

SUPPORTING INFORMATION

Cobalt Benzimidazole Swapped Metal-Organic Macrocycle with Reduced Graphene Oxide as a Hybrid Electrocatalyst for Highly Efficient Oxygen Evolution Reaction

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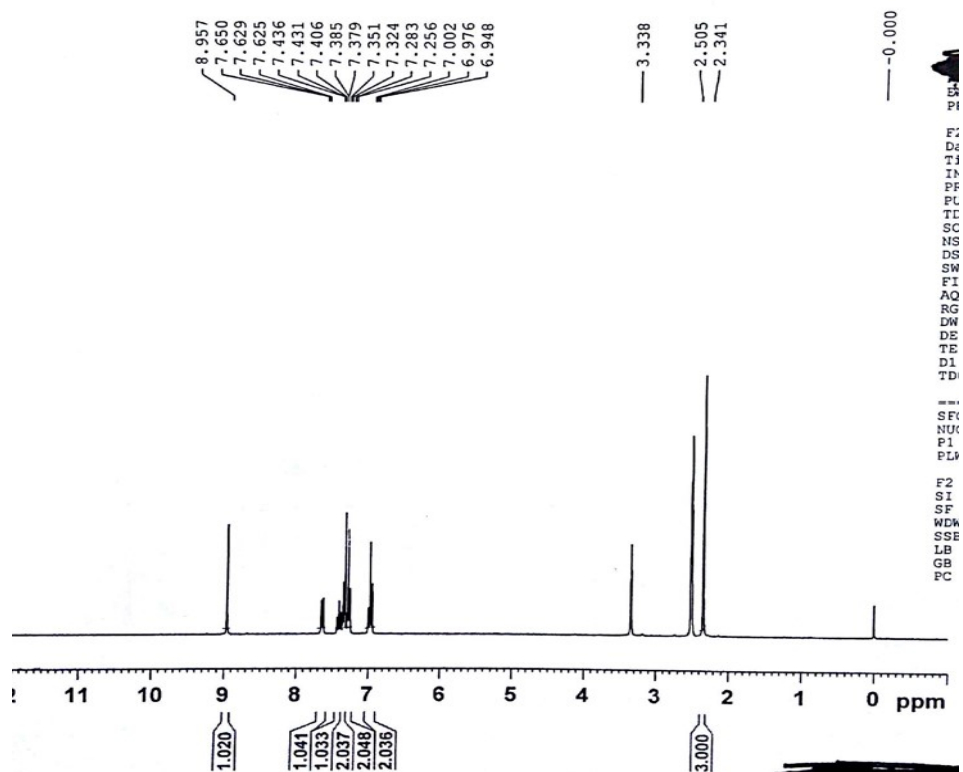


Figure S1. NMR spectra for precursor compound (I)

