

Supplementary Materials: Post Synthetic Defect Engineering of UiO-66 Metal–Organic Framework with An Iridium(III)-HEDTA Complex and Application in Water Oxidation Catalysis

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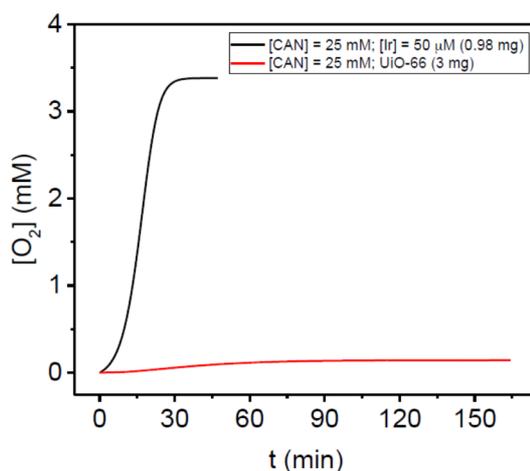


Figure S1. Manometric oxygen evolution of IrEDTA@UiO-66 (black line) and UiO-66 (red line). $[O_2]_{black} = 3.38 \text{ mM}$, $[O_2]_{red} = 0.14 \text{ mM}$.

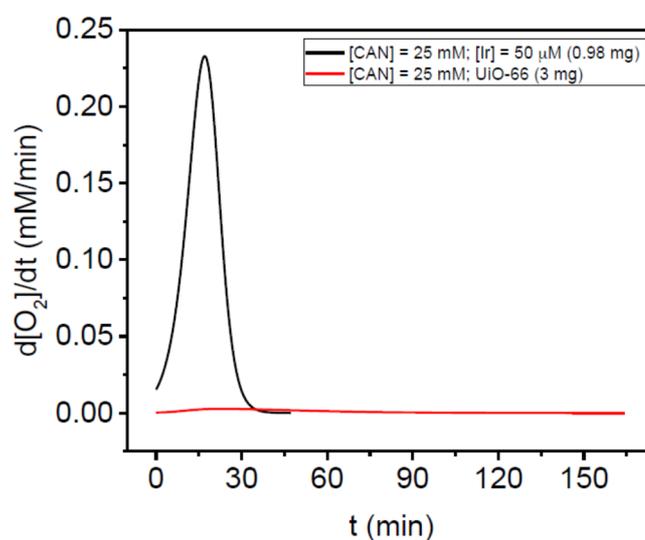


Figure S2. Differential manometric oxygen evolution of IrEDTA@UiO-66 (black line) and UiO-66 (red line). $V_{max} (black) = 0.23 \text{ mM}\cdot\text{min}^{-1}$, $V_{max} (red) = 0.003 \text{ mM}\cdot\text{min}^{-1}$.

