

Supplementary Materials

Hierarchical Co–Pi Clusters/Fe₂O₃ Nanorods/FTO Micropillars 3D Branched Photoanode for High-Performance Photoelectrochemical Water Splitting

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Supplementary Materials

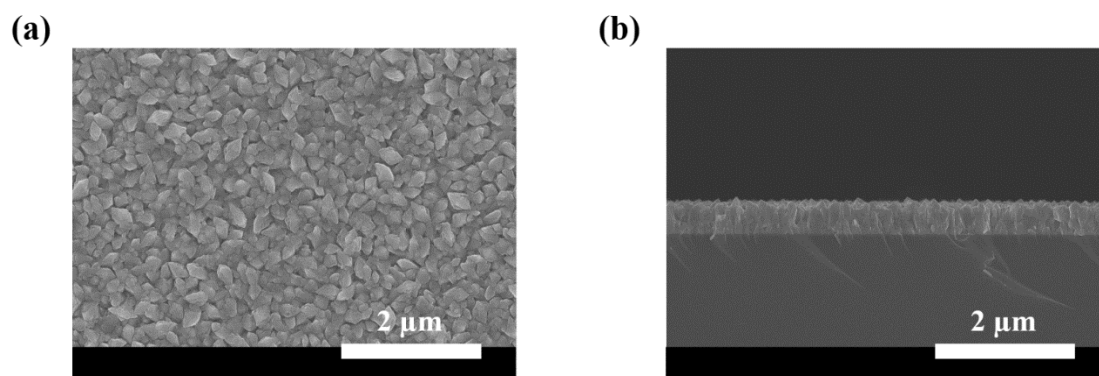


Figure S1. SEM images of FTO-F.

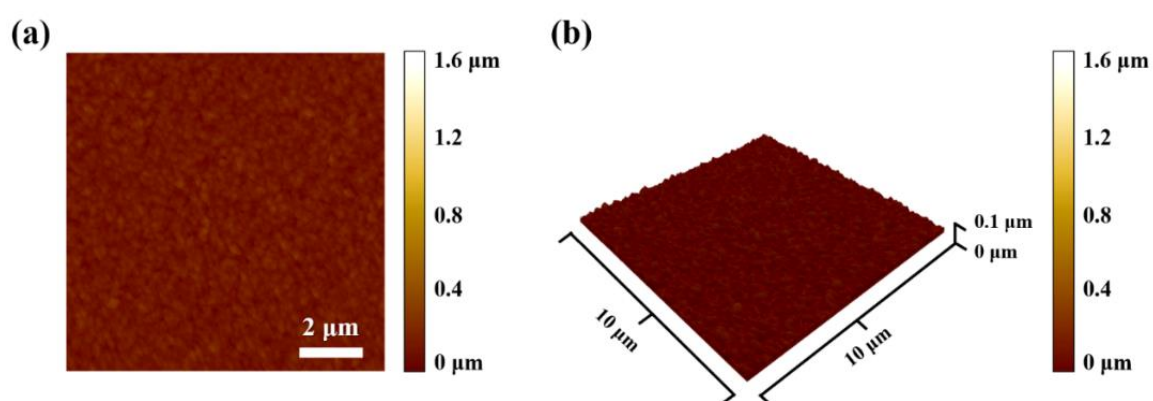


Figure S2. AFM results for FTO-F.

