A ternary nanocomposite based on nickel(III) oxide@*f*-CNF/rGO for efficient electrochemical detection of antipsychotic drug (klonopin) in biological samples

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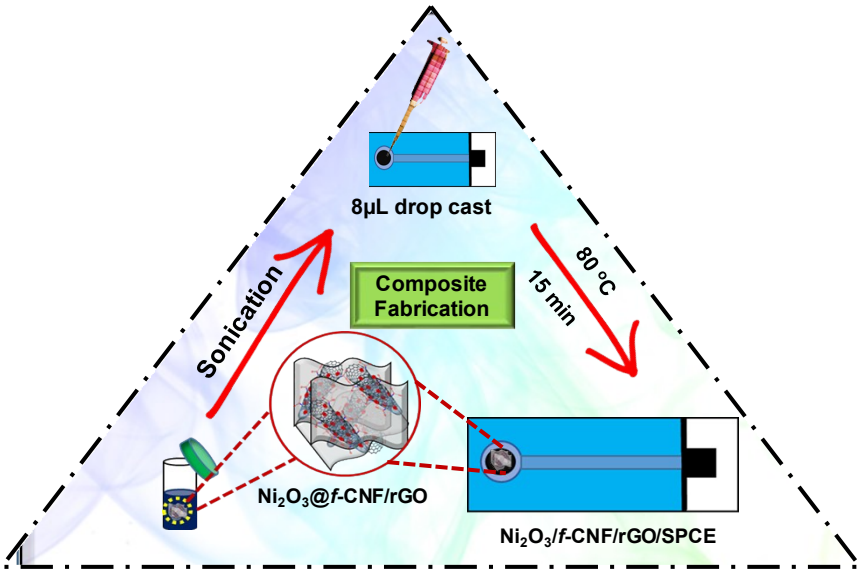

Fig. S1. Fabrication of Ni_2O_3@*f*-CNF/rGO modified electrode

Table S1: Comparison of charge transfer resistance (R_{ct}) observed at Ni_2O_3@*f*-CNF/rGO and control modified electrodes

Different modified electrode	R_{ct} (Ω)
Bare	3041.44
***f*-CNF/rGO**	2856.97
Ni_2O_3	2089.99
Ni_2O_3@*f*-CNF/rGO	263.76

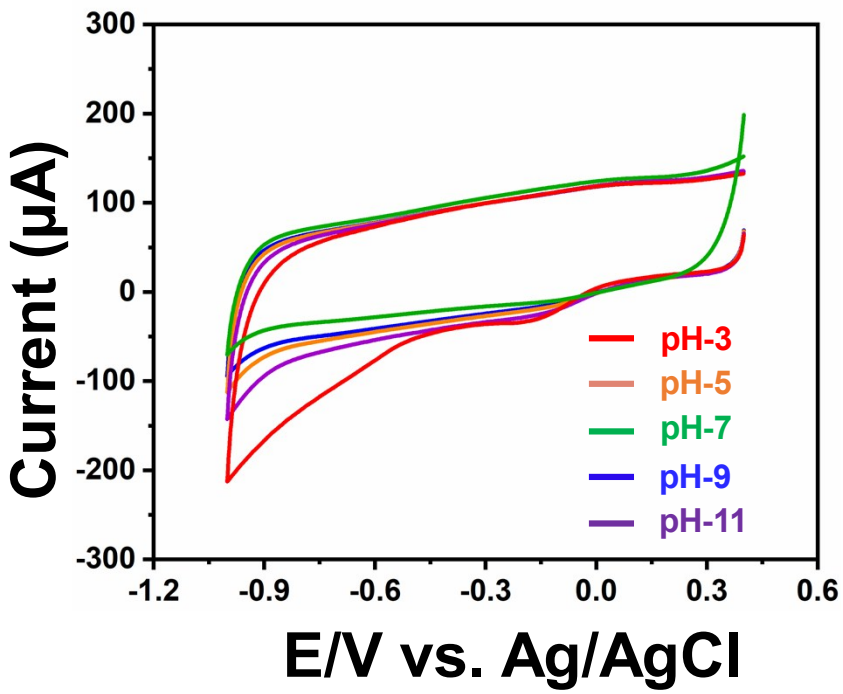

Fig. S2. pH response of the Ni_2O_3@*f*-CNF/rGO nanocomposite

The detection limit (LOD) was calculated using the following equation

$$LOD = 3S_B/s$$

where 'S_B' is the standard deviation of blank signal and 's' is sensitivity = 0.8766

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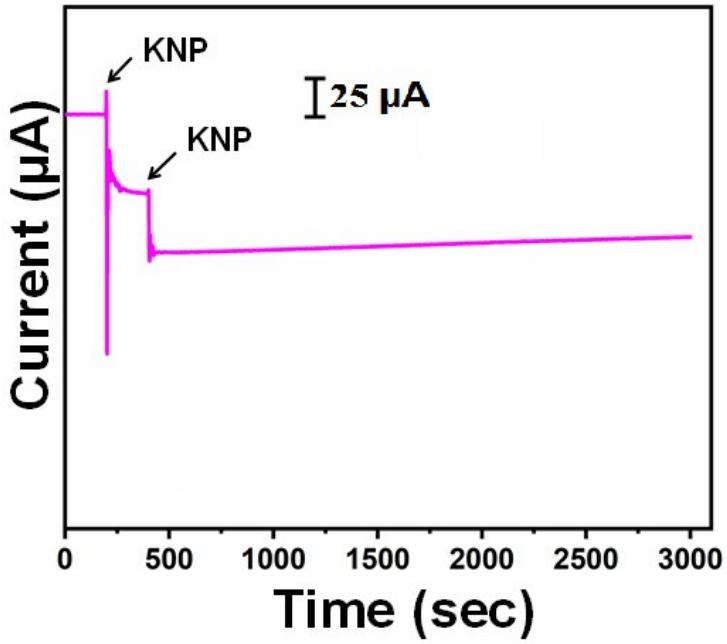

Fig. S3. The amperometric response of Ni_2O_3@*f*-CNF/rGO modified RDE for the stability carried out with the addition of 100 µM of KNP in 0.05 M PB (pH 7.0) up to 3000 s.