Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary Information

Preparation of $Ni(OH)_2$ nanoplatelet/electrospun carbon nanofiber hybrids for highly sensitive non-enzymatic glucose sensors

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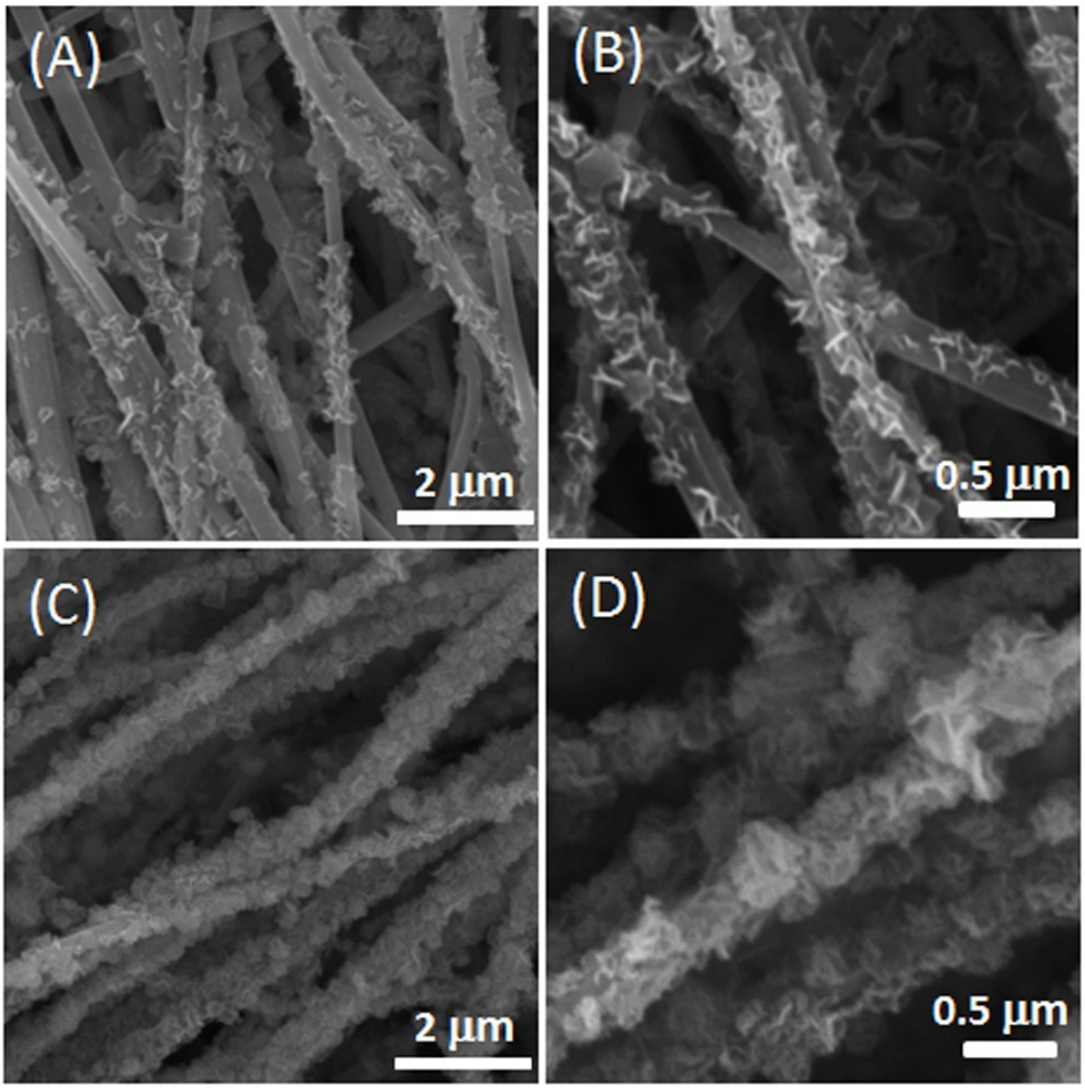

Fig. S1 SEM images of $Ni(OH)_2$/ECF-0.03 (A, B), and $Ni(OH)_2$/ECF-0.12 (C, D), respectively.

