

Supporting Information

Covalently bonded Ir(IV) on conducted blue TiO₂ for efficient electrocatalytic oxygen evolution reaction in acidic media

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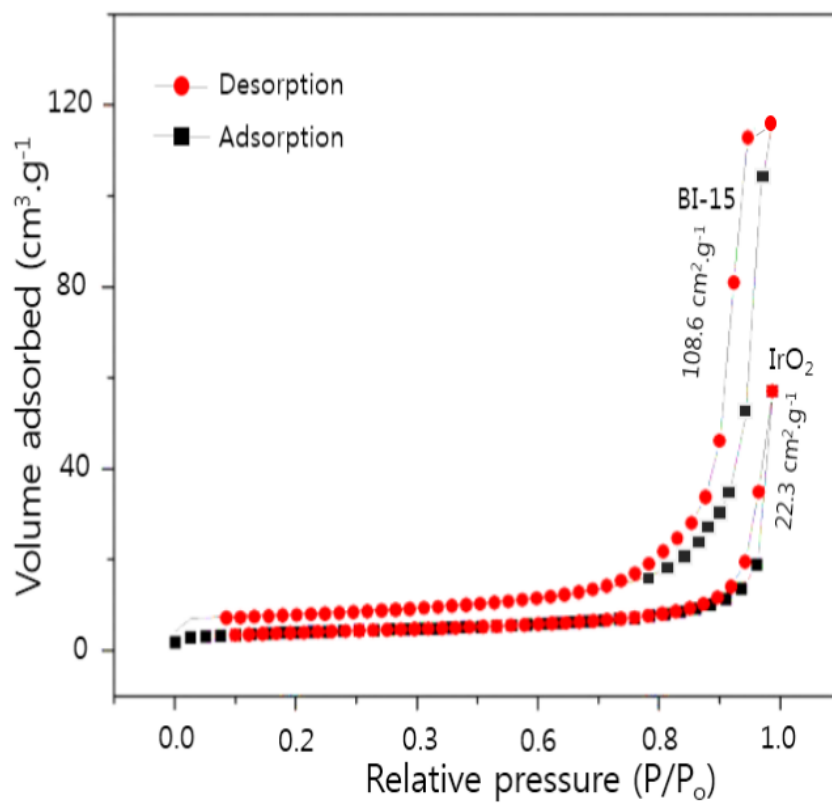


Figure. S1. The Brunauer-Emmett-Teller (BET) surface area of IrO_2 and BI-15 samples.

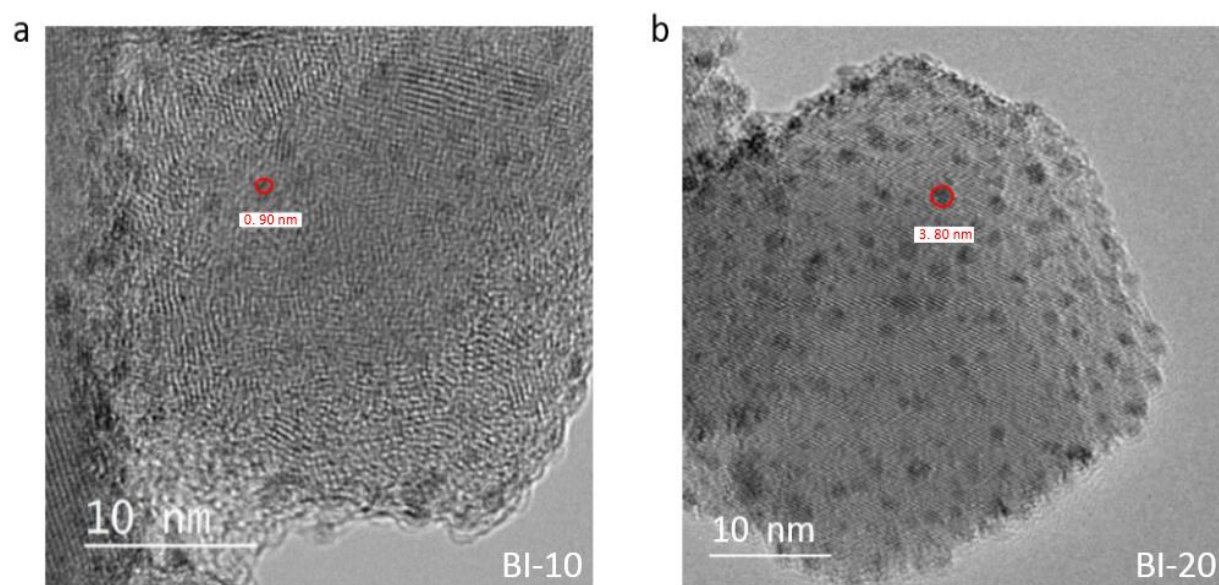


Figure. S2. TEM images showed a different size of IrO₂ on the BI-10 and BI-20 samples.

