Supplementary Materials

Design of Nanostructured Hybrid Electrodes Based on a Liquid Crystalline Zn(II) Coordination Complex-Carbon Nanotubes Composition for the Specific Electrochemical Sensing of Uric Acid

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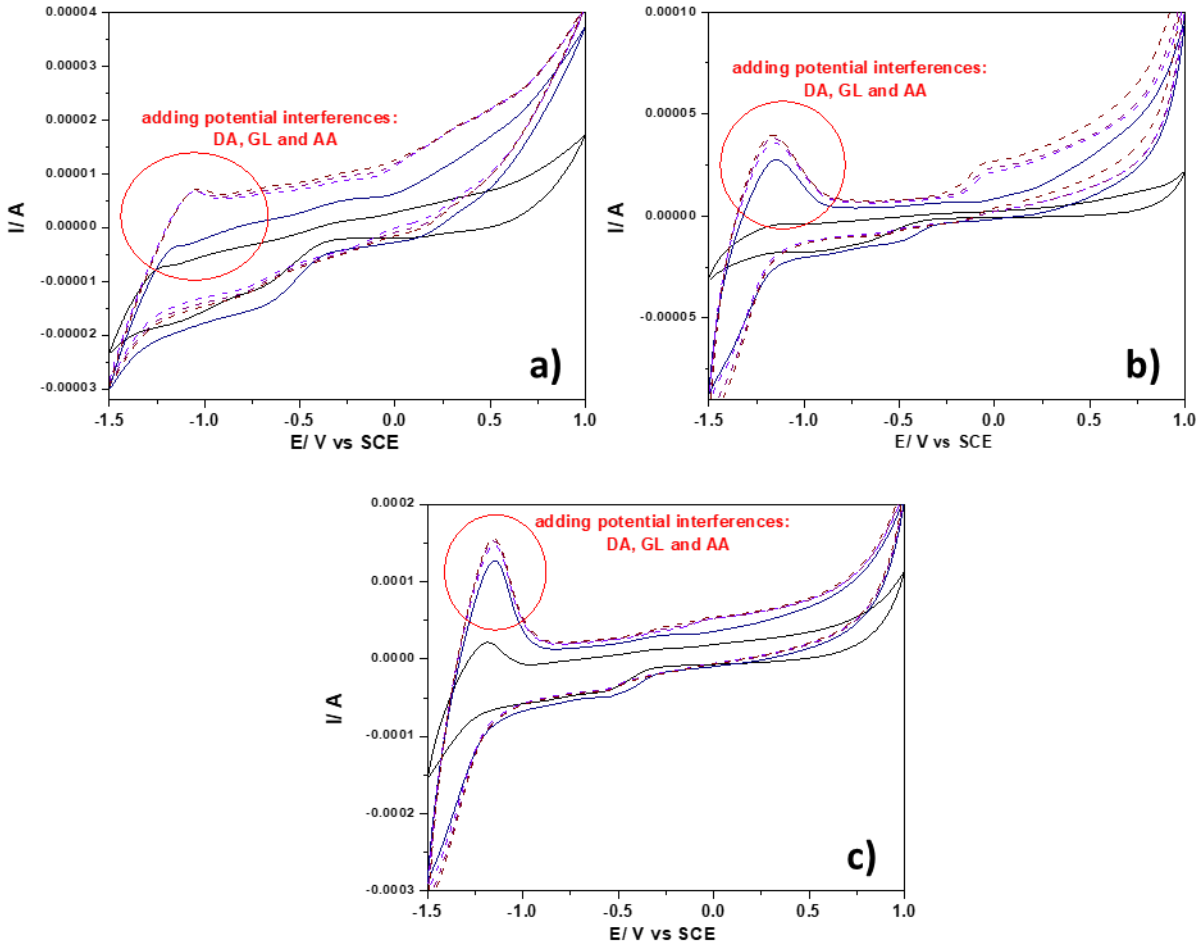

Figure S1. Cyclic voltammograms recorded at: (**a**) **PE_01** paste electrode, (**b**) **PE_02** paste electrode and (**c**) **PE_03** paste electrode, in 0.1 M NaOH supporting electrolyte (curve 1) and in the presence

of 5 mM UA concentration and potential interferences (1 mM): DA, GL and AA; potential scan rate: 0.05 V·s^{-1}; potential range from −1.5 V to +1V/Ag/ AgCl.

