Physical Chemistry Chemical Physics

Electronic Supplementary Information

Electrochemo-dynamical characterization of polypyrrole actuators coated on gold.

Received 00th January 20xx,
Accepted 00th January 20xx

DOI: 10.1039/x0xx00000x

www.rsc.org/

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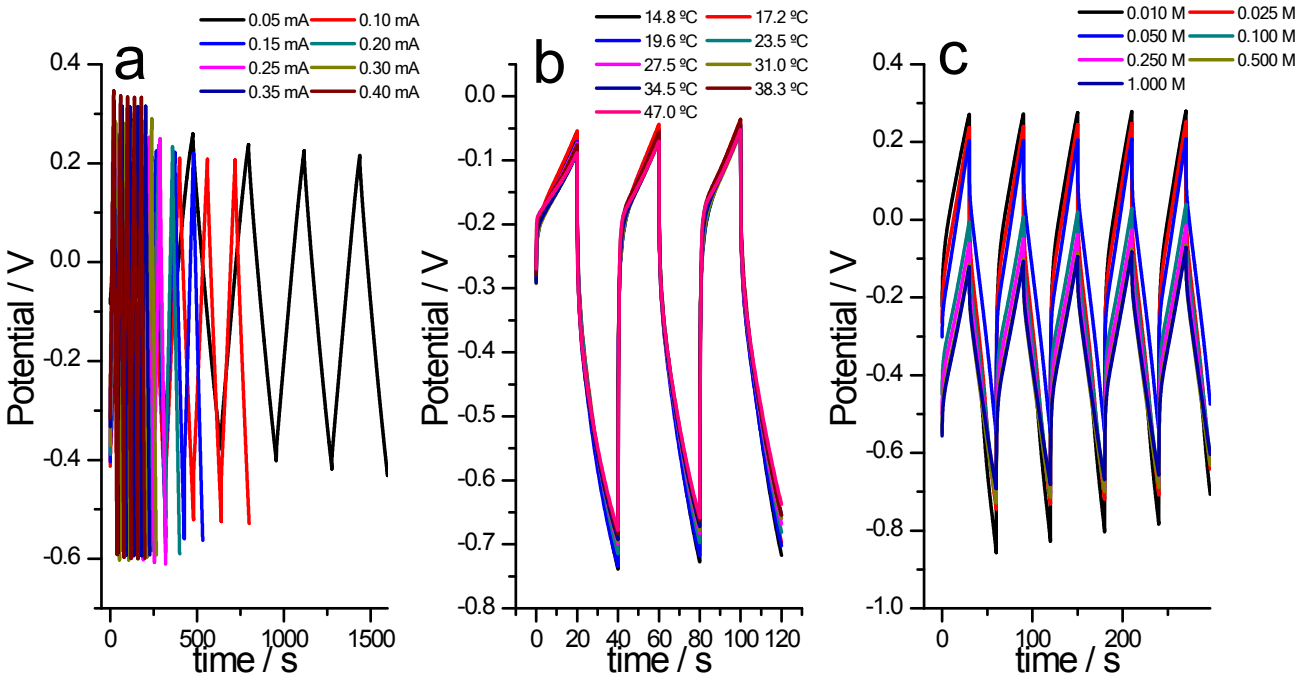

Figure S1: (a) Overlapped Chronopotentiometric responses obtained from a PPy gold coated wire in 0.1 M $LiClO_4$ aqueous solution applying different constant anodic currents, indicated in the figure, at room temperature (21 ºC). (b) Chronopotentiograms obtained from a PPy Au coated wire in 0.1 M $LiClO_4$ aqueous solution applying 0.5 mA as anodic current at different temperatures, indicated in the figure. (c) Chronopotentiograms obtained from a PPy coated gold wire in different $LiClO_4$ aqueous solutions having different concentrations, indicated in the figure, when a constant anodic current of 0.2 mA was applied during 30 s at room temperature (21 ºC). Figures 1, 2, and 3 were obtained from those results normalized to the same original potentials.

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