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Supporting Information

Photo-catalyzed Surface Hydrolysis of Iridium (III) Ions on Semiconductors: A Facile Method for

Preparation of Semiconductor/IrOx Composite Photoanodes toward Oxygen Evolution Reaction

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Fig. S 1

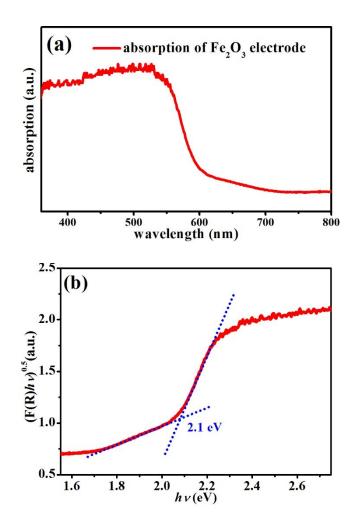


Fig. S1. (a) UV-Vis absorption spectrum and (b) the corresponding Tauc plot of Fe_2O_3 electrode.



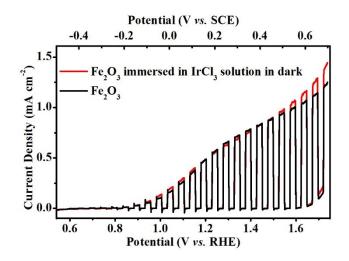


Fig. S2. *J-V* curves of Fe_2O_3 photoanode in 1 M KOH under chopped illumination before (black line) and after (red line) it was immersed in the 2 mM IrCl₃ solution (pH12) for 2 h without irradiation and then rinsed with water. The incident light intensity was 100 mW·cm⁻².