

Electronic Supplementary Information

Facile deposition of FeNi/Ni hybrid nanoflower electrocatalyst for effective and sustained water oxidation

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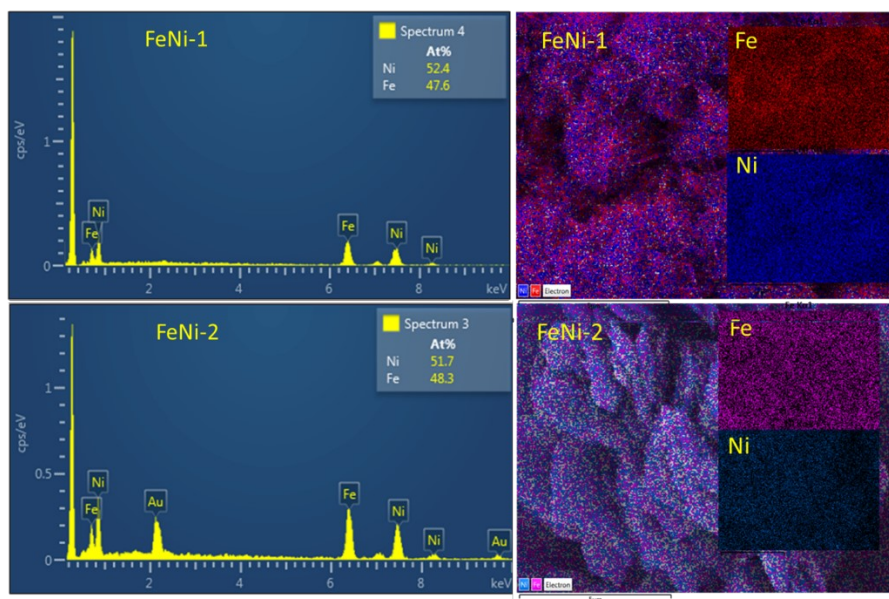


Figure S1: EDX spectra and corresponding elemental maps of Fe and Ni elements of the developed FeNi/Ni-1h and FeNi/Ni-2h electrocatalysts by AACVD.

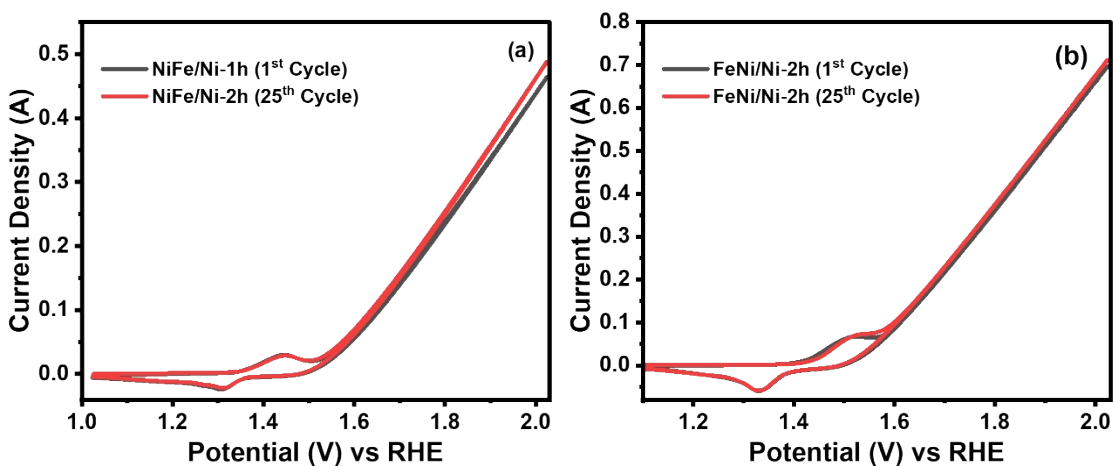


Figure S2: Electrocatalytic investigations; concurrent 1st and 25th cyclic voltammetry curves for (a) FeNi/Ni-1h ; (b) FeNi/Ni-2h ; recorded at a scan rate of 50 mV sec⁻¹ in 1.0 M KOH electrolyte solution.

