

# **Experimental And Theoretical Insight of Benzene-1,4-Dicarboxylic Acid Based Co-MOF: An Anodic Material for Expedient Battery- Supercapacitor Hybrids**

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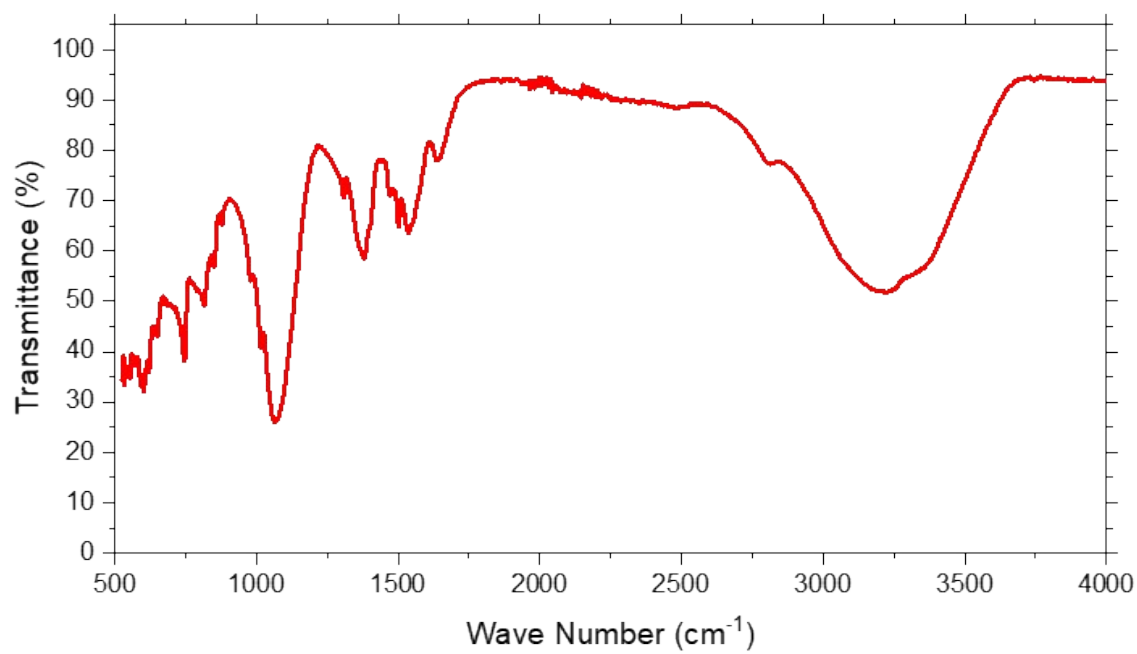
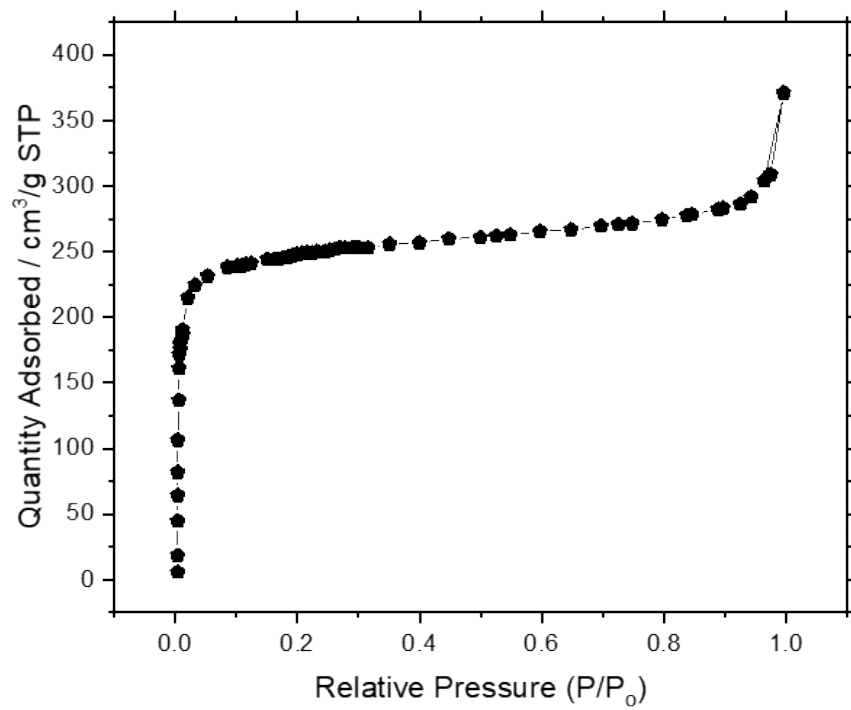
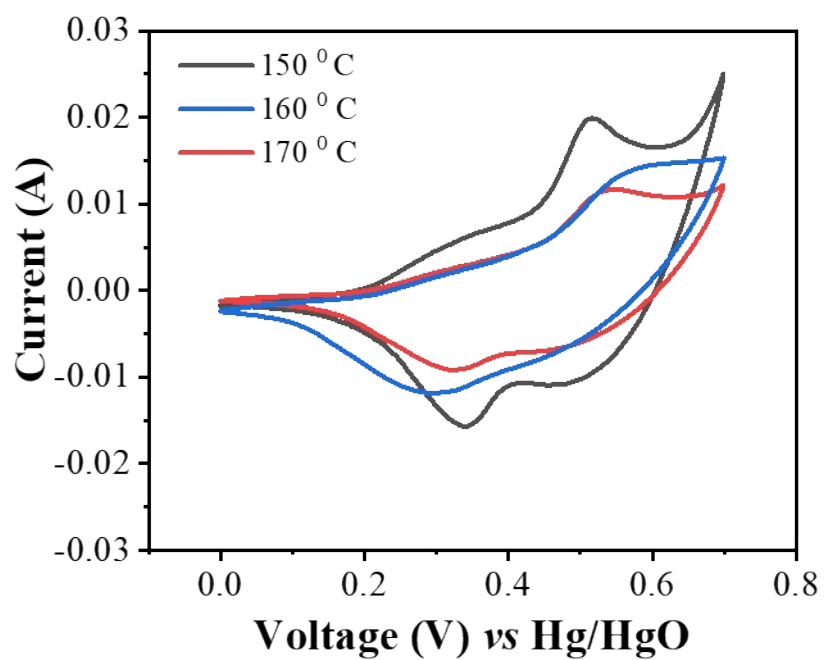


Figure S1: FTIR results of Co-MOF.



**Figure S2:** N<sub>2</sub> adsorption/desorption curve



**Figure S3:** CV outcomes of Co-MOF synthesized via hydrothermal approach employing different thermal environment, indicating the dominant performance of one synthesized at 150 °C

