

SUPPORTING INFORMATION

Thermoelectric Characteristics of Sb₂Te₃ Thin Films Formed via Surfactant-Assisted Electrodeposition

In-Joon Yoo^{a,b}, Youngsup Song^a, Dong Chan Lim^a, Nosang V. Myung^c, Kyu Hyoung Lee^d, Minju Oh^e, Dongyun Lee^e, Yang Do Kim^b, Seil Kim^f, Yong-Ho Choa^f, Joo Yul Lee^a, Kyu Hwan Lee^a, and Jae-Hong Lim^{a*}

^a*Electrochemistry Department, Korea Institute of Materials Science, Changwon 641-010, Korea*

^b*School of Materials Science and Engineering, Pusan National University, Busan 609-735, Korea*

^c*Department of Chemical and Environmental Engineering, University of California-Riverside, Riverside, CA 92521*

^d*Advanced Materials Research Center, Samsung Advanced Institute of Technology, Samsung Electronics, Yongin 446-712, Korea*

^e*Department of NanoFusion Technology, Pusan National University, Busan 609-735, Korea*

^f*Department of Bionano Technology, Hanyang University, Ansan 426-791, Korea*

* Author to whom all correspondence should be addressed;

E- mail: lim@kims.re.kr

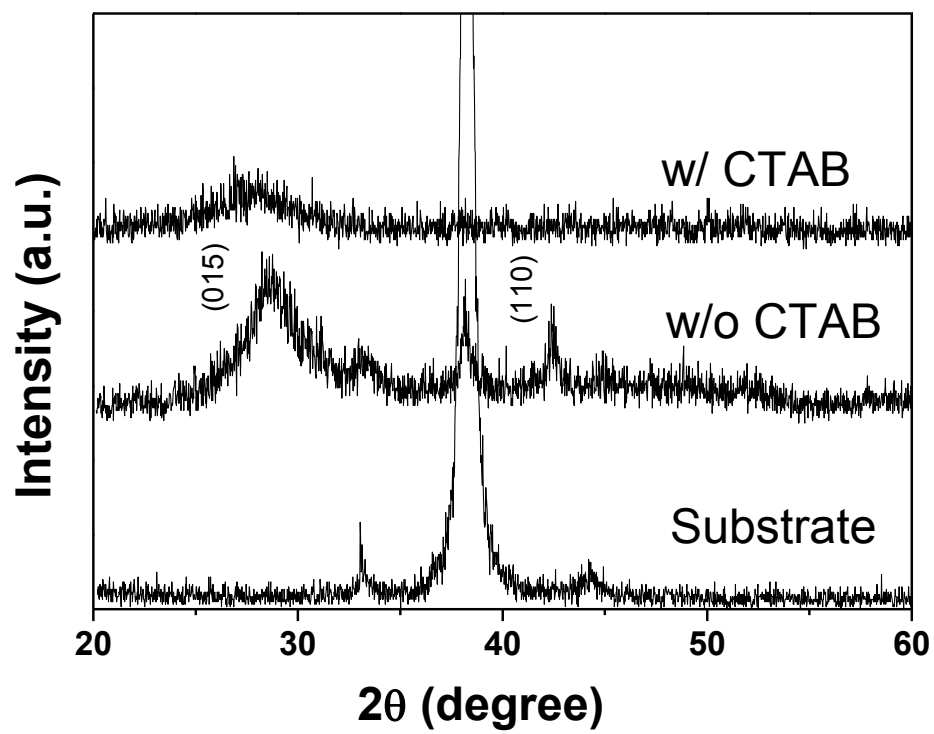
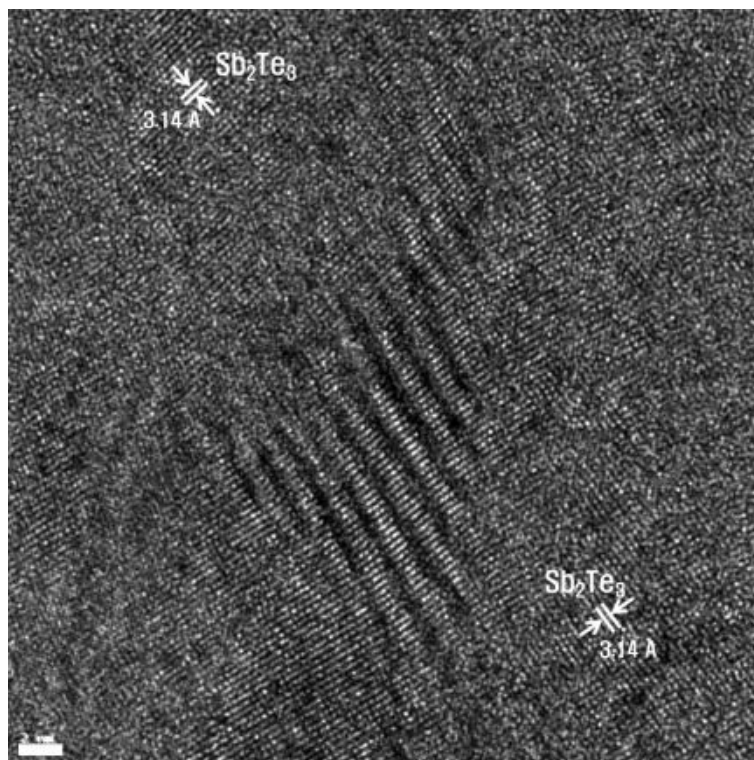
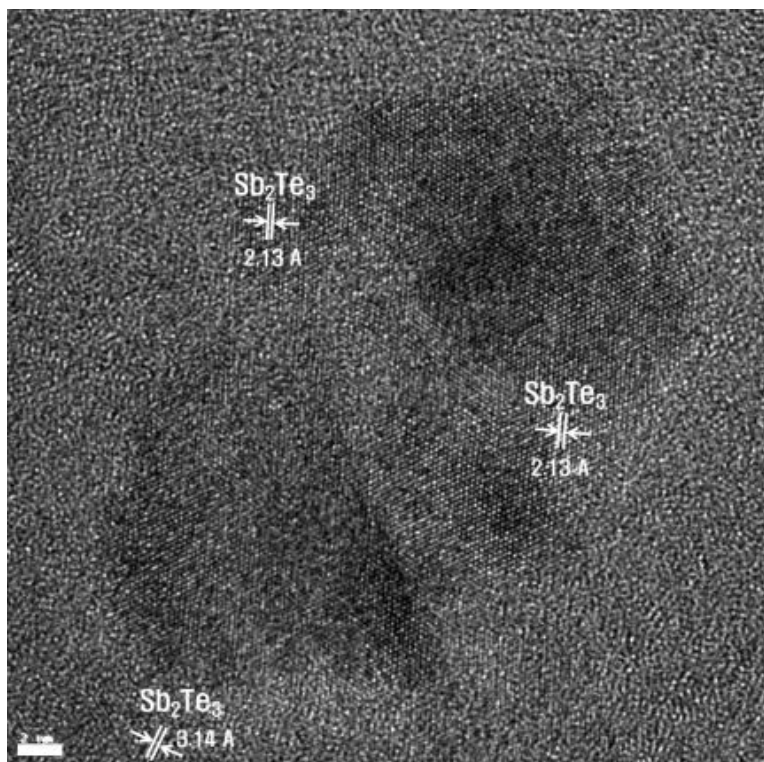


Figure S1. XRD patterns of the Sb_2Te_3 films formed with and without CTAB.



(a)



(b)

Figure S2. TEM images (scale bar = 2 nm) of the Sb_2Te_3 films formed without CTAB: (a) before and (b) after annealing at $200 \text{ }^\circ\text{C}$.