Electronic Supplementary Material (ESI) for RSC Advances.

Synthesis of nickel (II) coordination polymers and conversion into porous NiO nanorod with excellent electrocatalytic performance for glucose detection

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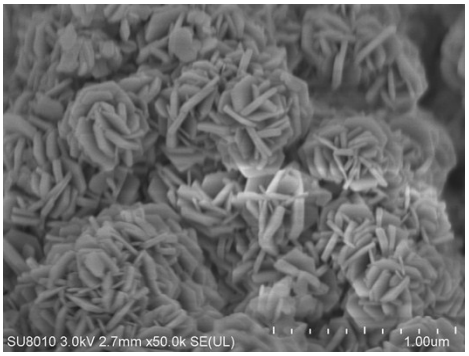

Fig. S1 SEM image of flower-like NiO nanostructures

For comparison, NiO nanocatalysts with different morphology were synthesized using solvothermal method. The morphologies of as-synthesized products were examined by SEM. Fig. S1 depicts the SEM image of the NiO products. The SEM image indicates that the NiO have flower-like hierarchical morphology. These flower-like architectures are assembled by several nanosheets and the surfaces of the nanosheets are smooth.

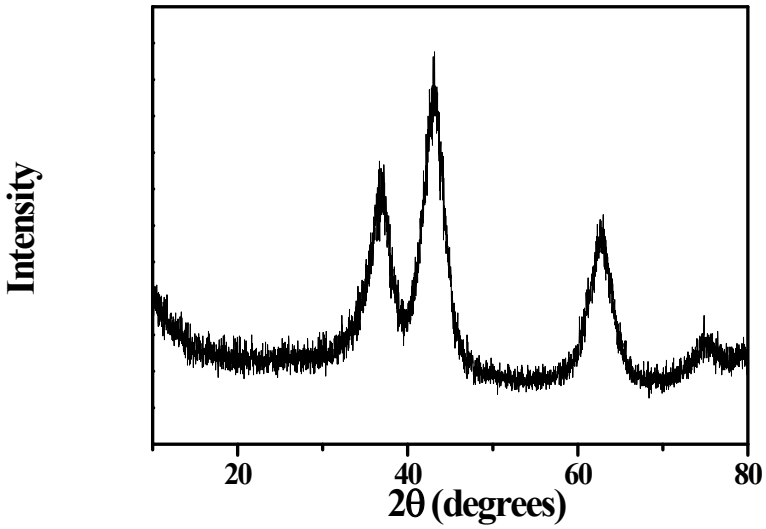

Fig. S2 XRD pattern of the as-obtained NiO nanostructures.

Fig S2 shows the XRD pattern of the flower-like NiO architectures. All the diffraction peaks can be indexed to the face-centered cubic (fcc) NiO phase, which is the same as the p-NiO nanorods.