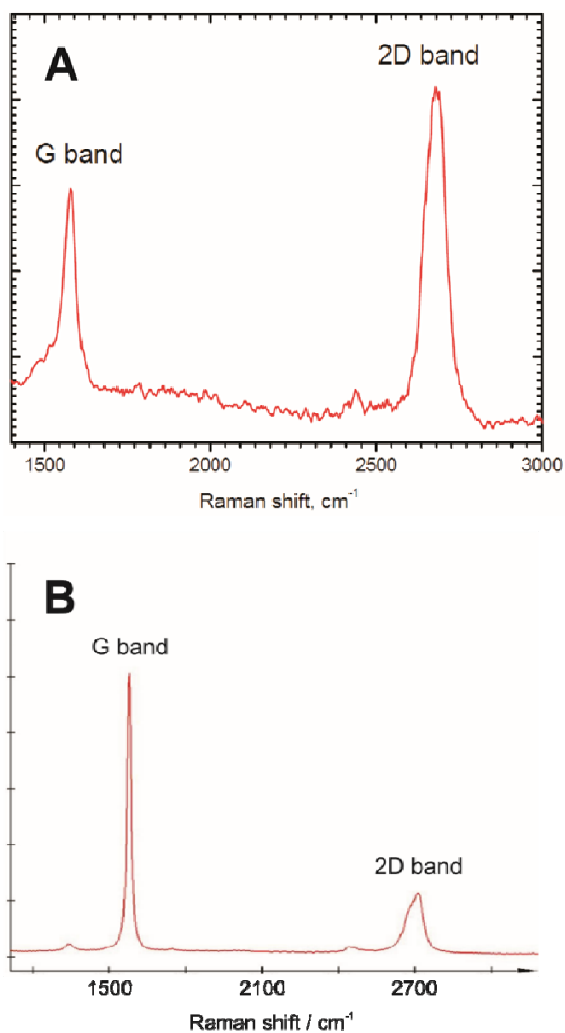


Electronic Supporting Information

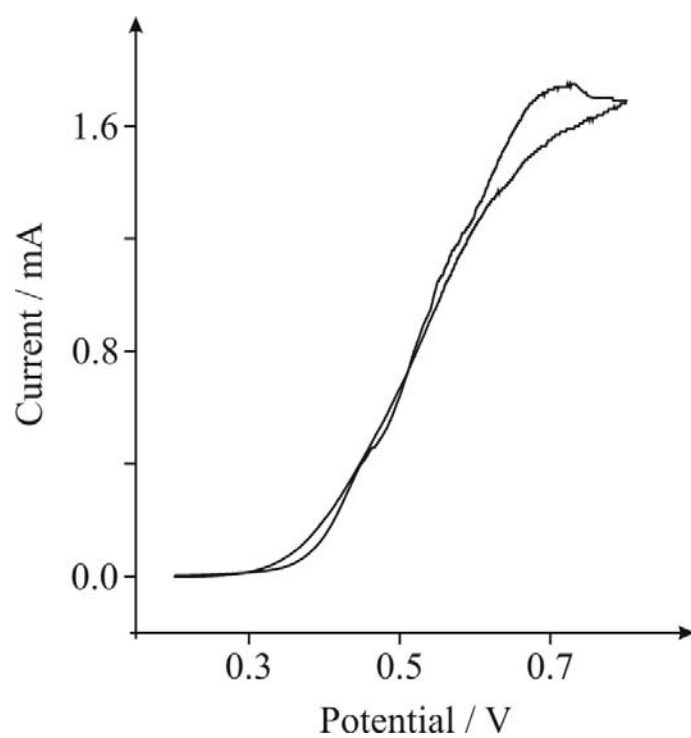
ESI Figure 1

Raman spectra of our commercially obtained CVD-graphene grown directly onto a Ni film on an oxidised silicon wafer, showing both graphene (**A**) and graphitic (**B**) regions. Images kindly provided by the manufacturer.¹



ESI Figure 2

A cyclic voltammetric response recorded *via* repeat analysis as in Fig. 3A demonstrating the reproducibility of our observation. Note, an alteration in peak current is evident due to a change in the number of oxygenated species upon the working surface effectively altering the active surface area.



ESI Figure 3

Enlarged reprint of Fig. 4, for the purpose of clarity.



References:

ESI1. www.graphene-supermarket.com; Raman is part of characterisation of a batch of chips.