Supplementary Information

Facile in situ transformation of NiOOH into MOF-74(Ni)/NiOOH heterogeneous composite for enchancing electrocatalytic methanol oxidation

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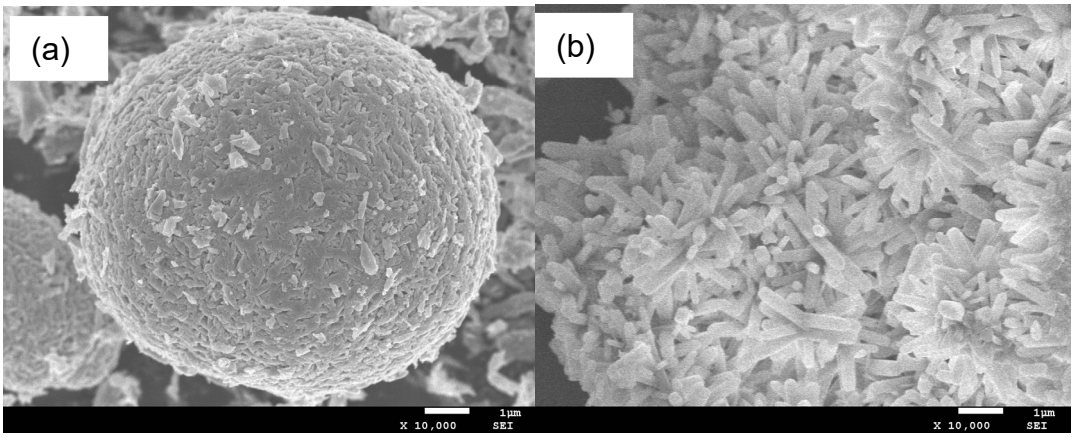


Figure S1. SEM image of NiOOH (a) and MOF-74(Ni)/NiOOH (b) with the same magnification.

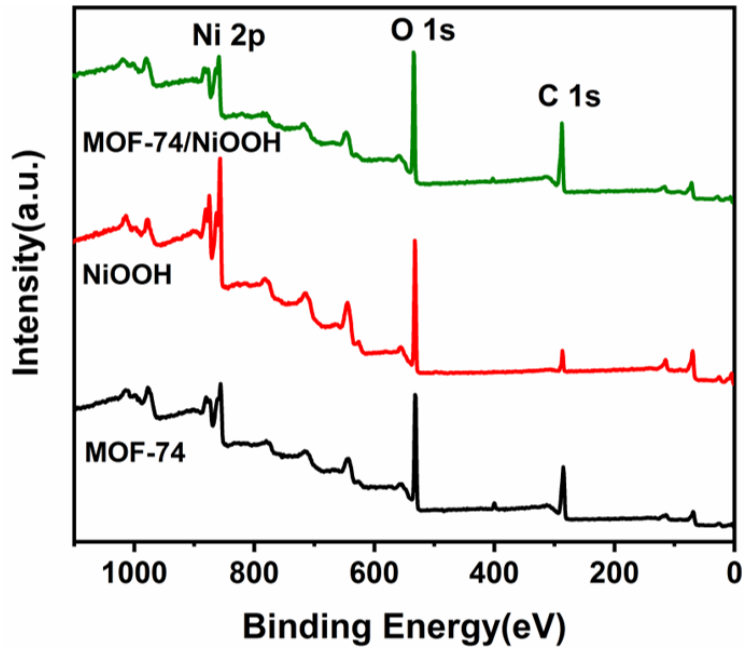


Figure S2. XPS survey spectrum of NiOOH, MOF-74(Ni) and MOF-74(Ni)/NiOOH.

