Supplementary data

Electrochemical Preparation of Free-Standing Carbon-Nanotube/Sn Composite Paper

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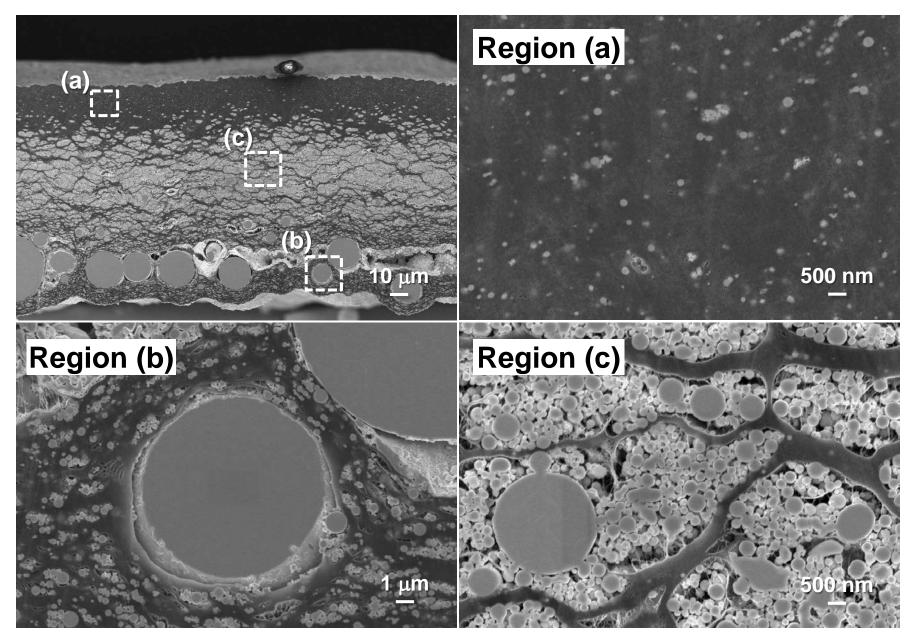


Figure S1 FE-SEM images of SWCNT/Sn composite prepared by simple suction filtration of CNT-dispersed solution with Sn particles having 300 nm-diameter.

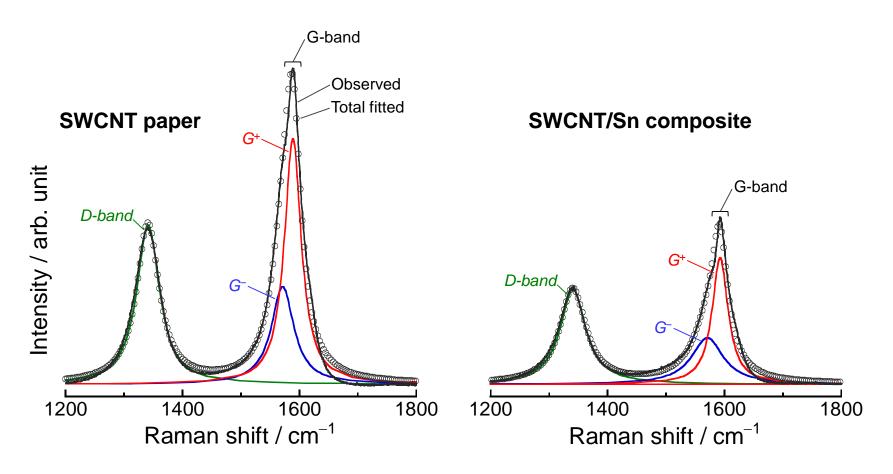


Figure S2 Raman spectra of SWCNT paper and SWCNT/Sn composite in the frequency range from 1200 to 1800 cm⁻¹. The Raman spectra were deconvoluted into three components using a Lorentz function. The black, circle, red, blue, green lines correspond to the observed spectrum, the total spectrum, the deconvoluted components of G^+ , G^- (G-band), and D-band. G^+ feature is assigned to in-plane vibration along tube axis. G^- feature is originated from in-plane vibration along circumferential direction. Ref.) M. S. Dresselhaus *et al. Phys. Rep.* **409** (2005) 47.