

**Co(OH)<sub>2</sub>@MnO<sub>2</sub> nanosheet arrays as hybrid binder free electrode for high performance lithium-ion battery and Supercapacitor**

Manab Kundu<sup>#\*</sup>, Gurvinder Singh, and Ann Mari Svensson<sup>\*</sup>

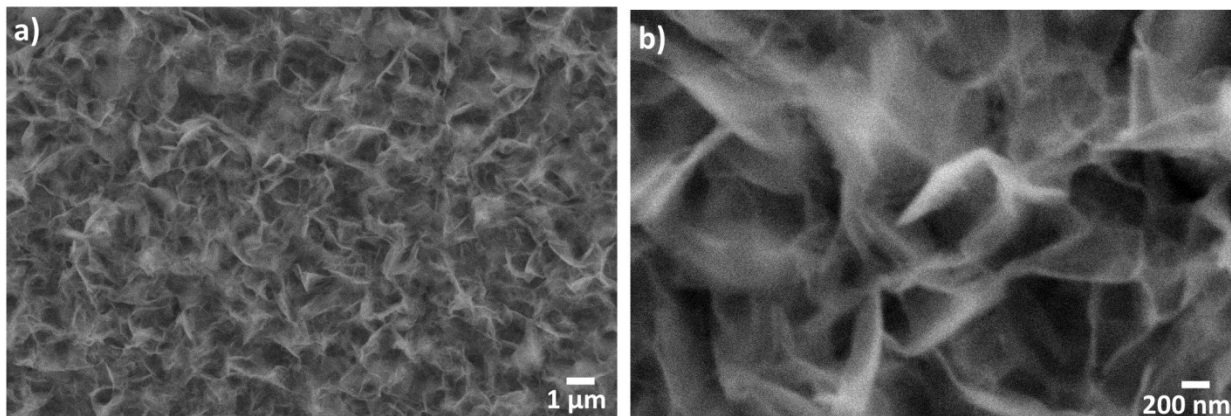
*Department of Material Science and Engineering, Norwegian University of Science and Technology (NTNU), NO-7491 Trondheim, Norway*

*#Present address: SRM Research Institute, Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, Chennai 603 203, India.*