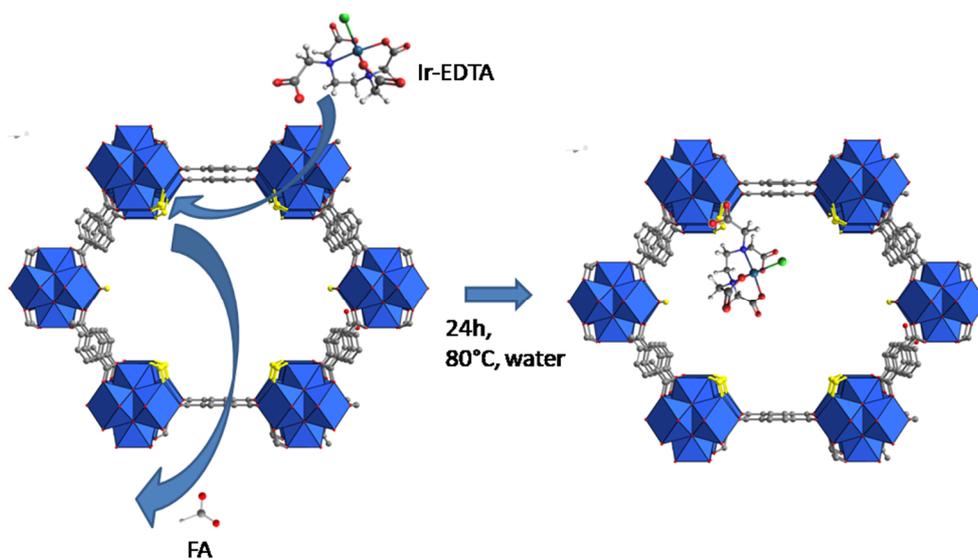


Figure S3. PSDE of FA with IrEDTA complex onto the structure of FA_UiO-66.

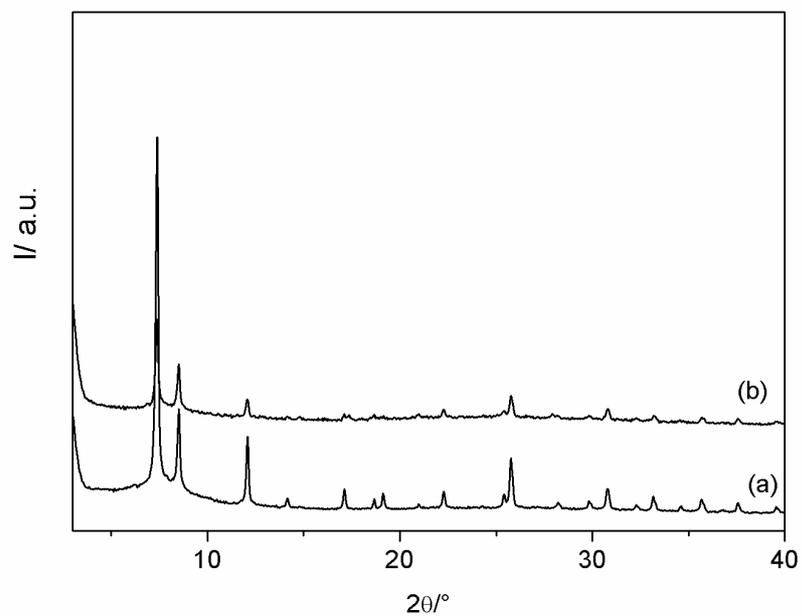


Figure S4. XRPD patterns of IrEDTA@UiO-66(3) before (a) and after (b) three catalytic runs.

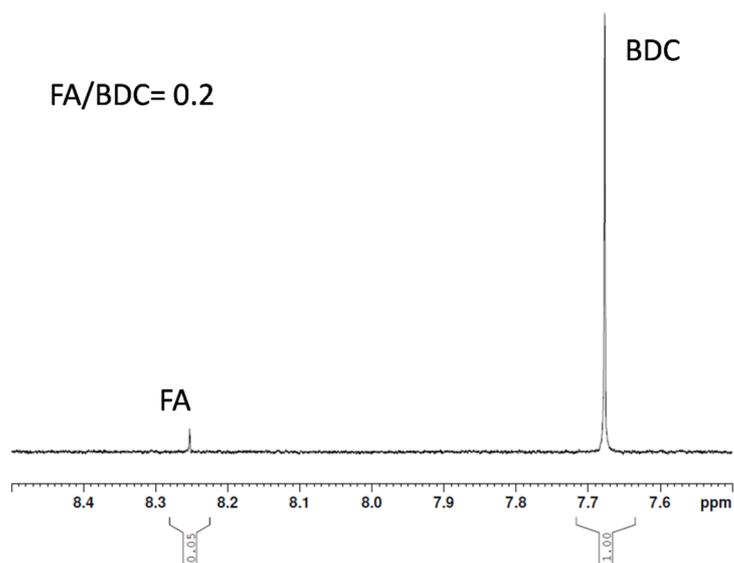


Figure S5. ^1H -NMR spectrum of IrEDTA@UiO-66 after 3 catalytic runs.