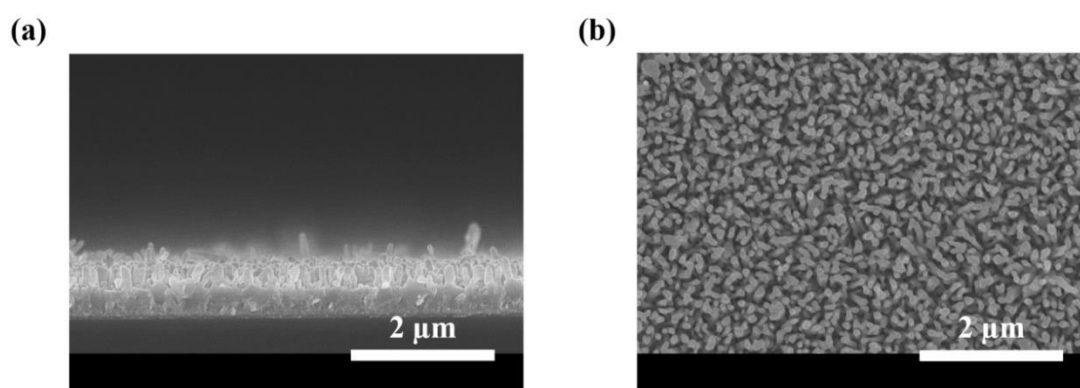


Figure S3. SEM images of the Fe_2O_3 nanorods on FTO-F.

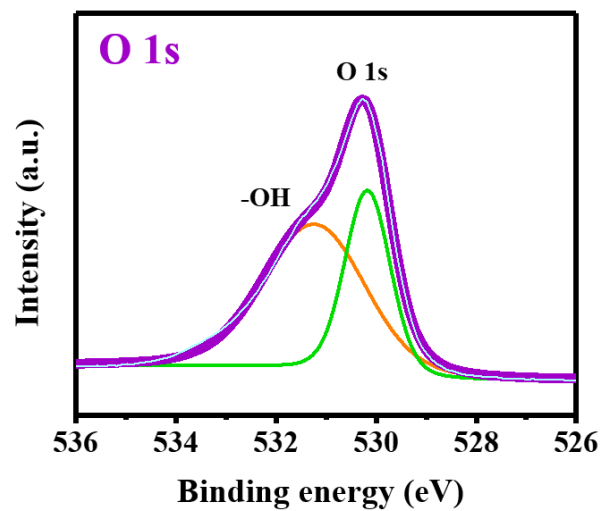


Figure S4. XPS profile of O1s from the Fe₂O₃/Co-Pi sample.

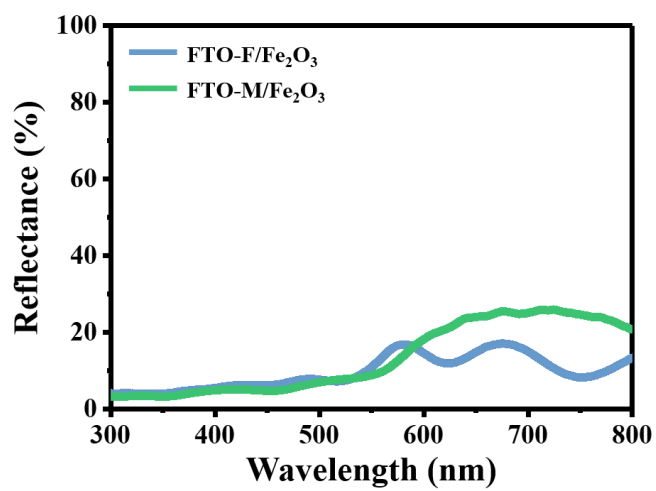


Figure S5. Reflectance of flat Fe₂O₃ and Fe₂O₃-M.

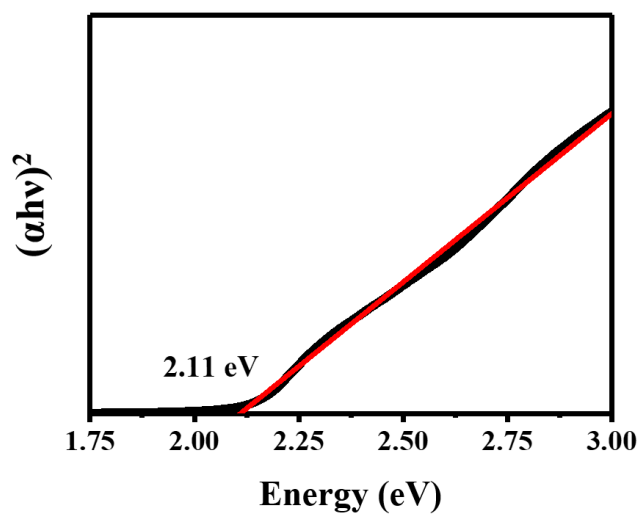


Figure S6. Tauc plot of flat Fe₂O₃.