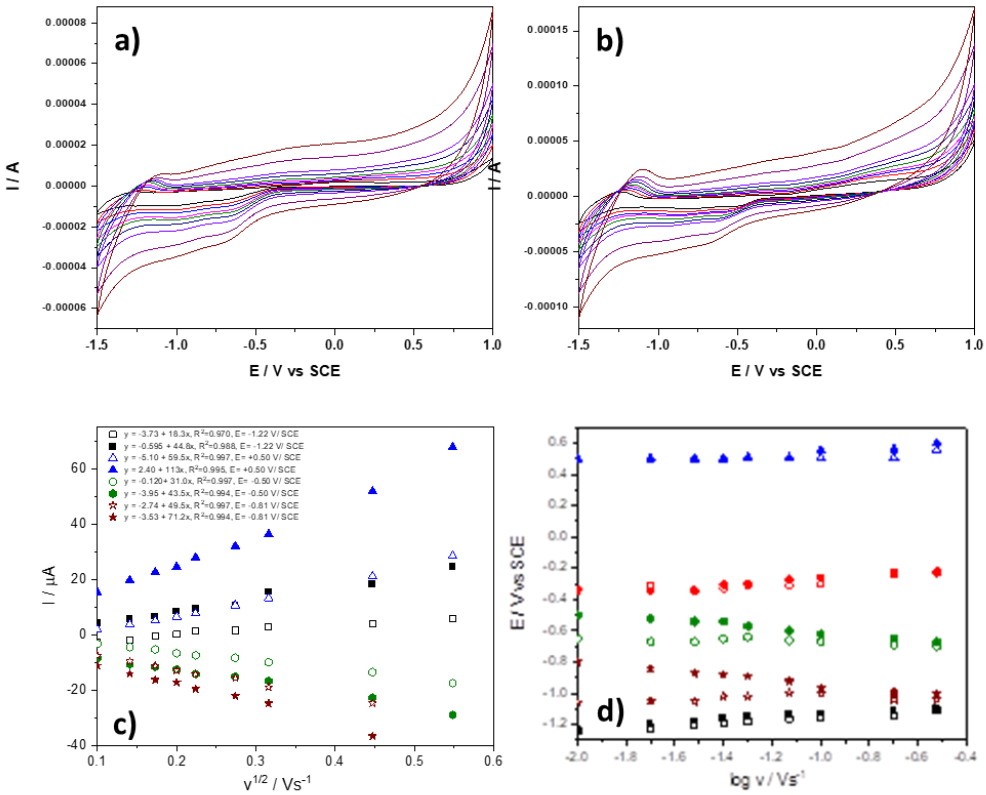

Figure S2. Cyclic voltammograms recorded in: (**a**) the absence of UA 0.1 M NaOH supporting electrolyte, and in (**b**) the presence of 3 mM UA with the **PE_03** paste electrode at various scan rates: (curve 1) 10, (curve 2) 20, (curve 3) 30, (curve 4) 40, (curve 5) 50, (curve 6) 75, (curve 7) 100, (curve 8) 200, and (curve 9) 300 mV·s^{-1}; (c) Dependence of anodic and cathodic peaks current vs. square root of the scan rate. (**d**) Dependence of peak potential vs logarithm of the scan rate.

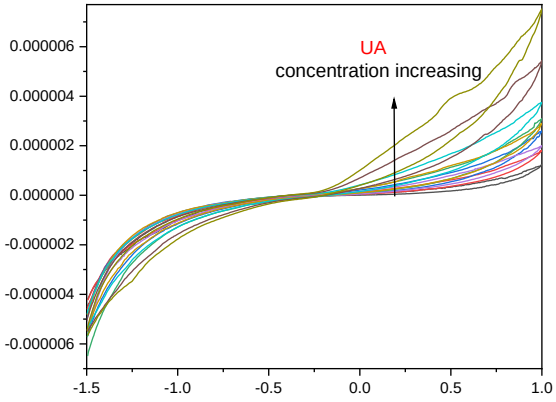

Figure S3. Cyclic voltammograms recorded at 80°C for **PE_03** paste electrode, in 0.1 M NaOH supporting electrolyte (curve 1) and in the presence of 1-8 mM UA concentrations; potential scan rate: 0.05 V·s^{-1}; potential range from −1.5 V to +1V/ SCE.