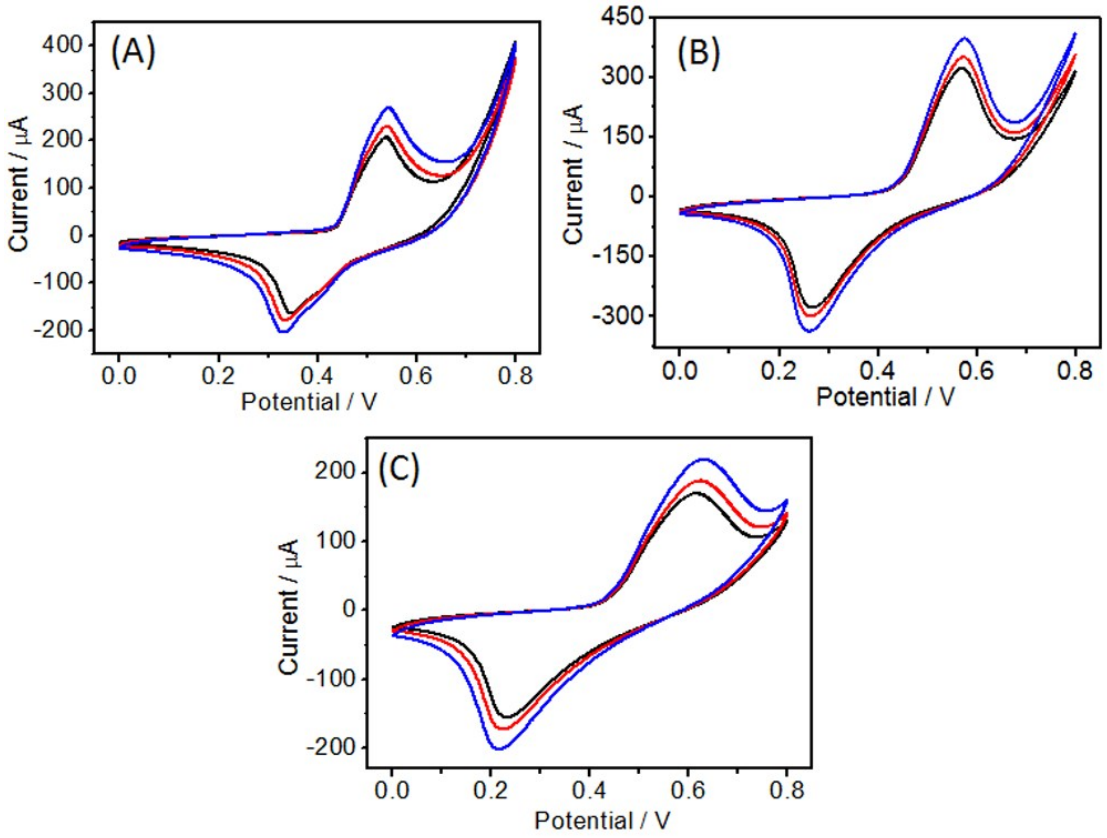

Fig. S2 CV curves of $Ni(OH)_2$/ECF-0.03 (A), $Ni(OH)_2$/ECF-0.12 (B) and pure $Ni(OH)_2$ nanoplatelets modified electrodes (C) in 0.1 M NaOH solution containing 50 μM (black line), 100 μM (red line) and 200 μM (blue line) glucose, scan rate 50 mV s^{-1}.

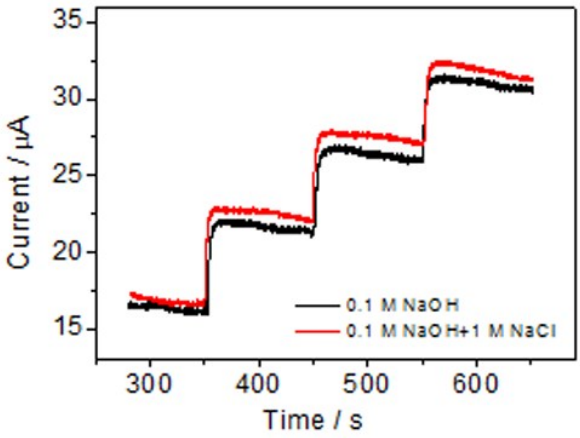

Fig. S3 I-t responses of $Ni(OH)_2$/ECF-0.06 modified electrode with successive additions of 0.5 mM glucose to 0.1 M NaOH solution and 0.1 M NaOH solution containing 1 M NaCl.