

Supporting Information

Catalytic Single Particle Nano-impacts: Theory and Experiment. Poly(vinylferrocene) Modified Graphene Nanoplatelet Mediated L-Cysteine Oxidation

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1 Chronoamperometry of Degassing the Electrolyte Solution

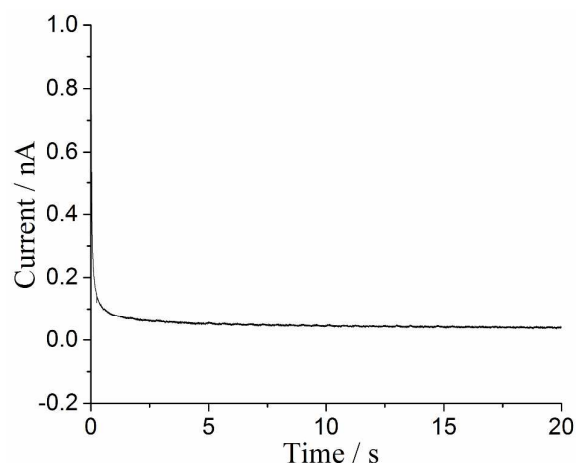


Figure SI1 Chronoamperogram measured at the same time as nitrogen degassing, in a pH7 buffered aqueous solution supported with 0.1 M KCl, using a carbon fibre micro wire electrode. Potential applied = +1.00 V.

2 Choice of Supporting Electrolyte

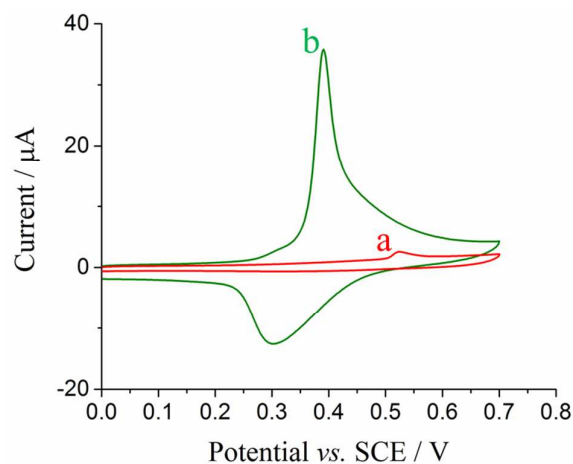


Fig. SI2 Voltammograms measured in a nitrogen degassed pH 7 buffered aqueous solution, using a PVFc-GNPs modified edge-plane pyrolytic graphite (EPPG) electrode via abrasive modification. Solution supported with 0.1 M KCl (a) and 0.1 M NaClO_4 (b). Scan rate = 50 mV s^{-1} .