

# Evaluation of supercapacitive properties of a PPY/PANI bilayer electrodeposited onto carbon-graphite electrodes obtained from spent batteries

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## Supplementary material

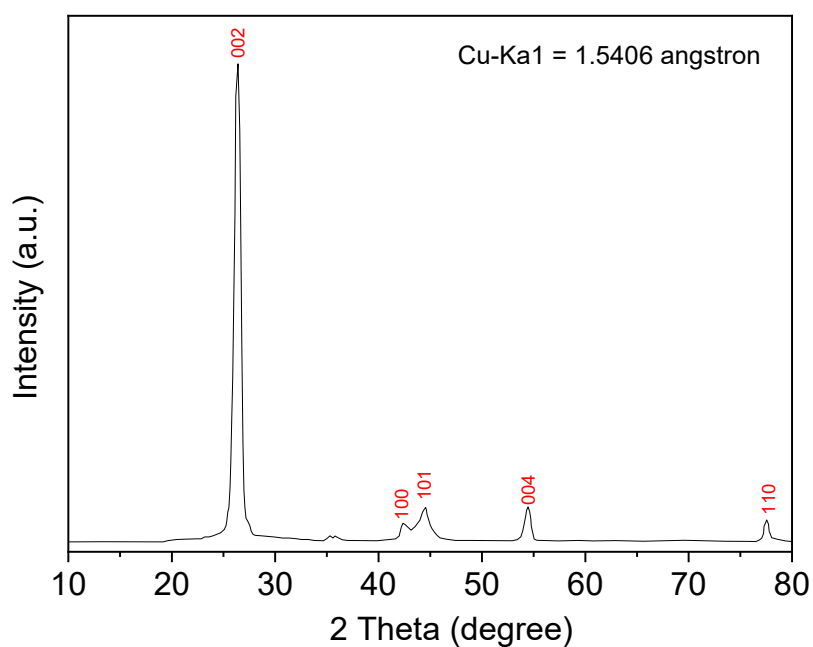


Figure S1. XRD pattern of carbon-graphite electrode.

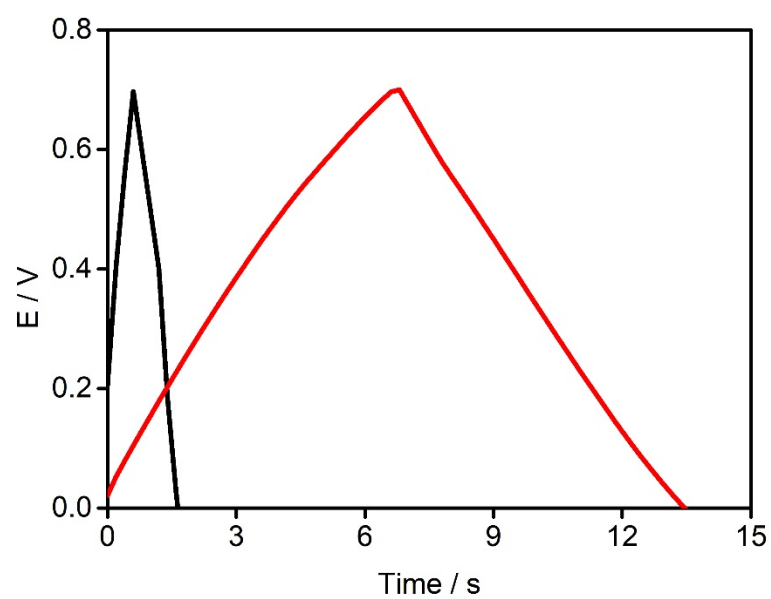


Figure S2. GCDC of a non-expanded (black line) and expanded (red line) carbon-graphite (CG) electrode. Applied current of  $1.0 \text{ mA cm}^{-2}$  and supporting electrolyte of  $\text{LiClO}_4$   $0.1 \text{ mol L}^{-1}$ .