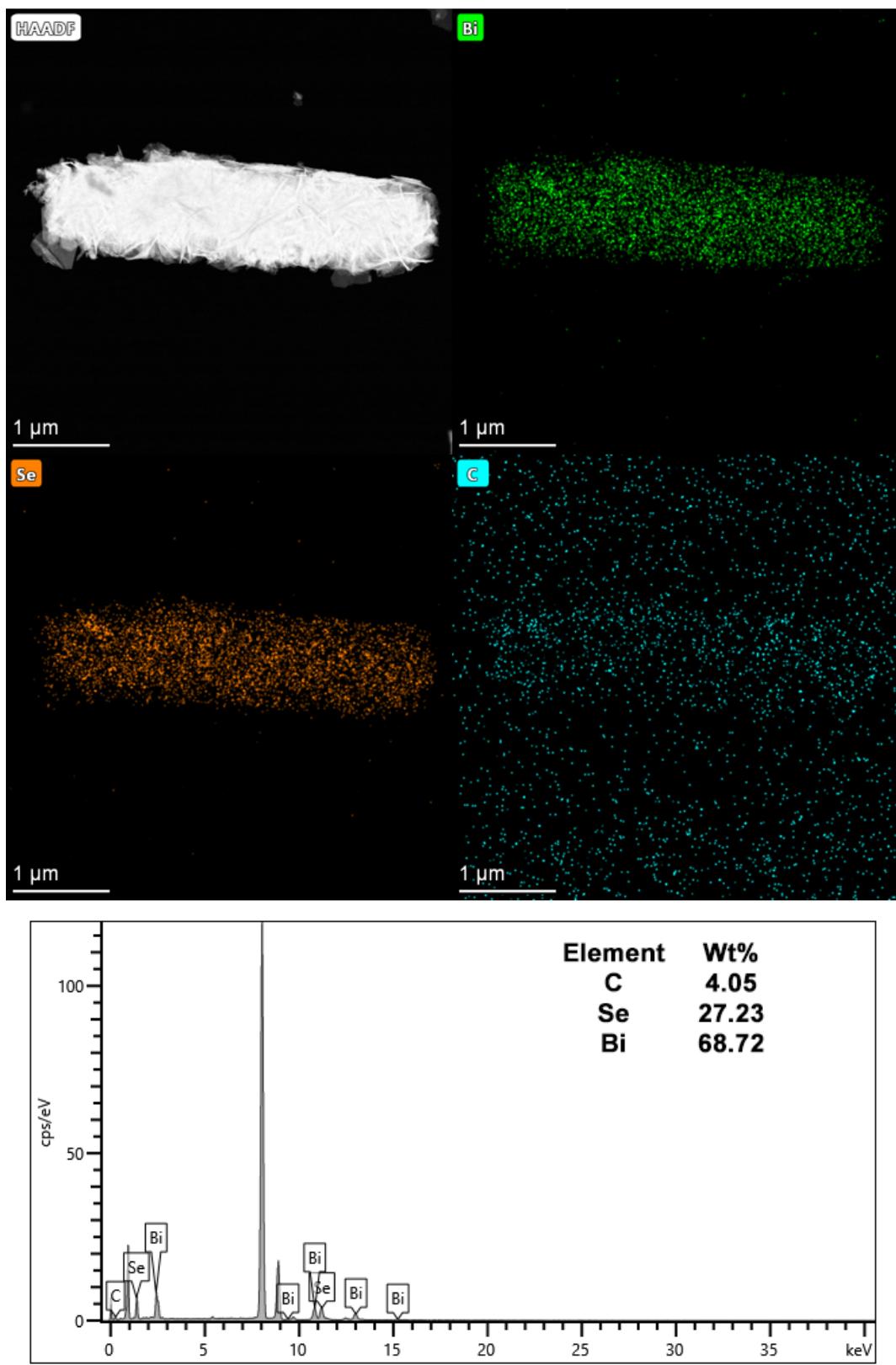


Fig. S5 (a) Elements mappings of Bi_2Se_3 -H. (b) EDS spectrum of Bi_2Se_3 -H-500.

