

# **From Design to Efficiency: Cobalt-Based MOFs For Efficient and Stable Electrocatalysis in Hydrogen and Oxygen Evolution Reactions**

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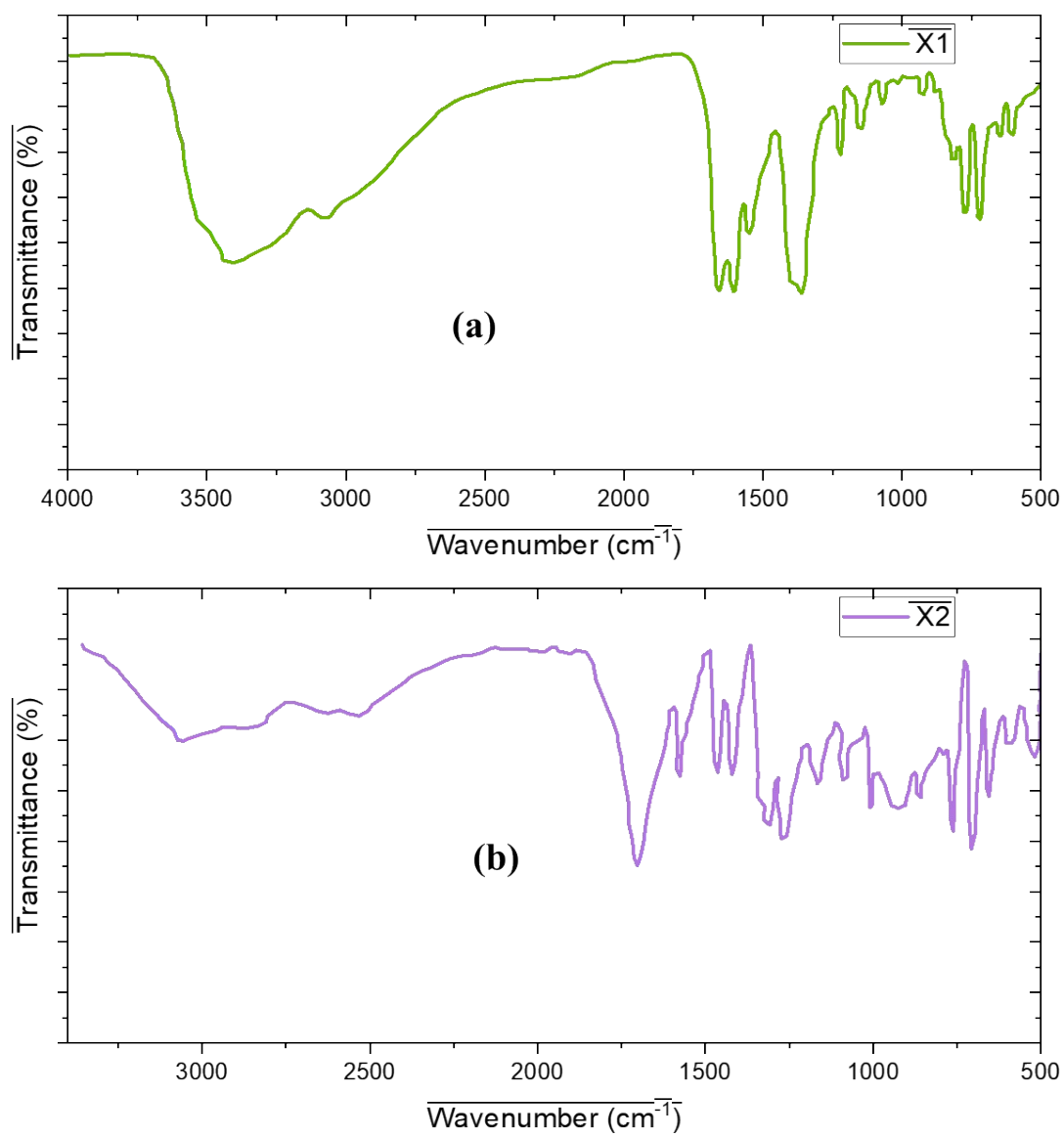
