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

Giordano Gatto, Alceo Macchioni *, Roberto Bondi, Fabio Marmottini and Ferdinando Costantino *

Figure S1. Manometric oxygen evolution of IrEDTA@UiO-66 (black line) and UiO-66 (red line). [O2]black=3.38 mM [O2]red = 0.14 mM.

Figure S2. Differential manometric oxygen evolution of IrEDTA@UiO-66 (black line) and UiO-66 (red line). Vmax (black) = 0.23 mM·min⁻¹, Vmax (red) = 0.003 mM·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. $^1$H-NMR spectrum of IrEDTA@UiO-66 after 3 catalytic runs.