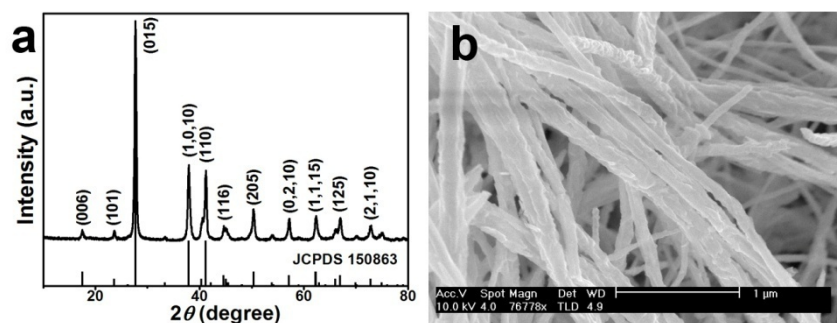


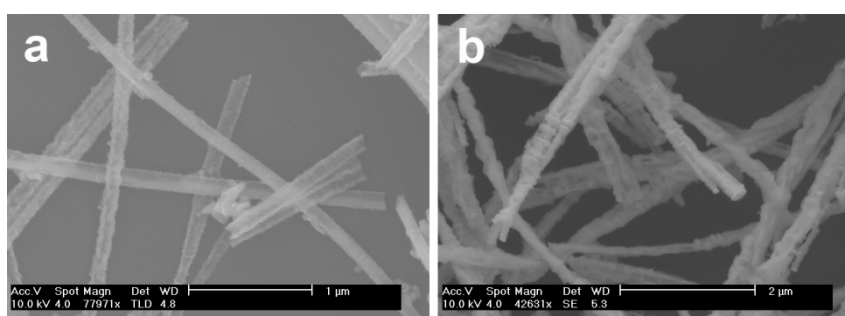
## Supporting Information

### Synthesis of highly crystalline $\text{Bi}_2\text{Te}_3$ nanotubes and their enhanced thermoelectric properties

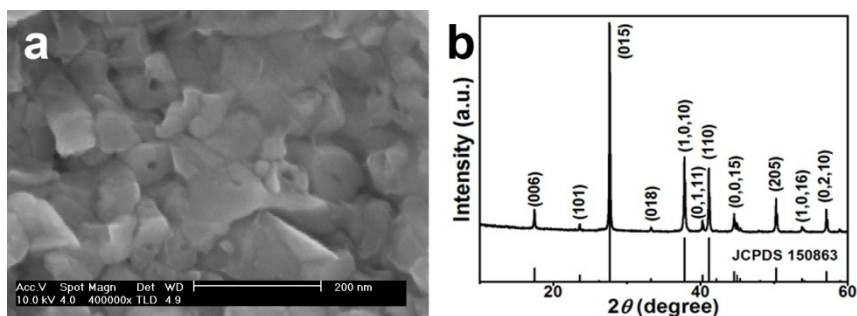
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**Fig. S1** (a) XRD pattern and (b) SEM image of  $\text{Bi}_2\text{Te}_3$  nanotubes after a reaction time of one day in the absence of PVP.



**Fig. S2** (a)  $\text{Bi}_2\text{Te}_3$  nanotubes and (b) nanorods synthesized by a two-step reaction using Te nanorods as precursor with and without PVP, respectively.



**Fig. S3** (a) SEM image and (b) XRD pattern of the compressed  $\text{Bi}_2\text{Te}_3$  pellet.