

Supplementary Information:

**Effect of Temperature on Thermoelectric Properties of n-Type Bi_2Te_3
Nanowire/Graphene Layer-by-Layer Hybrid Composites**

Hyun Ju and Jooheon Kim*

School of Chemical Engineering & Materials Science,
Chung-Ang University, Seoul 156-756, Republic of Korea

*Corresponding author: jooheonkim@cau.ac.kr (J. Kim)

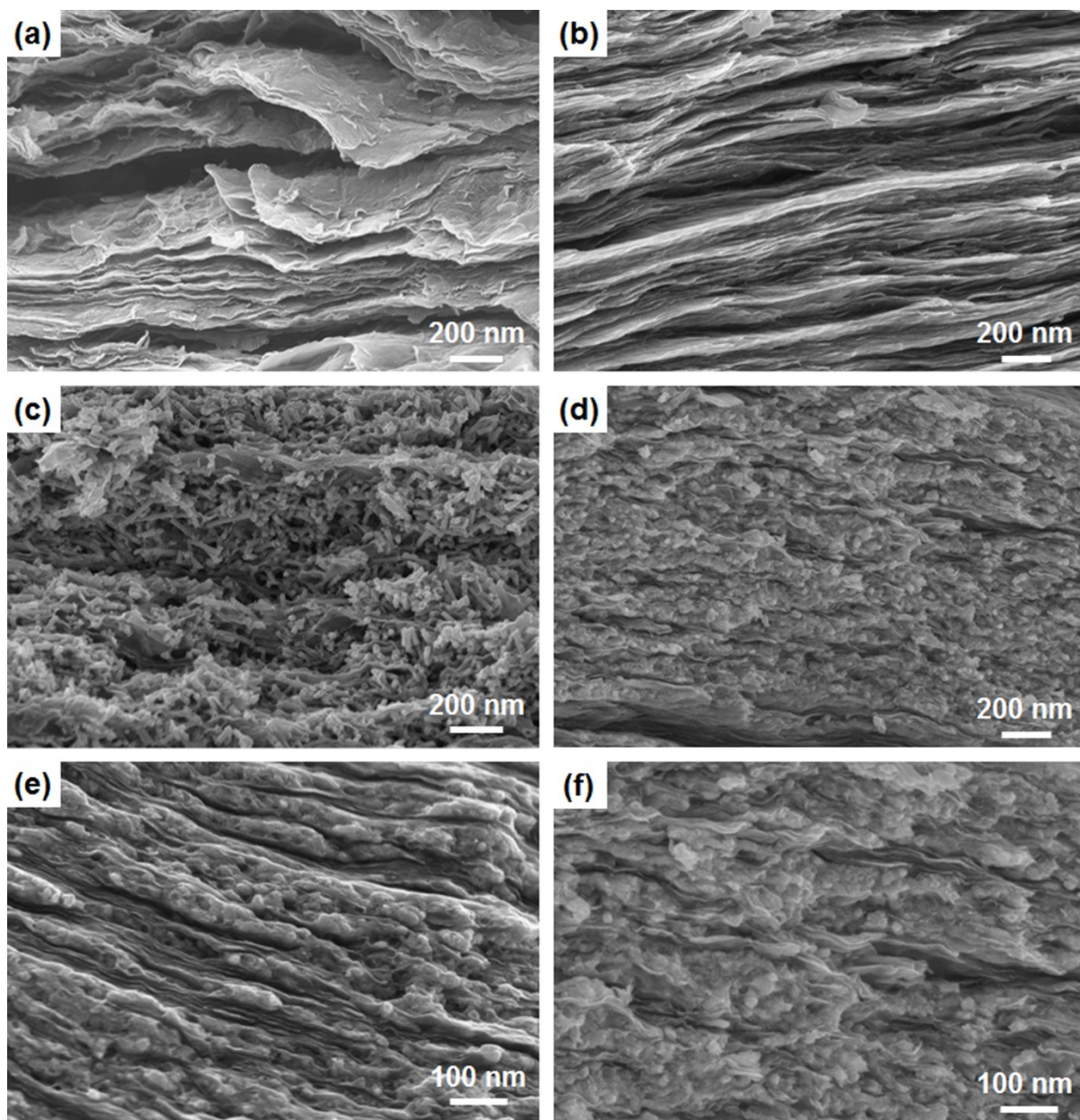


Fig. S1. Cross-sectional FE-SEM images of the pristine graphene sample (a) before and (b) after the sintering process. Cross-sectional FE-SEM image of (c) the synthesized Bi_2Te_3 nanowire/graphene composite before sintering. (d) Low-magnification and (e,f) high-magnification FE-SEM images of synthesized composite sample sintered at 623 K.

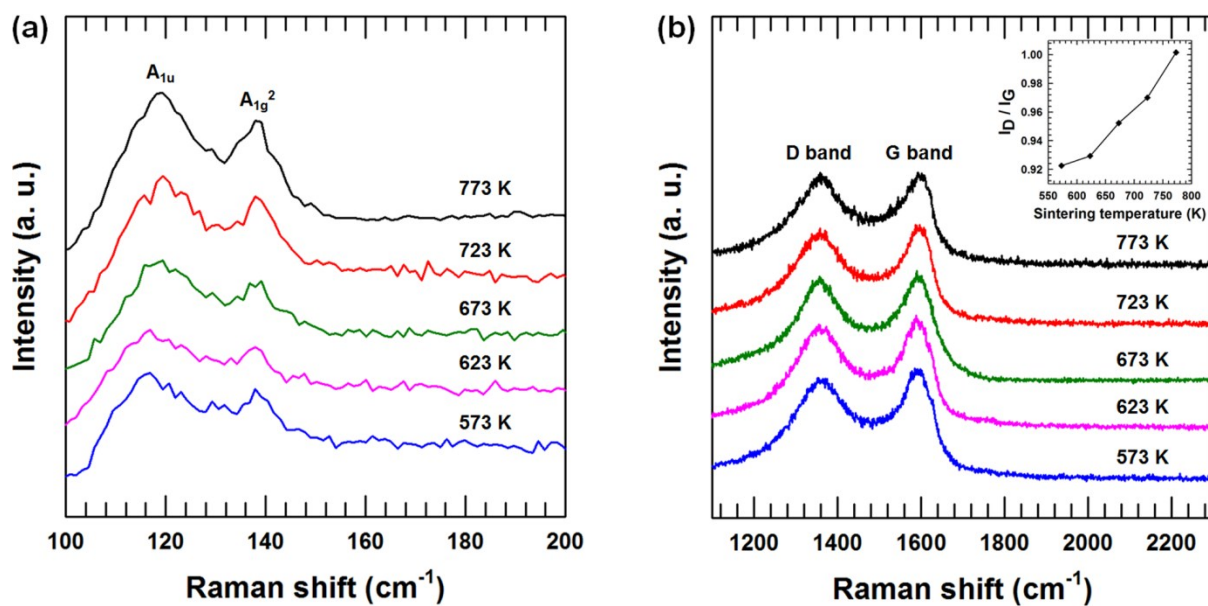


Fig. S2. Raman spectra of Bi_2Te_3 nanowire/graphene composites for different sintering temperatures in the (a) Bi_2Te_3 region (100 to 200 cm^{-1}) and the (b) graphene region (1,100 to 2,300 cm^{-1}).