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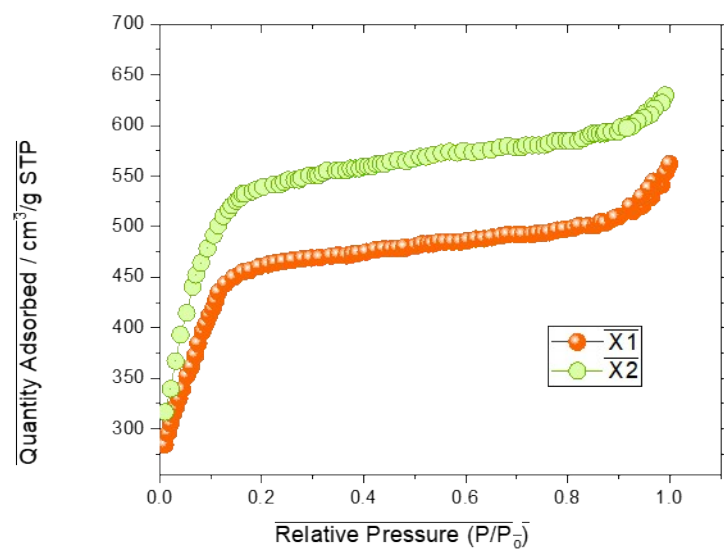
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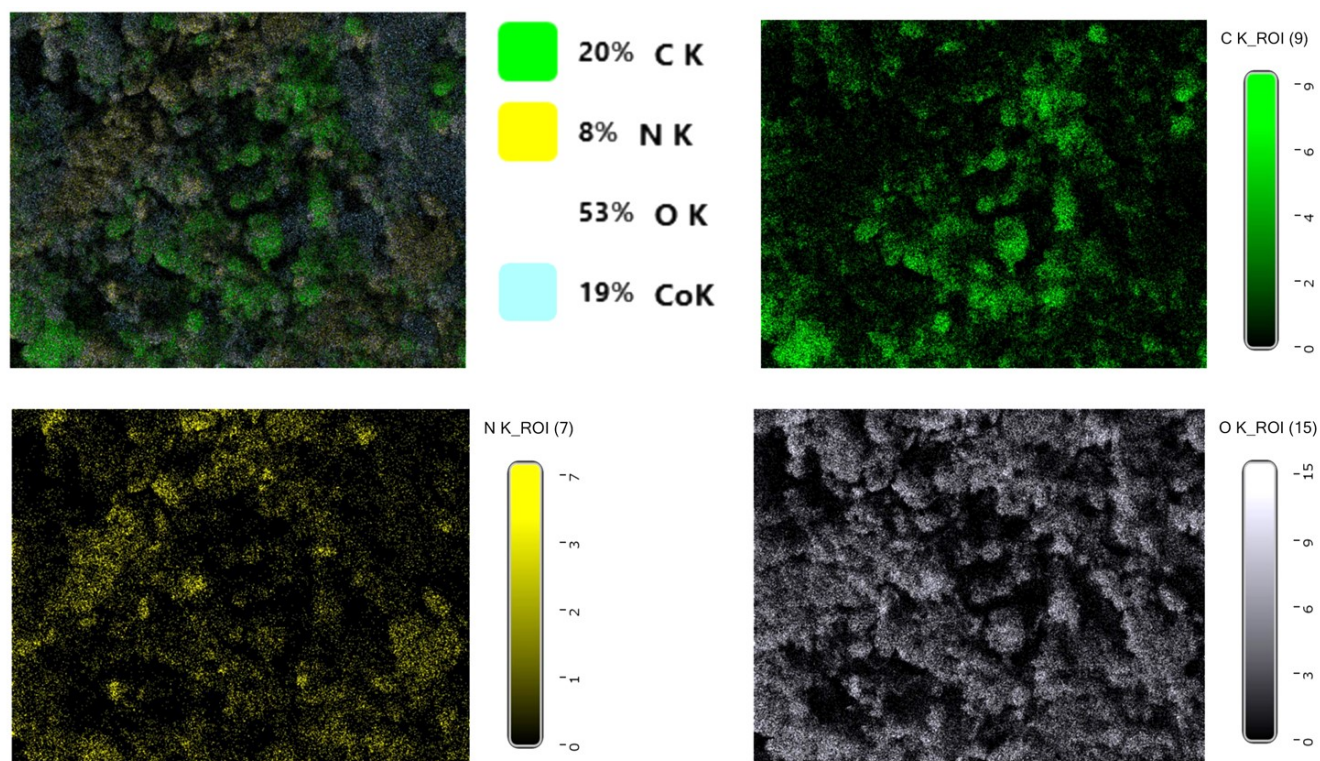
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