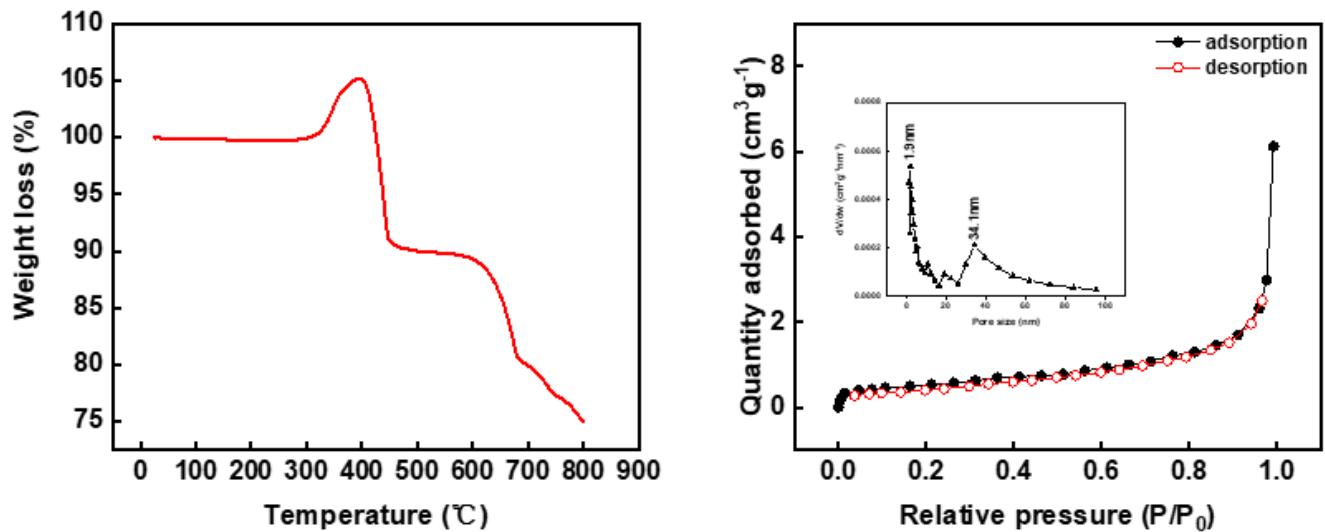


Fig. S6 (a) TGA characterizations of Bi_2Se_3 -H-500. (b) N_2 adsorption/desorption isotherms of Bi_2Se_3 -H-500 and the pore size distribution of inset picture.

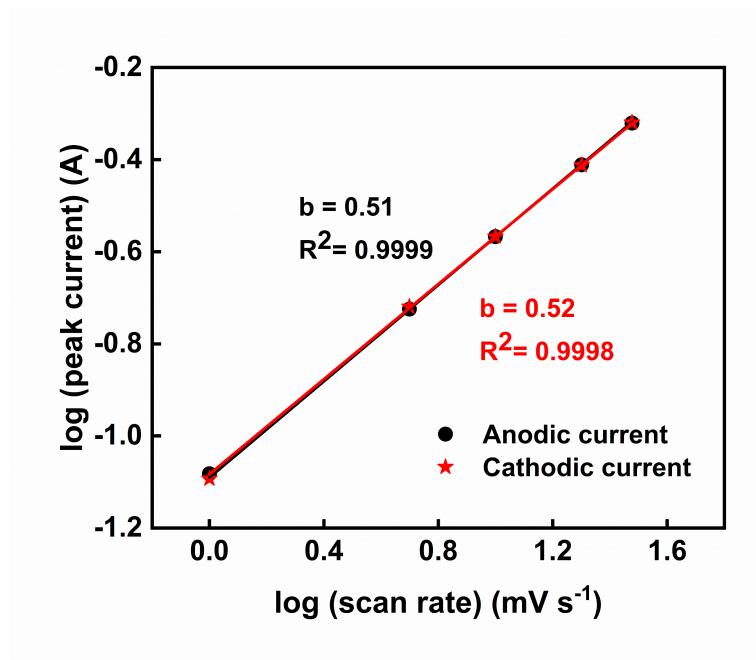


Fig. S7 The plots of $\log(i)$ against $\log(v)$ for Bi_2Se_3 -H-500.

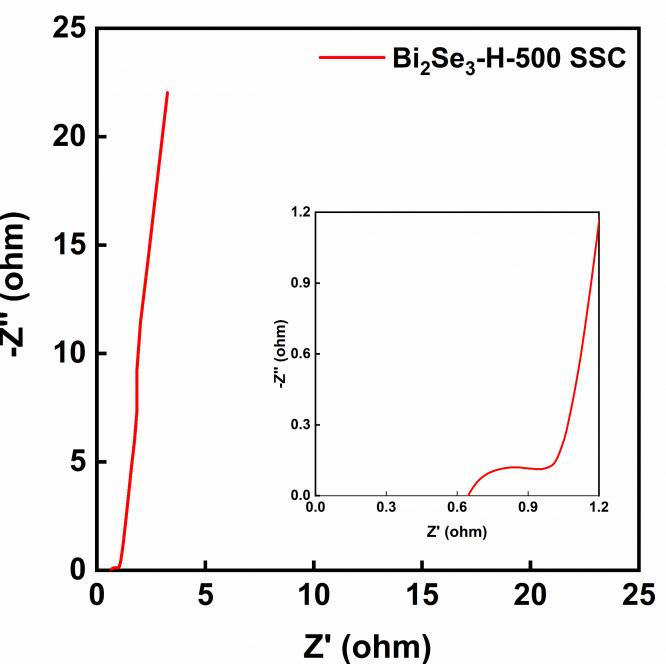


Fig. S8 EIS Nyquist plots of the Bi_2Se_3 -H-500 electrode.