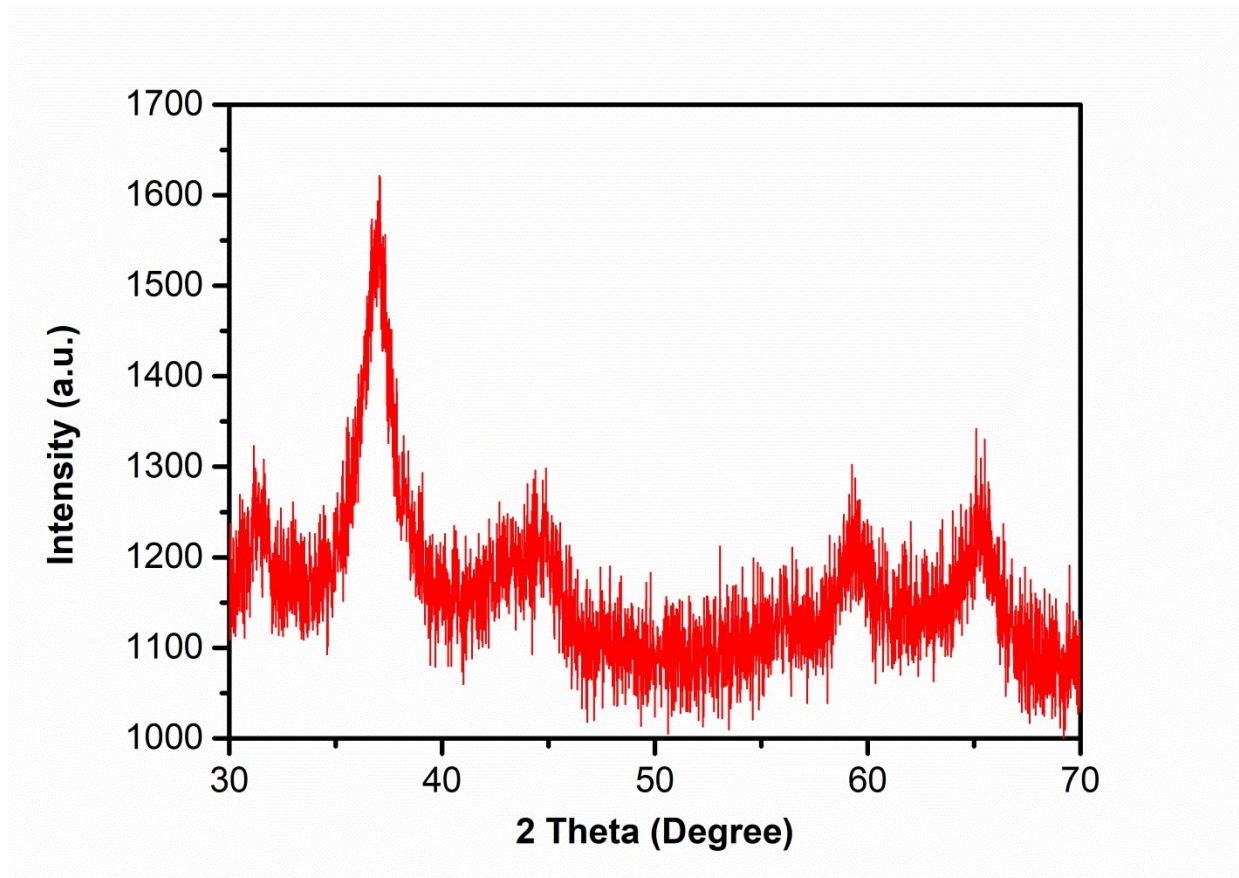
\*Corresponding Author's

E-mail: [manab.kundu@ntnu.no](mailto:manab.kundu@ntnu.no) and [annmari.svensson@ntnu.no](mailto:annmari.svensson@ntnu.no)

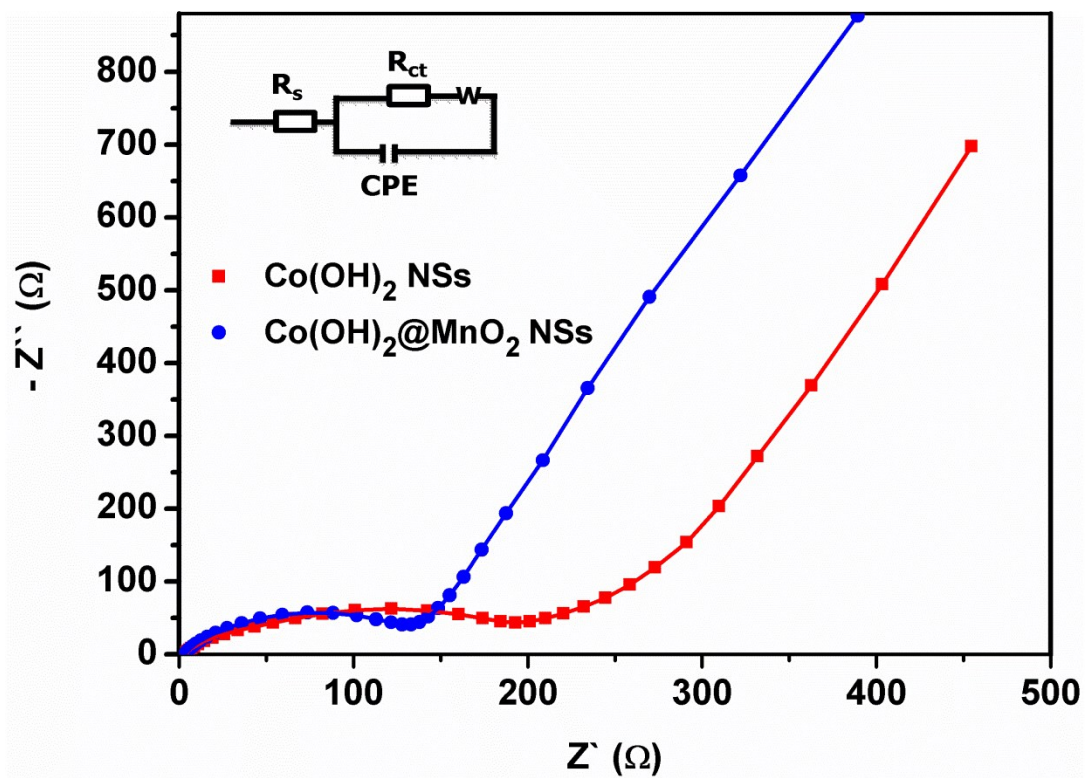
TEL: +4773593965



**Figure S1.** FE-SEM images: (a and b) for the MnO<sub>2</sub> NSs networks on the Ni



**Figure S2.** XRD pattern of electrodeposited Co(OH)<sub>2</sub> NSs.



**Figure S3.** The Nyquist plots of  $\text{Co(OH)}_2$  NSs (a) and  $\text{Co(OH)}_2@MnO_2$  NSs anode.