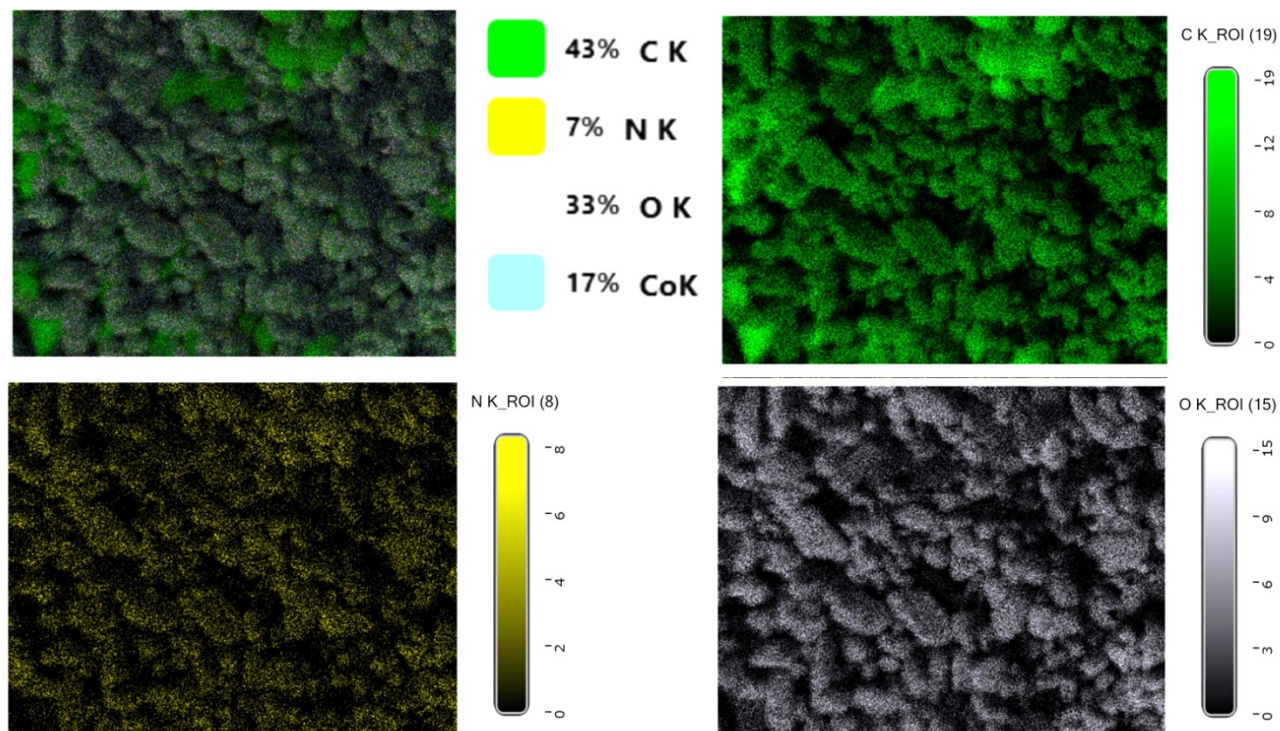
**Figure S1:** FTIR spectrum of X1 and X2.



**Figure S2:** BET results of X1 and X2



**Figure S3:** Elemental mapping of X1.



**Figure S4:** Elemental mapping of X2.