Electronic Supplementary Information for

Synthesis of hierarchal Bi$_2$S$_3$ nanoflowers via a topotactic transformation from hierarchal Bi$_2$WO$_6$ nanoflowers and their supercapacitor performance

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FIGURE

![Graph showing adsorption-desorption isotherms of Bi$_2$S$_3$ and Bi$_2$WO$_6$.]

Fig. S1 Adsorption-desorption isotherms of both Bi$_2$S$_3$ and Bi$_2$WO$_6$.

The N$_2$ adsorption-desorption isotherm for both Bi$_2$S$_3$ and Bi$_2$WO$_6$ are characteristic of a type IV isotherm with a type H1 hysteresis loop according to Brunauer-Deming-Deming-Teller (BDDT) classification, and the BET surfaces area of Bi$_2$S$_3$ and Bi$_2$WO$_6$ are 20.0 m$^2$ g$^{-1}$ and 45.4 m$^2$ g$^{-1}$, respectively.