

Supplementary Information

Pseudocapacitive Enhancement of VACNTs with SnO₂ for Next-Generation Supercapacitors

Chinaza E. Nwanno ^a, Arun Thapa ^a, John Watt ^b, Winson Kuo ^b, and Wenzhi Li ^{a,*}

^aDepartment of Physics, Florida International University, Miami, FL, 33199, United States

^bCenter for Integrated Nanotechnologies, Los Alamos National Laboratory, Los Alamos, NM, 87545, USA

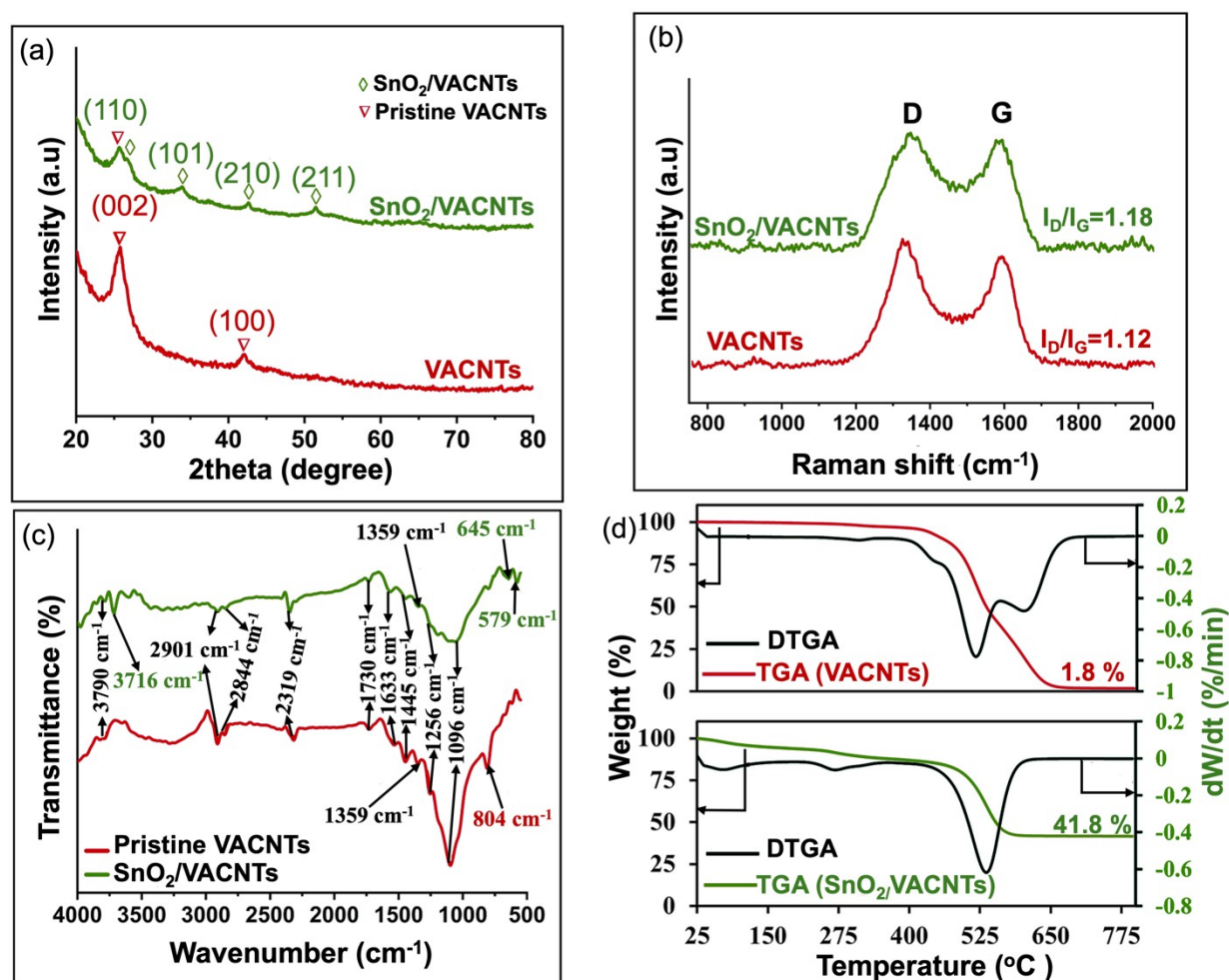


Figure S1. (a) XRD patterns of both VACNTs and SnO₂/VACNTs, (b) Raman spectra, (c) FTIR spectra, and (d) TGA of pristine VACNTs and SnO₂/VACNTs.

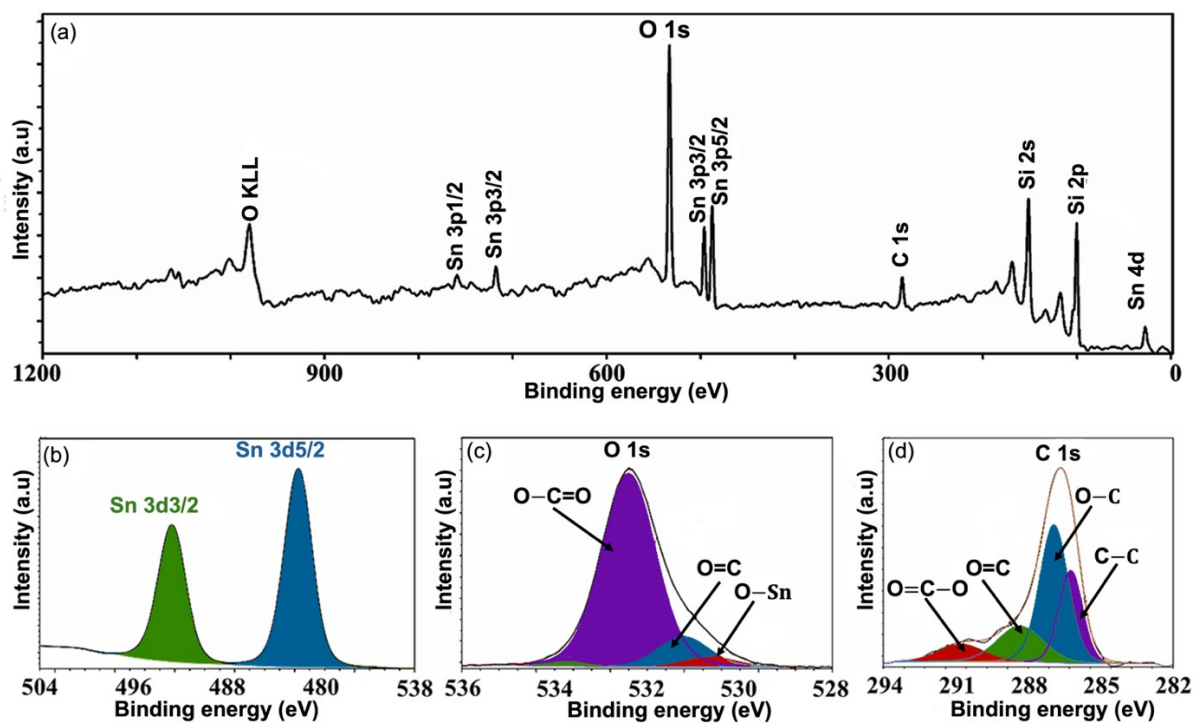


Figure S2. (a) XPS wide-survey spectrum, (b) Sn 3d spectrum, (c) O 1s spectrum, and (d) C 1s spectrum of $\text{SnO}_2/\text{VACNTs}$ composite.