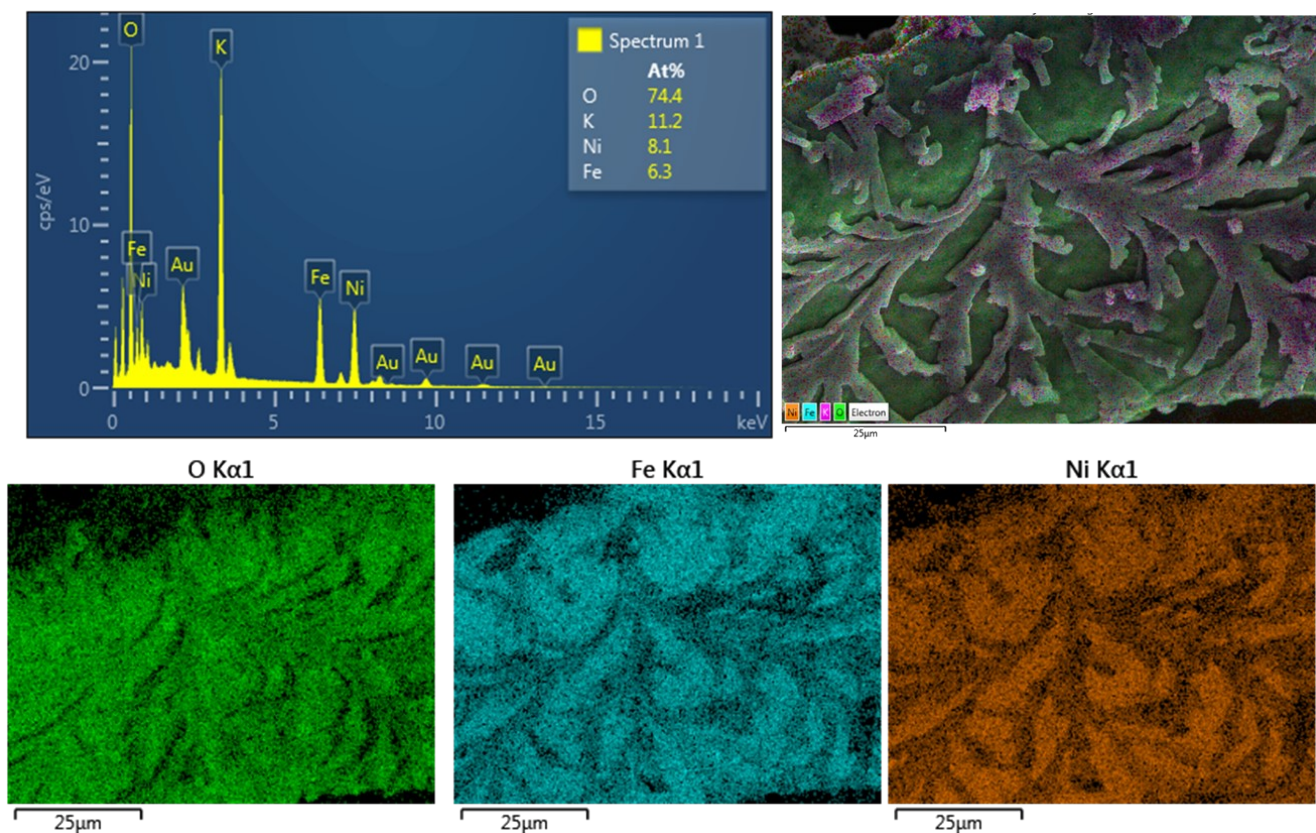


Figure S3: EDX analysis of FeNi/Ni-2h catalysts with corresponding elemental ratio after 100 h of chronopotentiometric (OER stability) testing. EDX map indicating the homogenous distribution of Fe, Ni and O atoms on the surface of catalyst after chronopotentiometric testing.