Optically transparent electrodes for spectroelectrochemistry fabricated with graphene nanoplatelets and single-walled carbon nanotubes

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Fig. S1. FE-SEM image of a SWCNTs film fabricated with 0.5 mL of the SWCNTs dispersion.

Fig. S2. Peak potential difference *vs*. concentration of FcMeOH for a GNPs/SWCNTs-OTE fabricated with $V_{GNPs} = 0.3$ mL and $V_{SWCNTs} = 0.58$ mL. Data corresponding to Fig. 9a.

Fig. S3. Five cyclic voltammograms of $6 \cdot 10^{-4}$ M FcMeOH in 0.1 M KCl between -0.20 V and +0.60 V at a potential scan rate of 0.01 V s⁻¹ obtained with five different GNPs/SWCNTs-OTEs to evaluate the reproducibility of our proposed methodology. All GNPs/SWCNTs-OTEs were fabricated with V_{GNPs} = 0.4 mL and V_{SWCNTs} = 0.5 mL and an area of 0.3925 cm².

Fig. S4. FE-SEM image of a GNPs/SWCNTs-OTE fabricated with $V_{GNPs} = 0.4$ mL and $V_{SWCNTs} = 0.5$ mL.

Table S1. Anodic and cathodic peak potentials, peak potential difference, and anodic and cathodic peak currents of the five cyclic voltammograms plotted in Fig. S3.



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Electrode	Anodic peak	Cathodic peak	Peak potential	Anodic peak current	Cathodic peak current
	(V)	(V)	(V)	(uA)	(uA)
1	0.276	0.180	0.096	15.468	-14.867
2	0.278	0.180	0.098	15.711	-15.304
3	0.282	0.178	0.104	15.610	-15.141
4	0.279	0.181	0.098	15.456	-14.865
5	0.282	0.178	0.104	15.448	-14.706

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