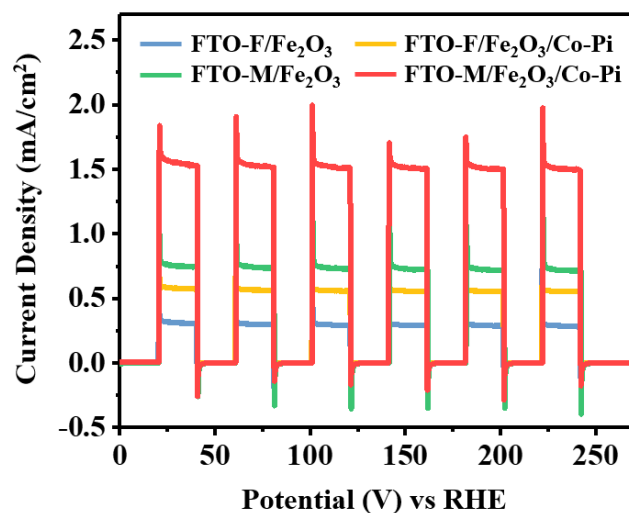


Figure S7. Transient photocurrents of FTO-F/Fe₂O₃, FTO-M/Fe₂O₃, FTO-F/Fe₂O₃/Co-Pi, and FTO-M/Fe₂O₃/Co-Pi in 1 M of NaOH under illumination.

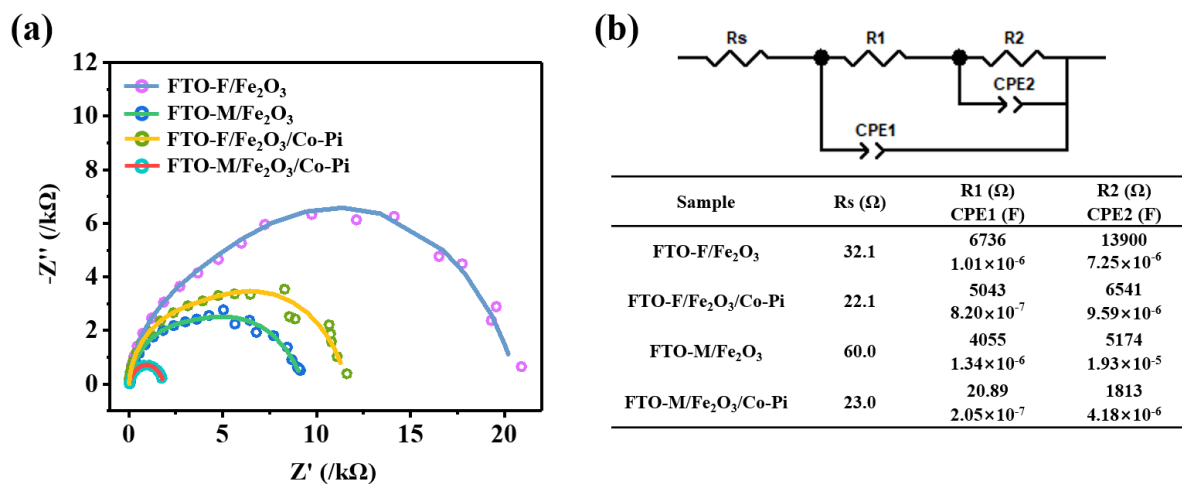


Figure S8. (a) Nyquist plots from electrochemical impedance spectroscopy (EIS). (b) the equivalent circuit model from the fitting results.