

Electronic supplementary information

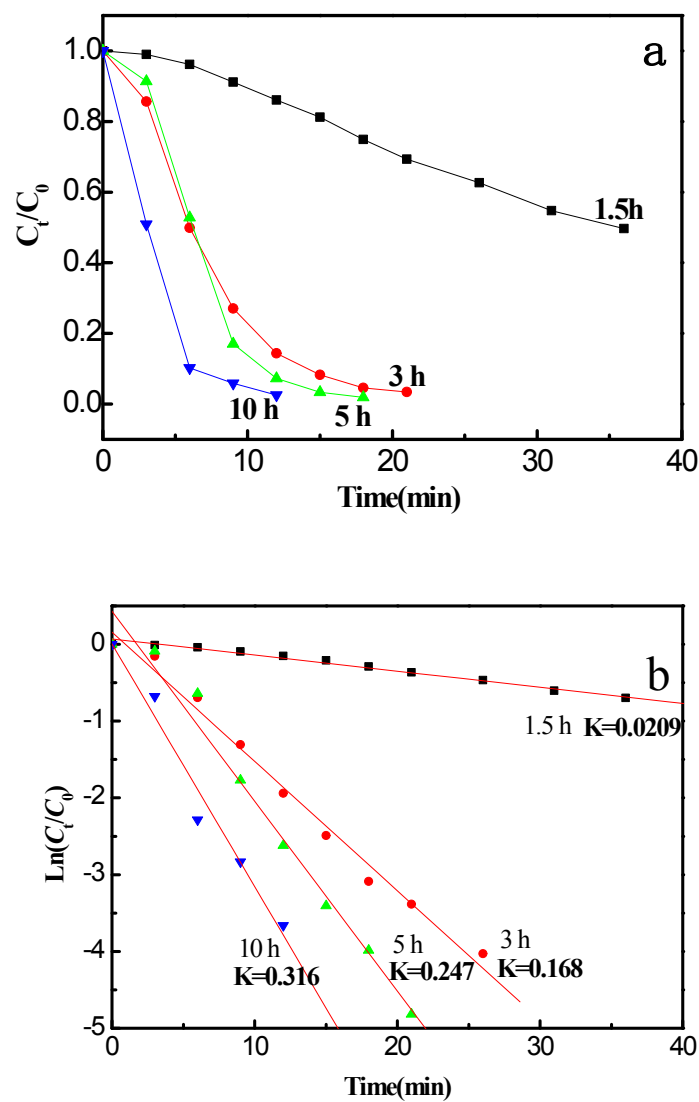


Fig. 1S Plot of (a) (c_t/c_0) versus reaction time and (b) $\ln(c_t/c_0)$ versus reaction time in the presence of the Sb_2Se_3 for different hydrothermal times

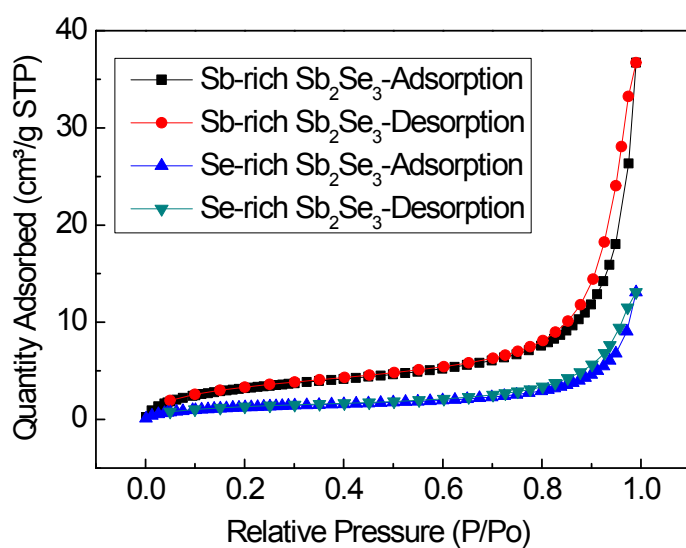


Fig. S2 N_2 adsorption–desorption isotherms of Sb-rich Sb_2Se_3 and Se-rich Sb_2Se_3 samples

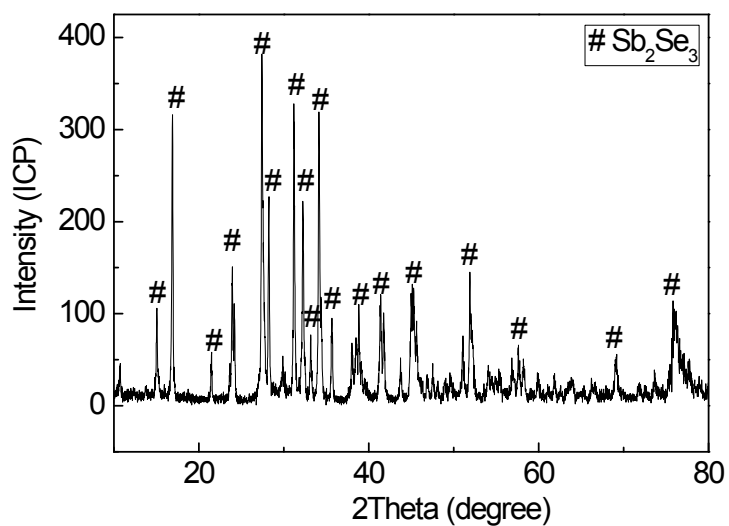


Fig. S3 XRD pattern of Sb_2Se_3 sample synthesized by a hydrothermal method at 180 °C with the ratio of Sb/Se 1:1.5 for 10 h

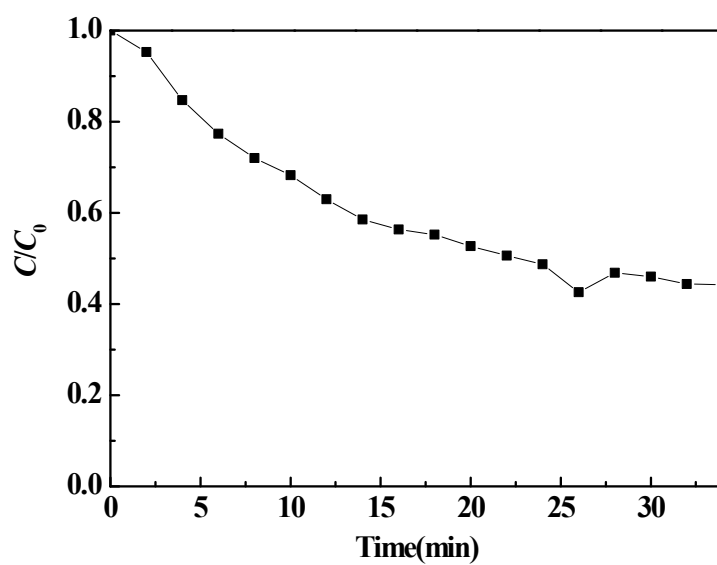


Fig. S4 Plot of (c_t/c_0) versus reaction time in the presence of the Sb_2Se_3 synthesized by a hydrothermal method at 180 °C with the ratio of Sb/Se 1:1.5 for 10 h