

## Supporting Information

### Amorphous FeOOH nanoparticles decorated on the defect-rich porous Ni MOF nanosheets based hierarchical architectures toward superior OER performance

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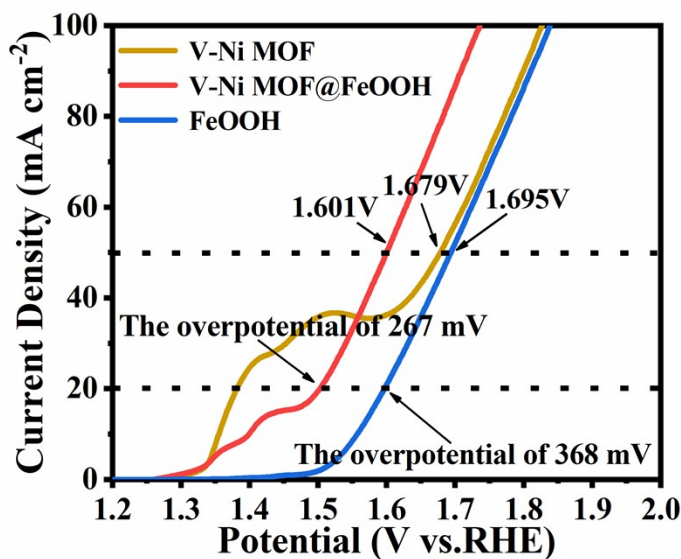


Fig. S1 LSV curves for V-Ni MOF, V-Ni MOF@FeOOH and FeOOH.

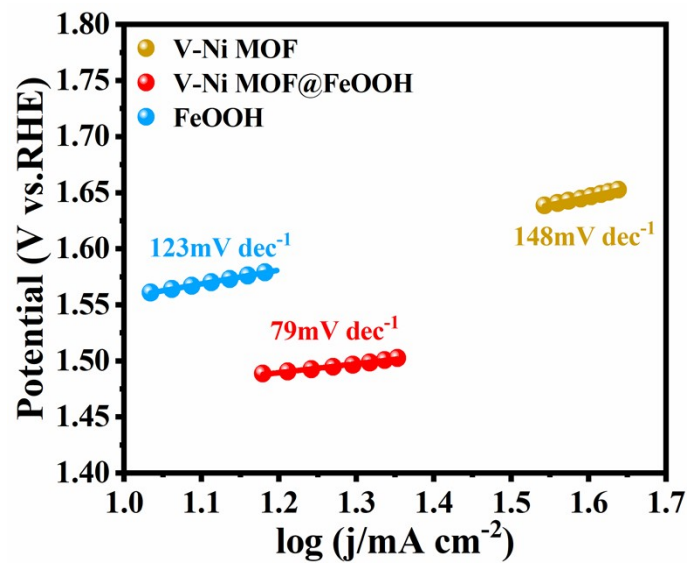


Fig. S2 Tafel slopes for V-Ni MOF, V-Ni MOF@FeOOH and FeOOH.

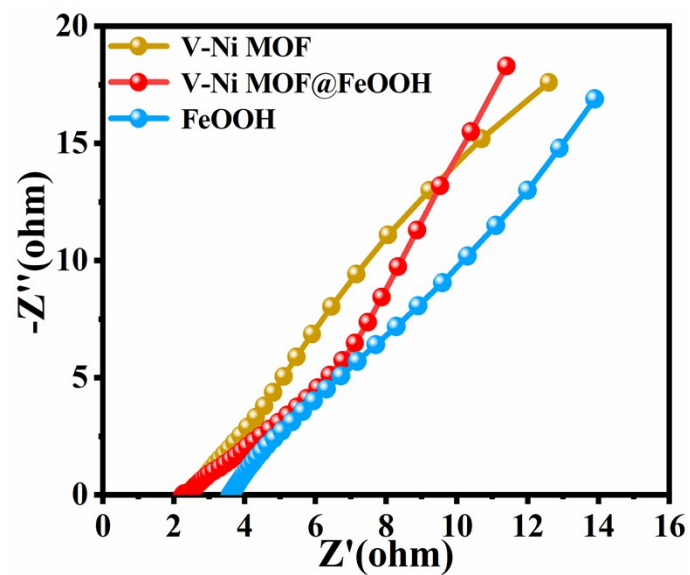


Fig. S3 EIS spectra for V-Ni MOF, V-Ni MOF@FeOOH and FeOOH.