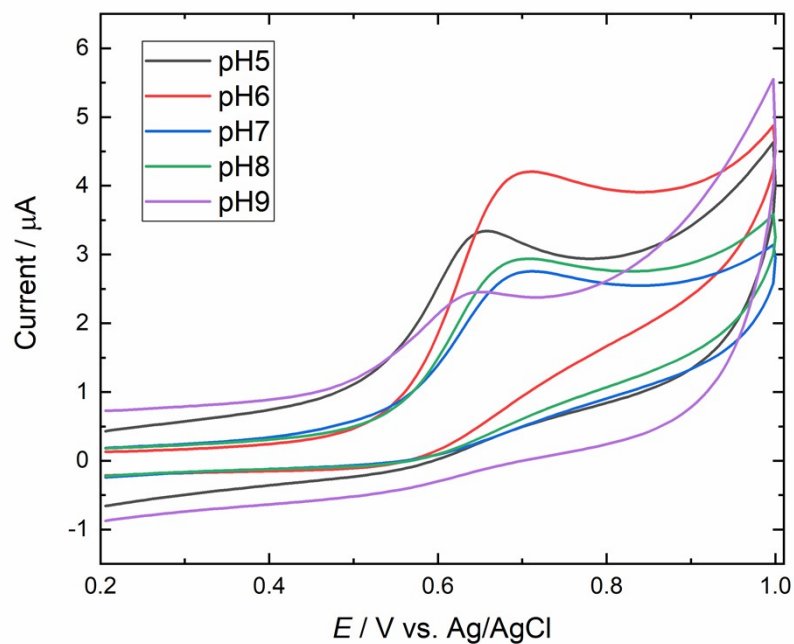
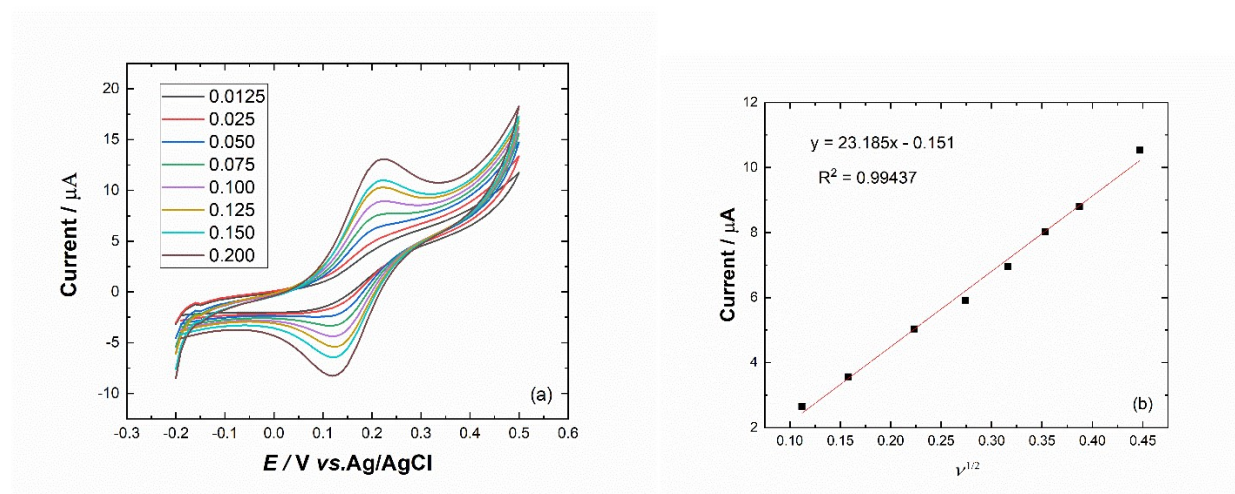


Element	Weight%	Atomic%
C K	55.11	71.27
N K	5.05	5.60
O K	17.83	17.31
Ni K	22.01	5.82
Totals	100.00	

