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Fig. S1: Square wave voltammograms obtained on an aminosmectite as a function of Cu(II) concentration, after 4 min open circuit accumulation (in an aqueous solution containing Cu(II) ions) followed by detection in 0.2 M HCl. Other experimental conditions: scan rate, 10 mV s-1; Pulse amplitude: 50 mV, Frequency: 50 Hz; Electrolysis potential: -0.8 V. Reference electrode: Saturated Calomel Electrode.