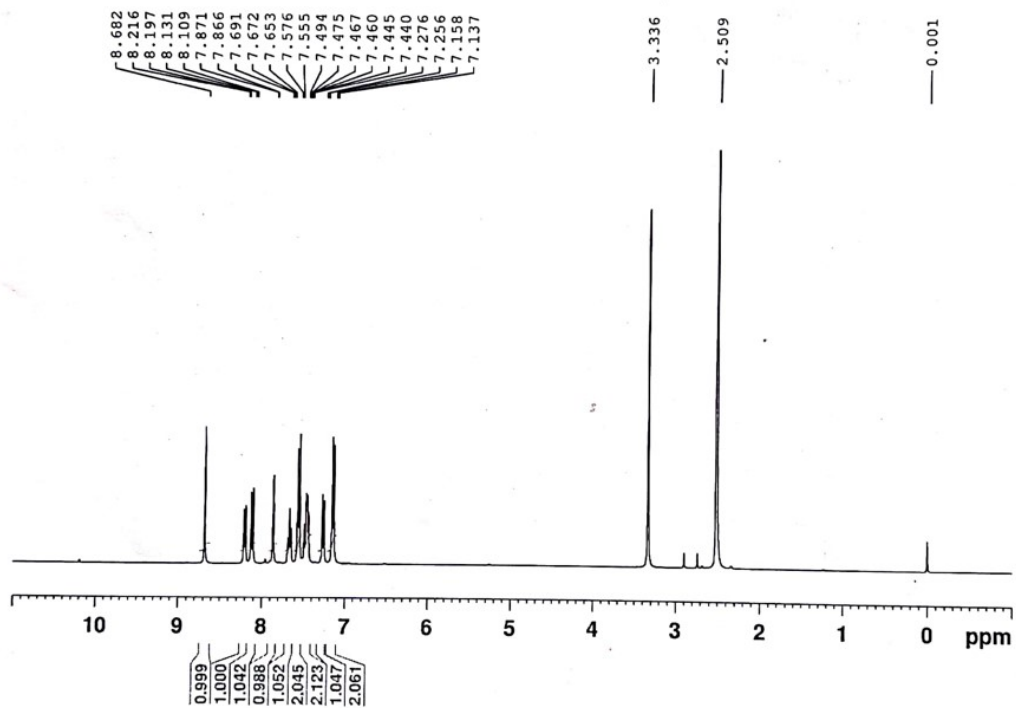


Figure S2. NMR spectra for phthalonitrile ligand (II)

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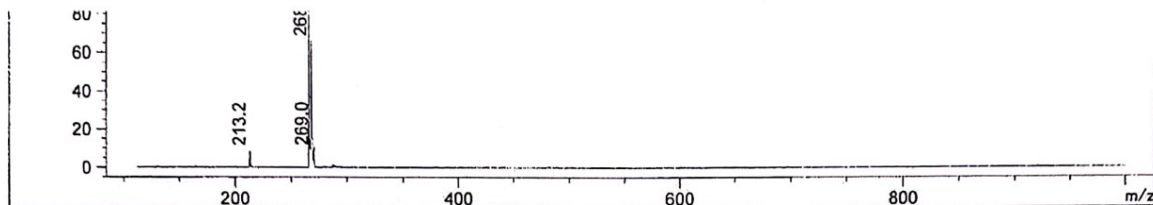


Figure S3. Mass spectrum for precursor (I) with mass fragment $M^{-2} = 269$.

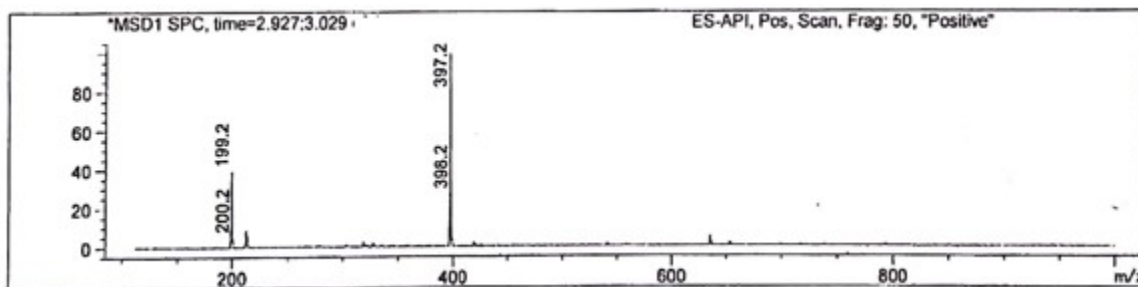


Figure S4. Mass spectrum for ligand (II) with mass fragment $M^{-1} = 397$.

