

## Supporting Information

### **Rapid Screening of Photocatalysts by Scanning Electrochemical Microscopy**

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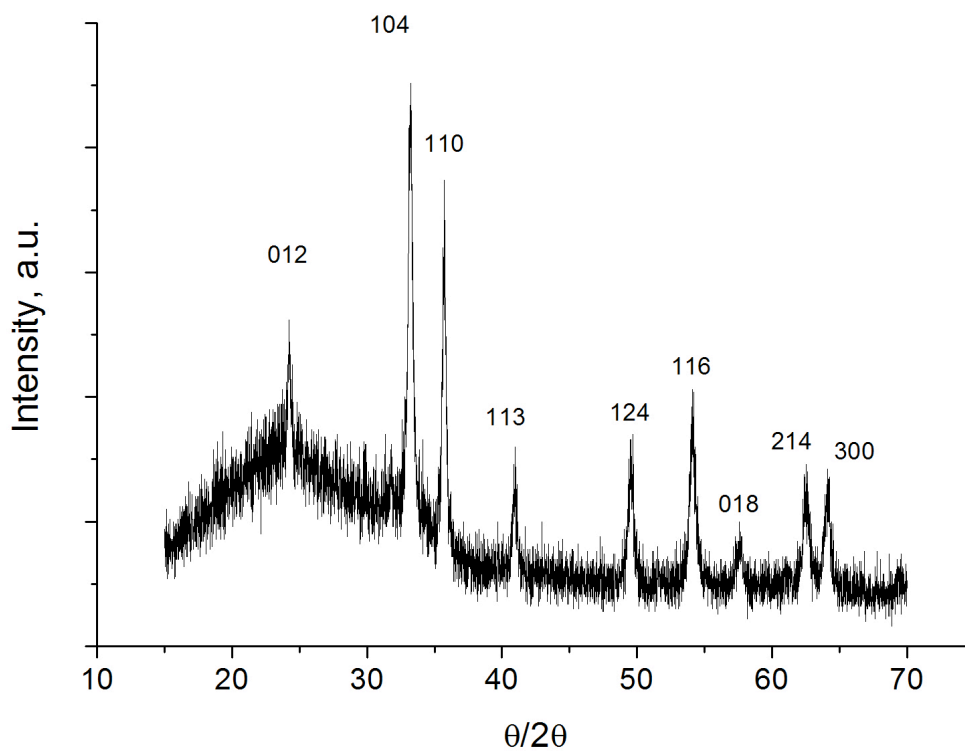


Figure S1. X-ray Diffraction patterns of iron oxide photocatalyst produced via pyrolysis of  $\text{Fe}(\text{NO}_3)_3$ .

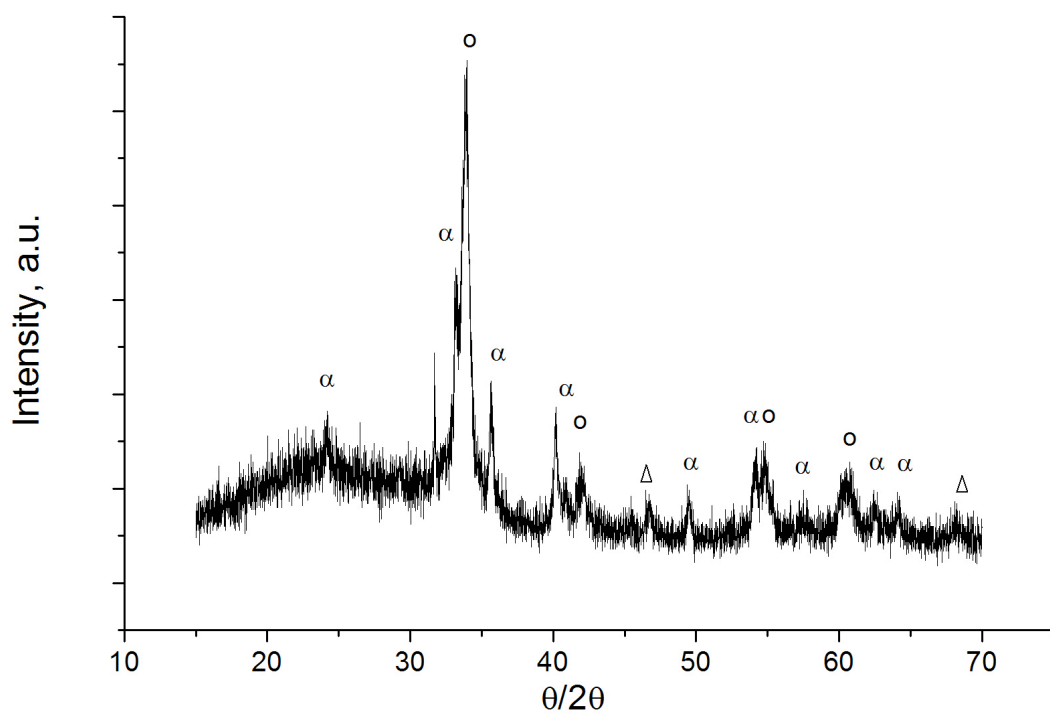


Figure S2. X-ray Diffraction patterns of Fe70/Pd30 photocatalyst.  $\alpha$ ,  $\circ$ , and  $\Delta$  represent peaks for  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>, PdO and Pd, respectively.