Electronic Supplementary Information
Iron oxide deposited on metallic nickel for water oxidation

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Figure S1 SEM images of the Ni foam.
Figure S2 SEM images of the treated Ni foam with $\text{K}_3\text{FeO}_4$ (A5).
Figure S3 SEM images of the treated Ni foam with $\mathrm{K}_2\mathrm{FeO}_4$ (A10).
Figure S4 SEM images of the treated Ni foam with K₂FeO₄ (A100).
Figure S5 SEM images of the treated Ni foam with K$_2$FeO$_4$ (A200).
Figure S6 SEM images of the treated Ni foam with $\text{K}_2\text{FeO}_4$ (A300).
Figure S7 SEM images of the treated Ni foam with K$_2$FeO$_4$ (A500).
Figure S8 EDX-SEM images of the treated Ni foam with K$_2$FeO$_4$ (A10).
Figure S9 EDX-SEM images of the treated Ni foam with $\text{K}_2\text{FeO}_4$ (A100).
Figure S10 EDX-SEM images of the treated Ni foam with $\text{K}_2\text{FeO}_4$ (A200).
Figure S11 EDX-SEM images of the treated Ni foam with K$_2$FeO$_4$ (A300).
Figure S12 EDX-SEM images of the treated Ni foam with K$_2$FeO$_4$ (A500).
Figure S13 XRD patterns of the Ni foam (black) and the treated Ni foam with K$_2$FeO$_4$ (red).