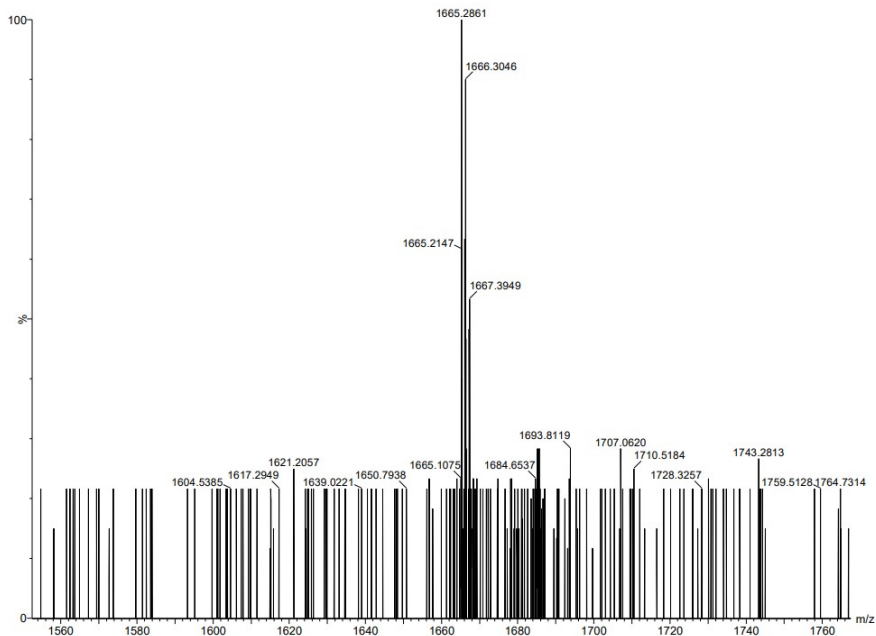


Figure S5. Mass spectrum for CoTBImpc (III) with mass fragment $M^{+1} = 1665$.

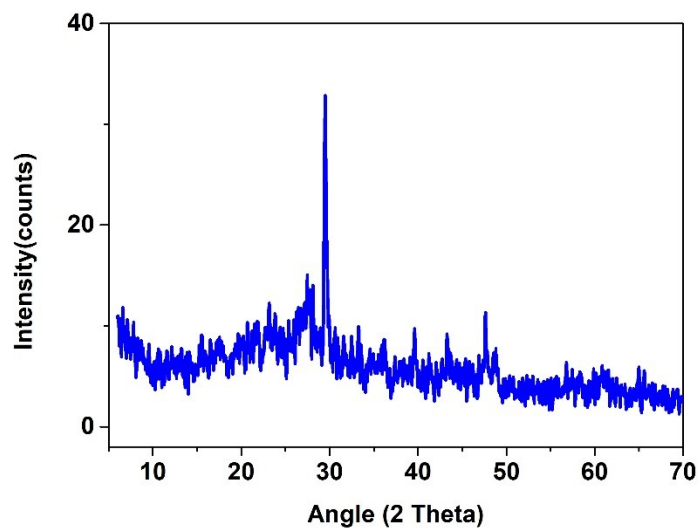


Figure S6. XRD profile for CoTBImpc (III) phthalocyanine complex.

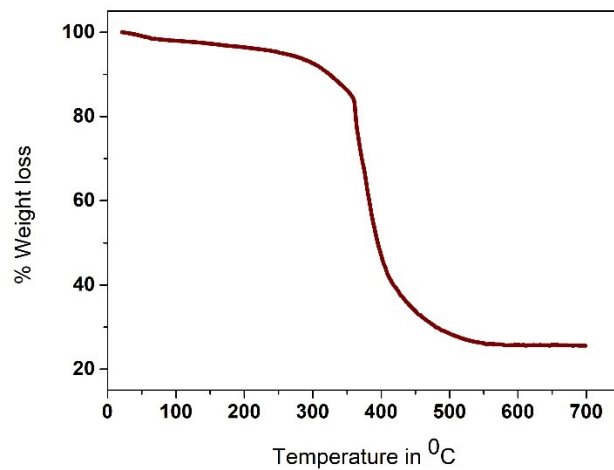


Figure S7. TGA analytical curve for COTBImpc(III) phthalocyanine complex.

