

Solvothermal synthesis and growth mechanism of ultrathin Sb_2Te_3 hexagonal nanoplates with thermoelectric transport properties†

Rencheng Jin, Gang Chen,* Jian Pei, Haiming Xu, and Zu Shun Lv

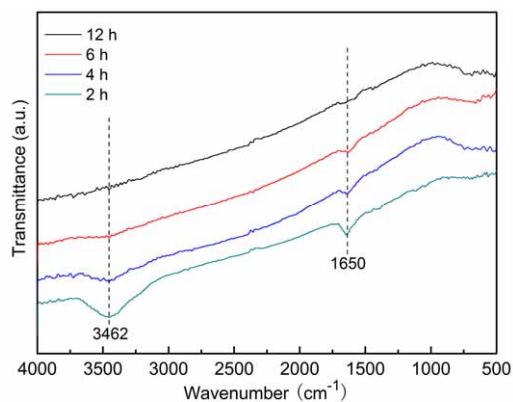


Fig. S1 FT-IR spectra of the products collected at different time intervals.

Table S1 The pH values of the solution with different volume ratio of ethanediamine and water.

Ethanediamine/water	2/28	5/25	10/20	15/15	20/10	25/5
Before solvothermal	10.8	11.7	12.1	12.6	13.2	13.7
After solvothermal	11.6	11.9	12.4	12.7	13.4	13.9

Table S2 The density of the pellets with different sizes.

Size (nm)	500	60	40
Density(%)	86.4	84.9	84.6