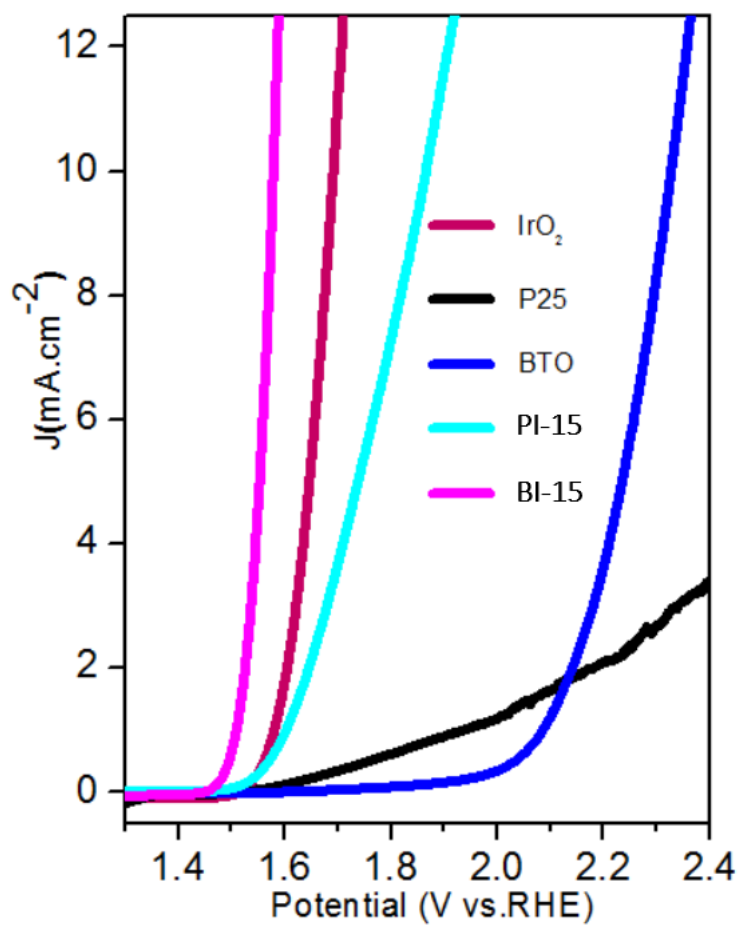


Figure. S3. Comparison of LSV curves of P25, BTO, IrO_2 , PI-15 and BI-15 collected at the scan of $5 \text{ mV}\cdot\text{s}^{-1}$ in 0.1 M HClO_4 electrolyte.

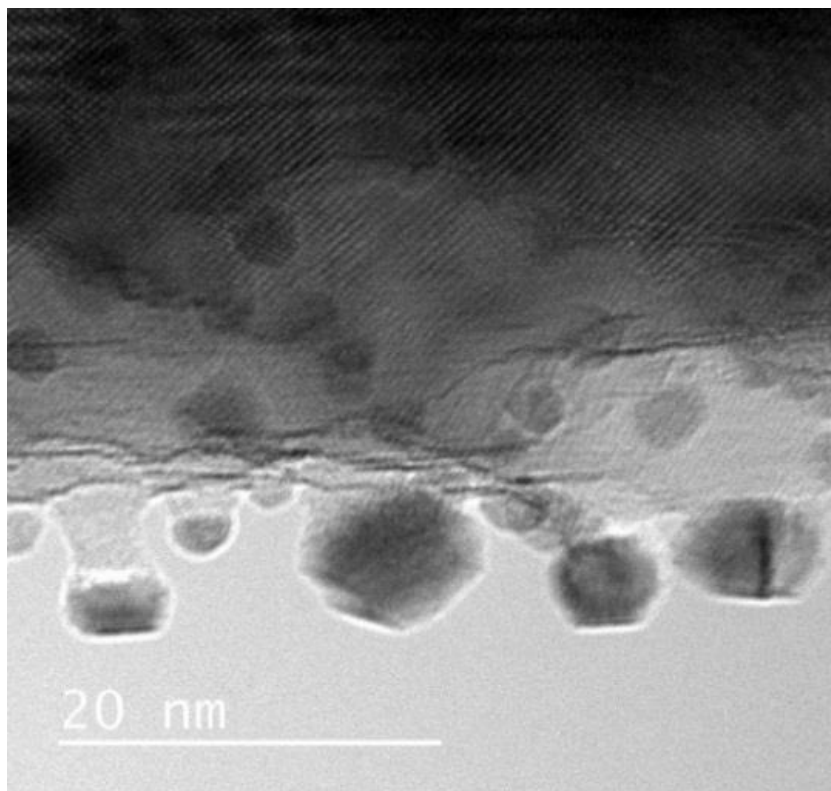


Figure. S4. TEM image of BI-15 after 120 min electrocatalytic OER in 0.1 M HClO₄.

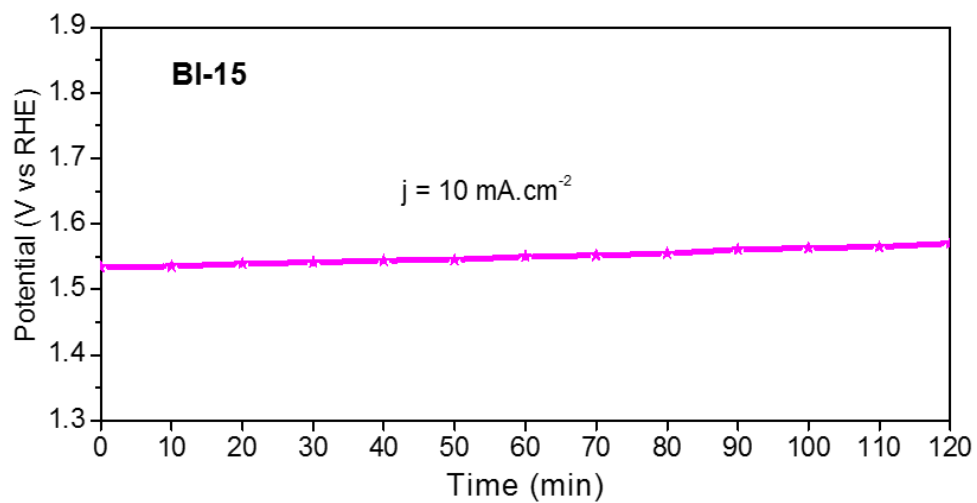


Figure. S5. Acid stability test of BI-15 catalyst in 0.1 M HClO₄ electrolyte using chronoamperometry at a potential 1.54 V and a current density of 10 mA·cm⁻².