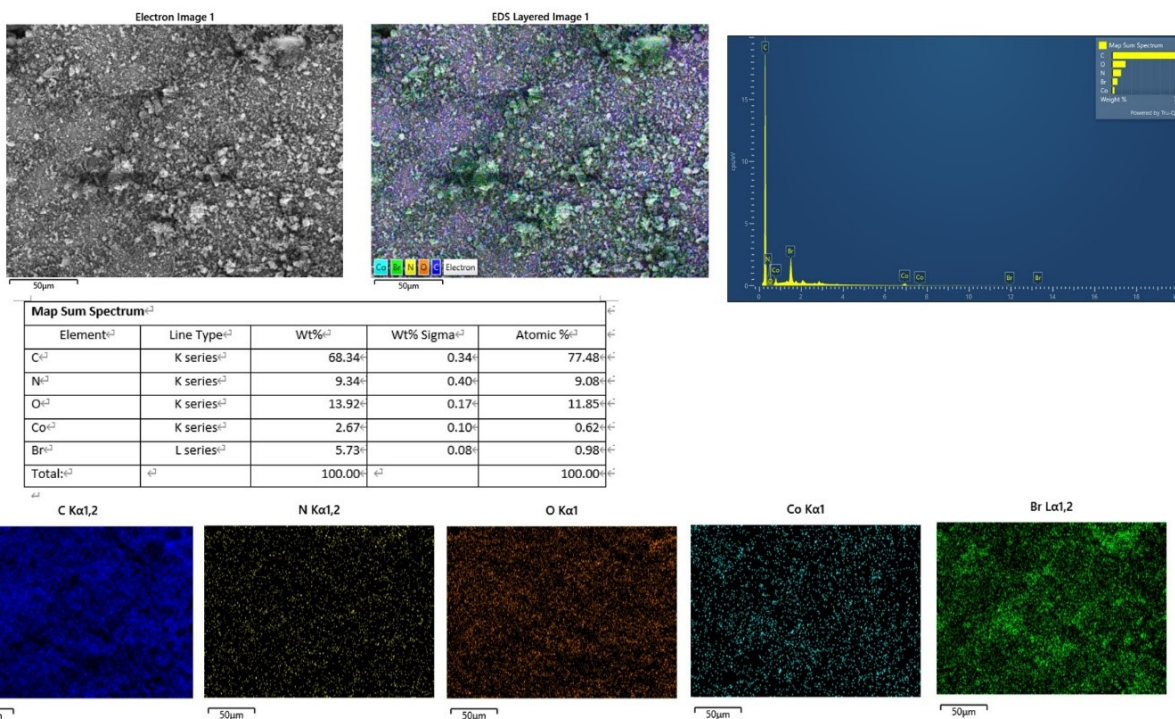


Figure S8. EDX spectra of CoTBImpc (III) phthalocyanine complex.