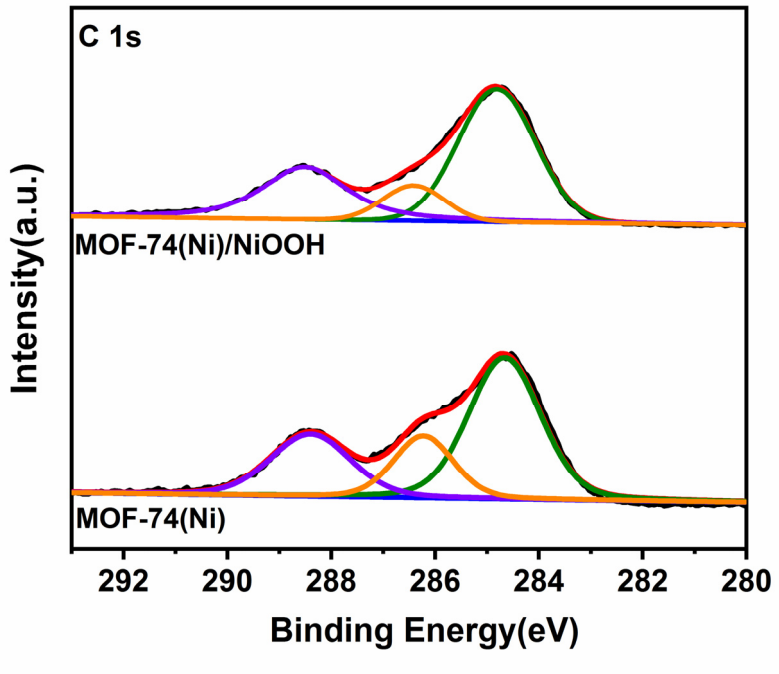


Figure S3. The high-resolution XPS spectra of C1s of MOF-74(Ni) and MOF-74(Ni)/NiOOH.

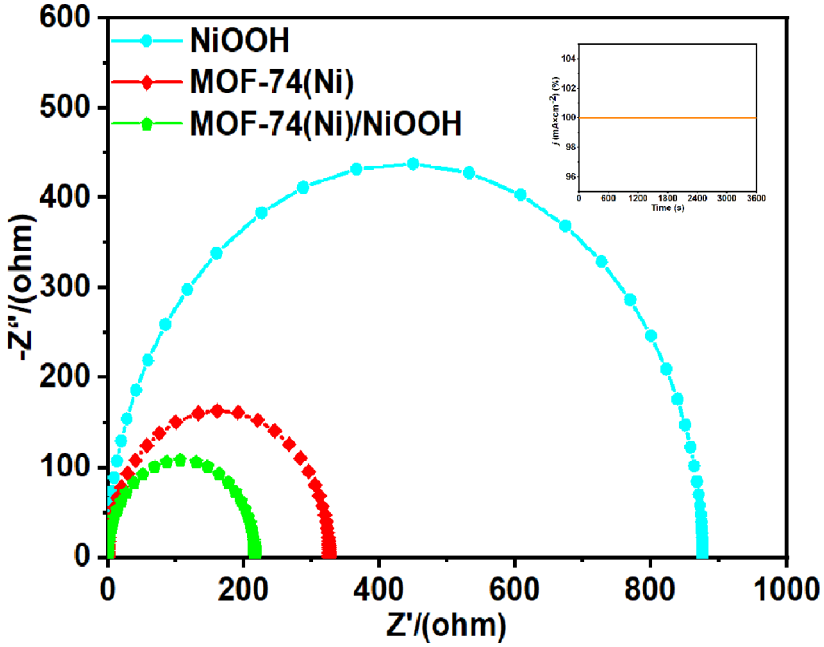


Figure S4. Electrochemical impedance spectra (EIS) of different electrocatalysts.(Inset: Durability measurements for MOF-74(Ni)/NiOOH).