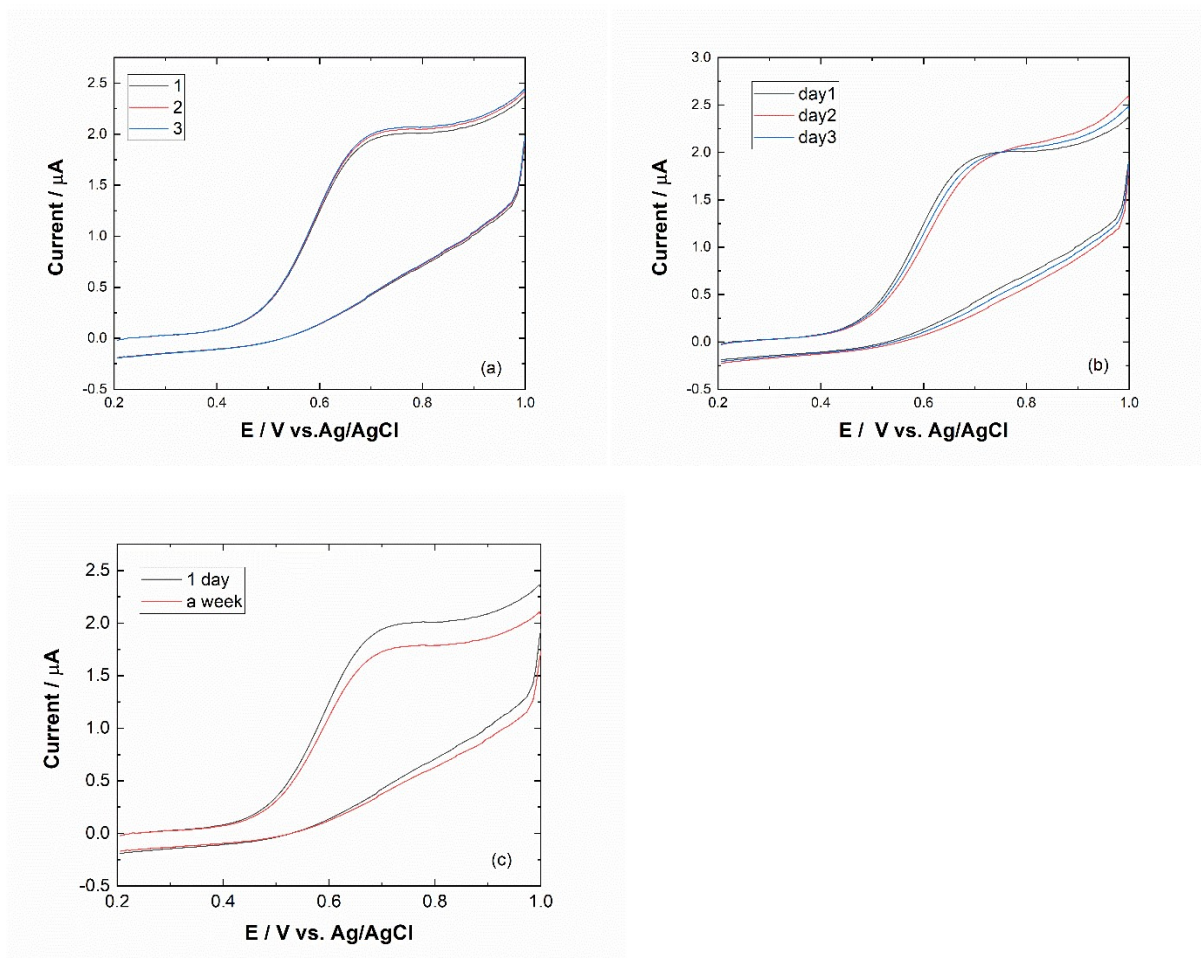
**Fig. S1.** EDX spectrum of Ni/PDDA/rGO/SPCE



**Fig. S2** CV of Ni/PDDA/rGO/SPCE in 20.0  $\mu\text{M}$   $\text{NaNO}_2$  + 0.1 M PBS different pH at a scan rate of  $50 \text{ mV s}^{-1}$ .



**Fig. S3** (a) CV at various scan rates in a solution of  $5 \text{ mM Fe(CN)}_6^{3-/4-}$  in 0.1 M KCl and (b) anodic peak current ( $I_{pa}$ ) linearly increased with the square root of scan rate ( $\nu^{1/2}$ )



**Fig. S4** CVs of (a) intra-assay, (b) inter-assay precision (RSD) and (c) stability of the Ni/PDDA/rGO/SPCE