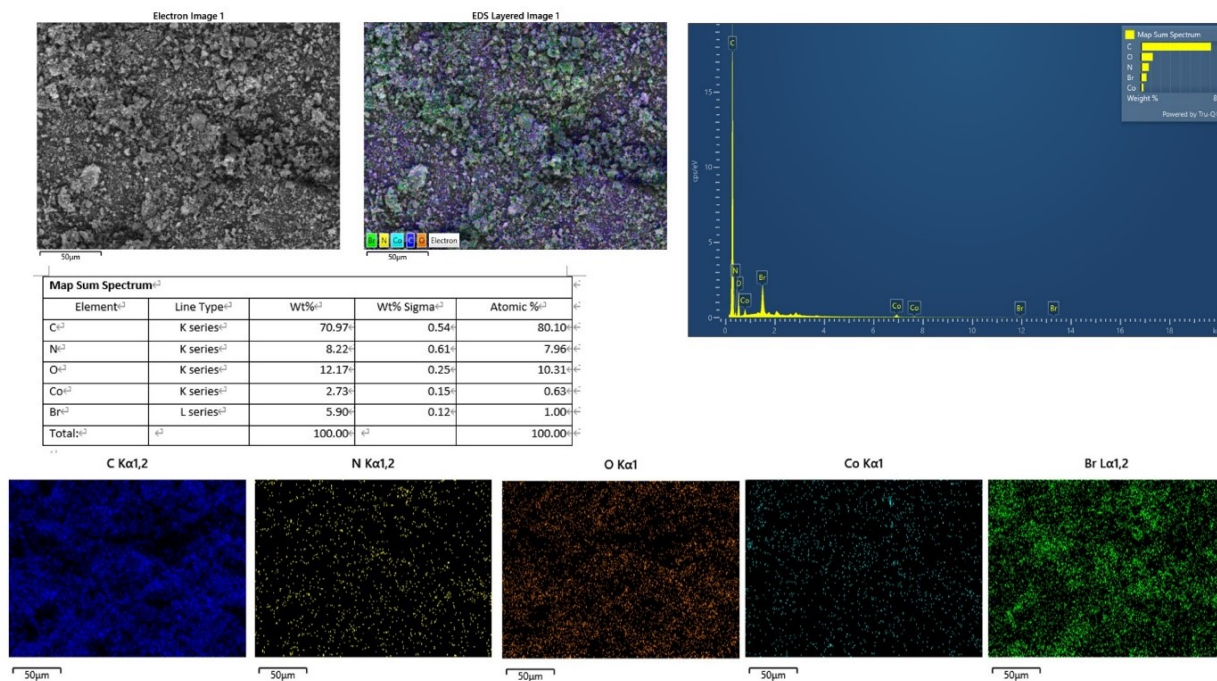


Figure S9. EDX spectra of CoTBImpc/rGO hybrid phthalocyanine complex.

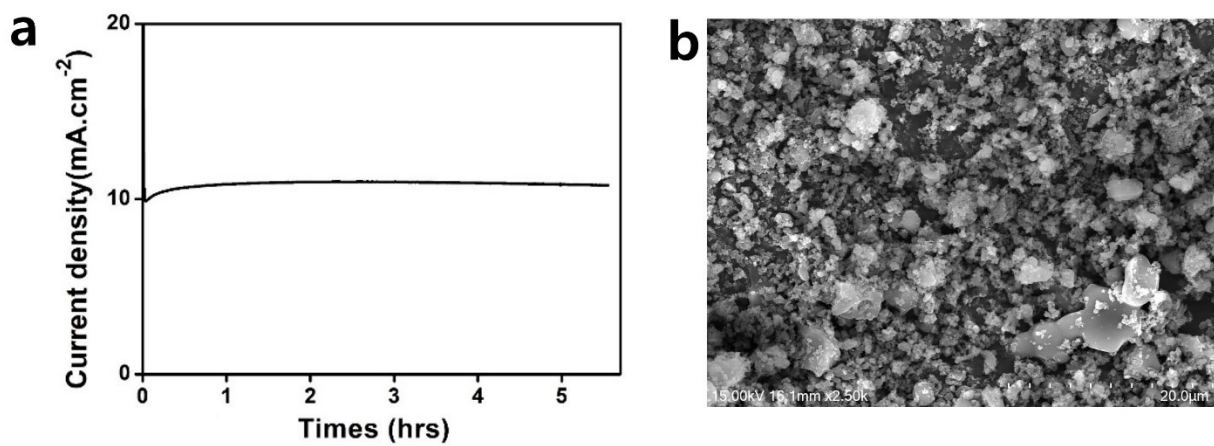


Figure S10 a. Stability curve for CoTBImpc/rGO hybrid; **b.** SEM image of CoTBImpc/rGO electrode after stability studies.