Supplementary materials

NiO/Ni Nanowafer Aerogel Electrodes for High Performance Supercapacitors

Ramya Ramkumar, Ganesh Dhakal, Jae-Jin Shim and Woo Kyoung Kim *

School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Korea
* Correspondence: author: wkim@ynu.ac.kr

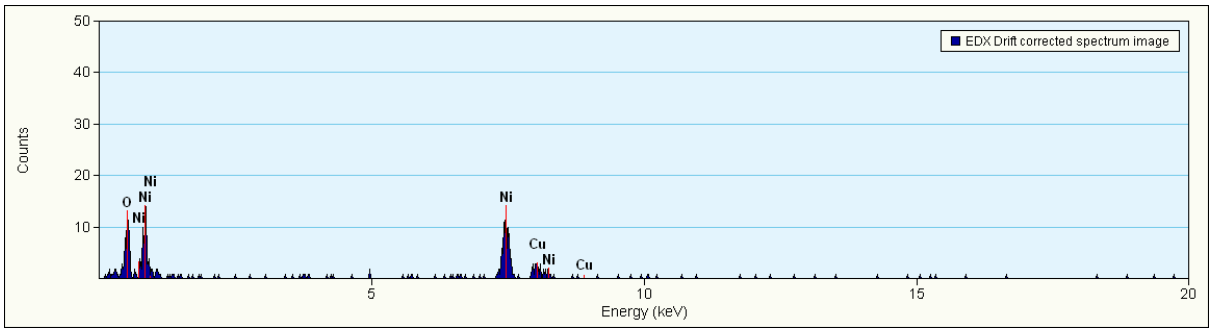


Figure S1. TEM-EDS of NiO/Ni aerogel indicating the presence of Ni and O. The Cu peak arises from the grid for TEM analysis.

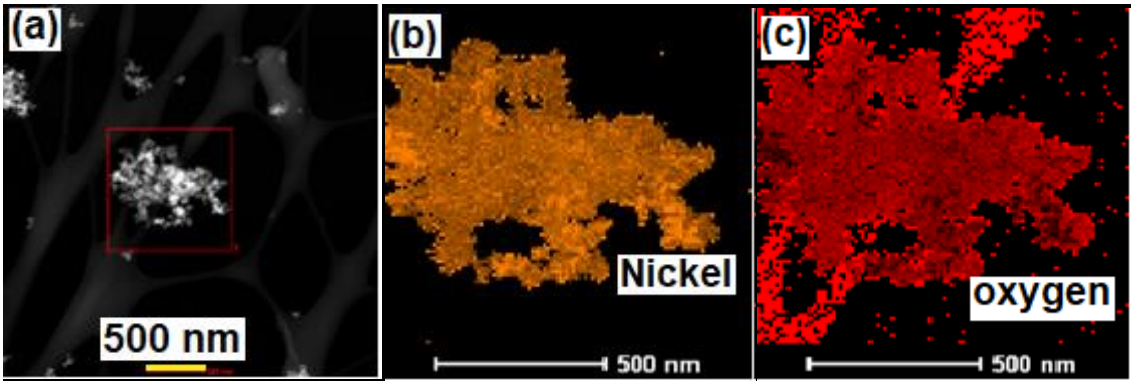


Figure S2. (**a**) Elemental images from TEM-EDS proving the presence of (**b**) Ni, (**c**) O of NiO/Ni aerogel indicating the presence of the two elements. The Cu peak arises from the grid used for TEM analysis.

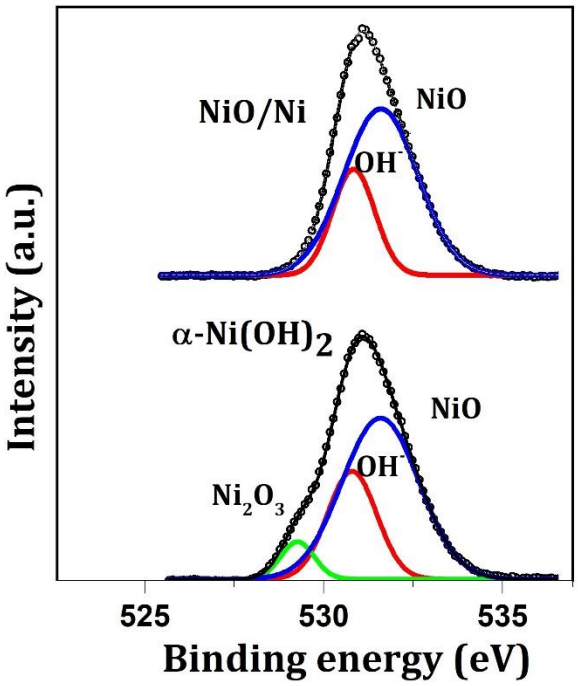


Figure S3. O1s XPS spectra of α-Ni(OH)$_2$ and NiO/Ni and their deconvolution is also included.

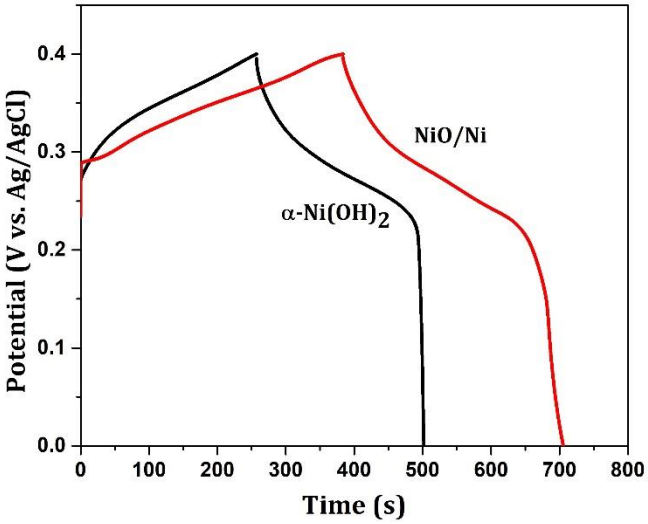


Figure S4. GCD of α-Ni(OH)$_2$-and NiO/Ni-modified nickel foam electrodes at 1 A/g current density given for comparison between the two electrodes materials.