

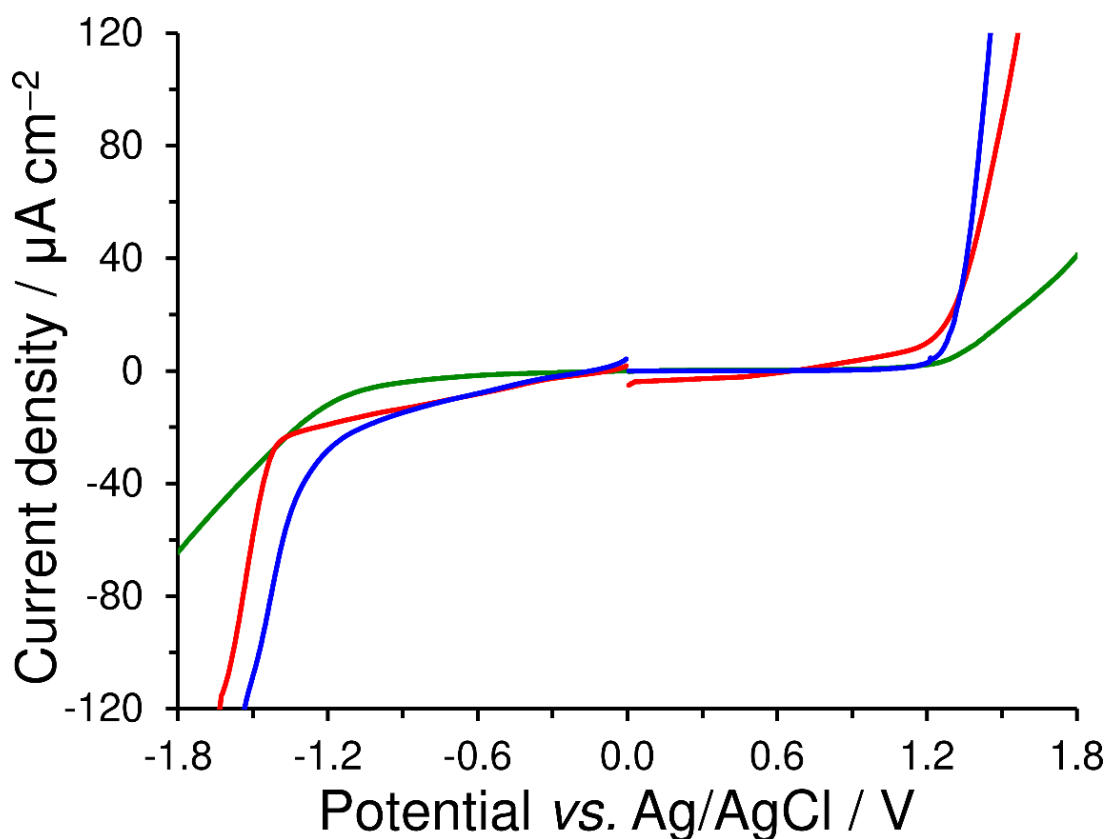
Supplementary Materials

# Shungite Paste Electrodes: Basic Characterization and Initial Examples of Applicability in Electroanalysis

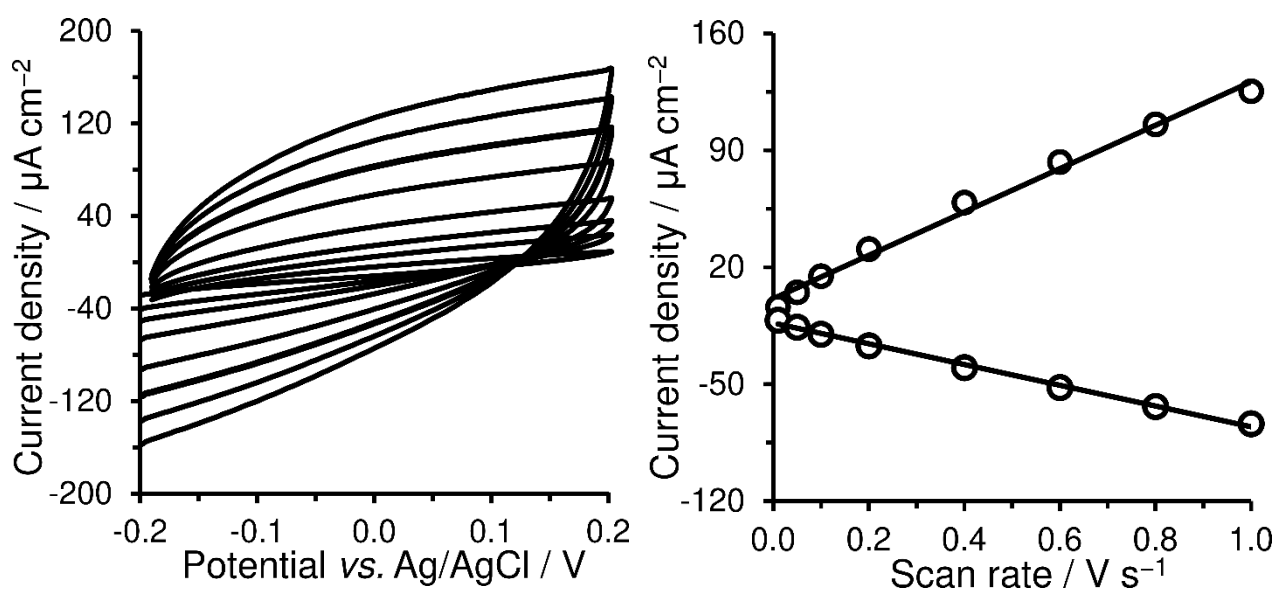
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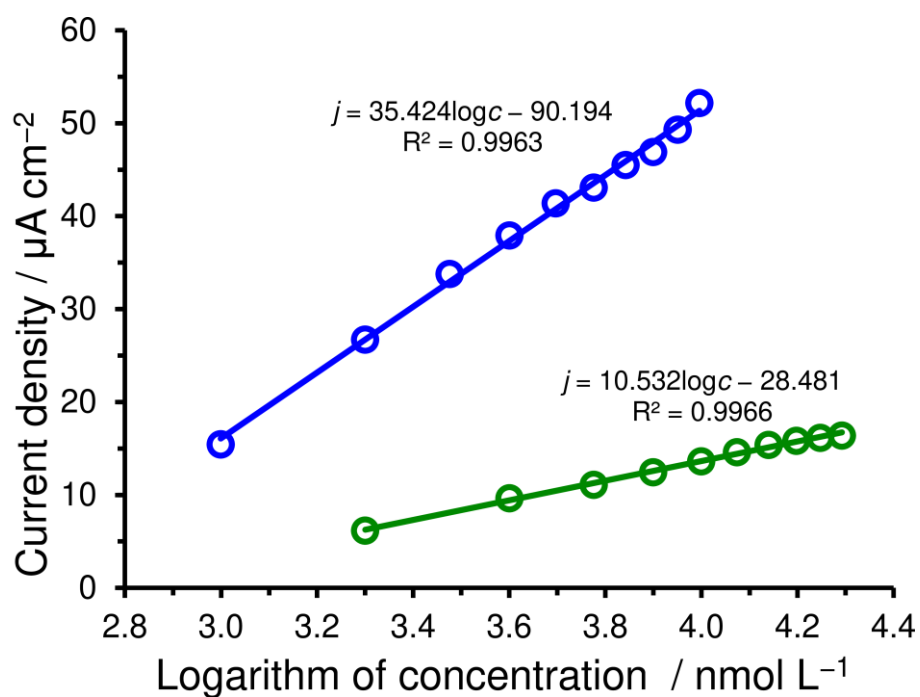
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**Figure S1.** Linear sweep voltammograms of 0.1 mol L<sup>-1</sup> PB (pH 7) recorded on CPE (blue), GCPE (red), and ShPE (green curve) at a scan rate,  $\nu = 50 \text{ mV s}^{-1}$ .



**Figure S2.** Double-layer-capacitance measurements obtained by cyclic voltammetry of  $0.1 \text{ mol L}^{-1}$  KCl recorded on CPE modified with 10% (w/w) reduced graphene oxide at  $E_{\text{step}} = 5.0 \text{ mV}$  and  $\nu = 0.01, 0.05, 0.1, 0.2, 0.4, 0.6, 0.8,$  and  $1.0 \text{ V s}^{-1}$  (left). The associated figure plots the dependence of background-current response at 0 V on scan rate (right).



**Figure S3.** The corresponding calibration curves of VB2 obtained at CPE/MnO<sub>2</sub> (blue) ShPE/MnO<sub>2</sub> (green) in  $0.1 \text{ mol L}^{-1}$  BRB containing 10% (v/v) MeOH (pH 4) when using SWV at  $E_{\text{step}} = 5.0 \text{ mV}$ ,  $E_{\text{ampl}} = 30 \text{ mV}$ , and  $f = 40 \text{ Hz}$ .