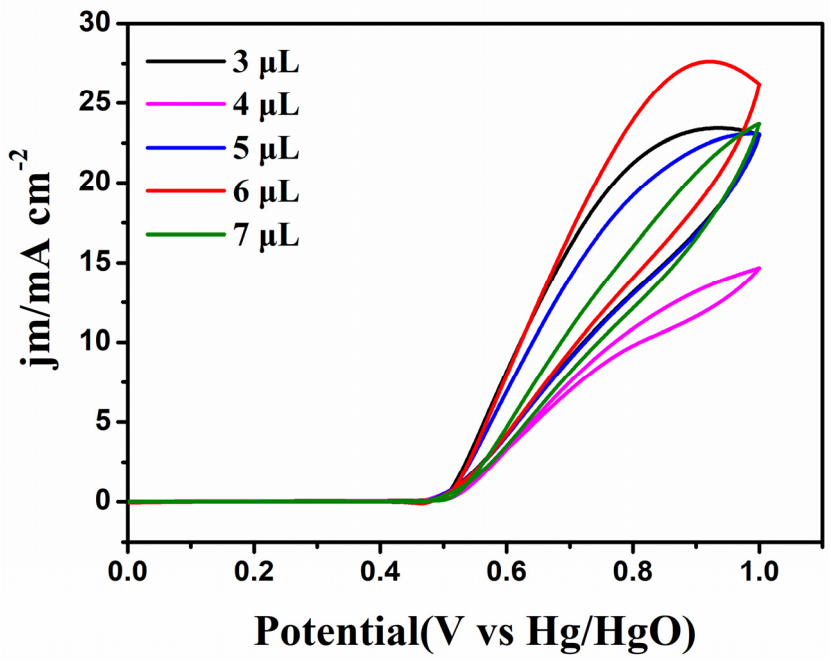


Figure S5. MOR curves of MOF-74(Ni)/NiOOH with different amount operated in 0.1 mol·L^{-1}KOH in presence of 1.0 mol·L^{-1} CH3OH.

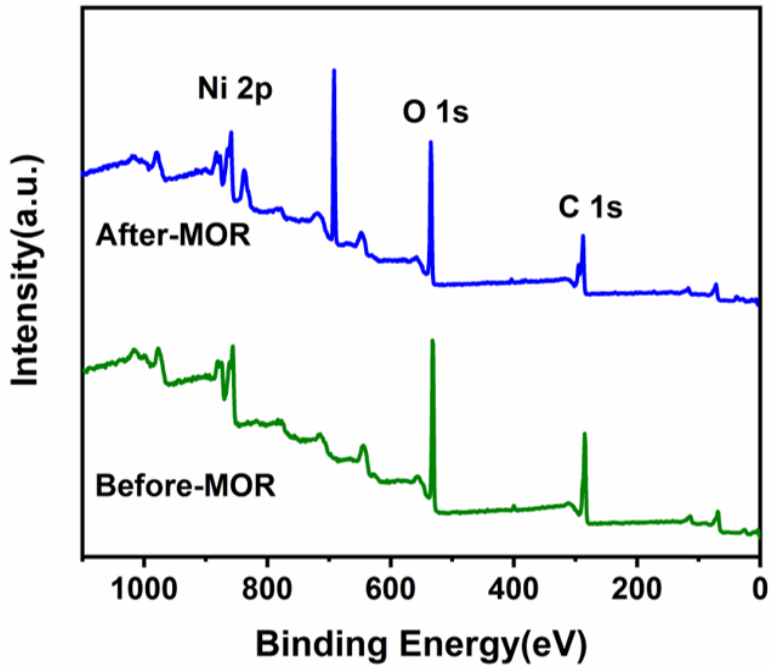


Figure S6. XPS survey spectrum of MOF-74(Ni)/NiOOH before and after MOR.

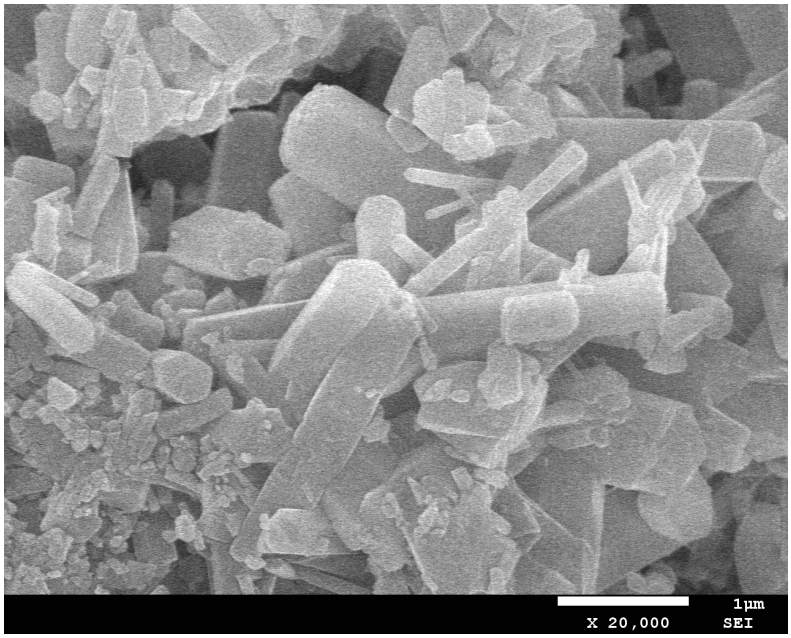


Figure S7.SEM image of MOF-74(Ni)/NiOOH after MOR.