

Evaluating the Electrocatalytic Activity of Flower-like Co-MOF/CNTs Nanocomposites for Methanol Oxidation in Basic Electrolyte

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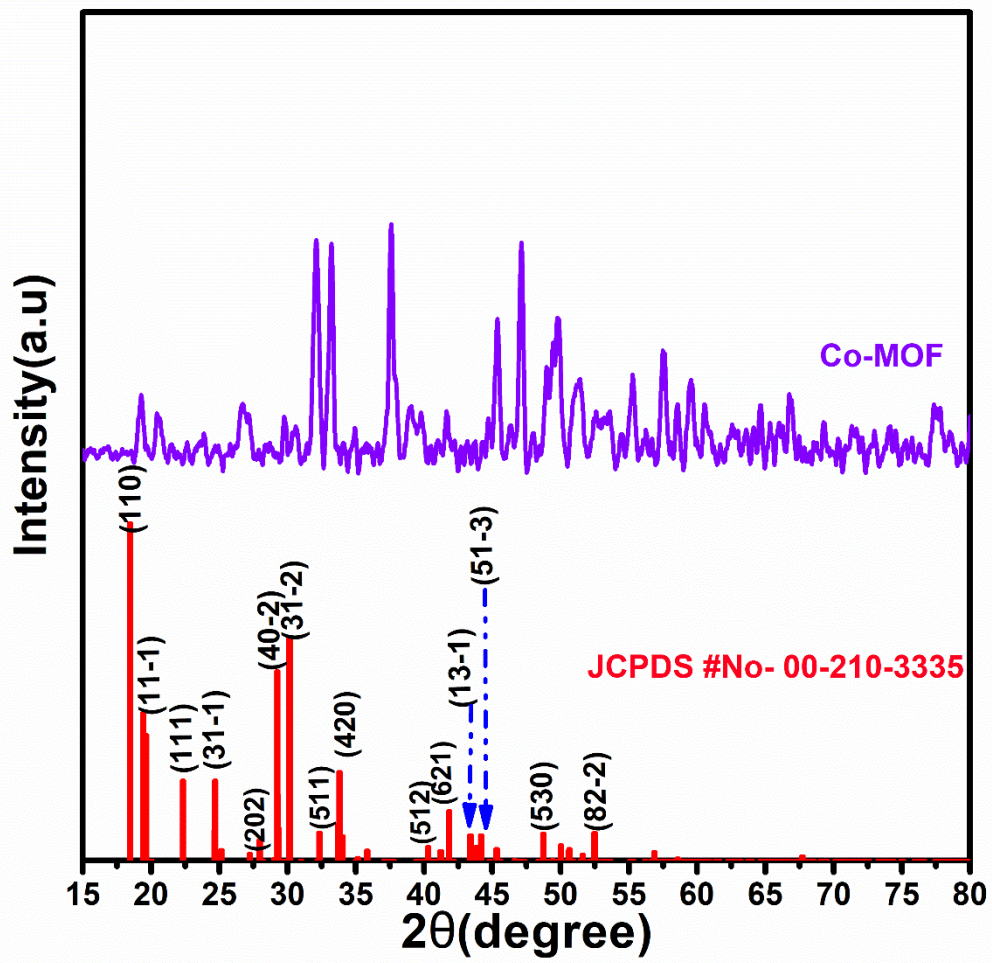


Fig.S1: XRD patterns of Co-MOF ,and its JCPDS card .

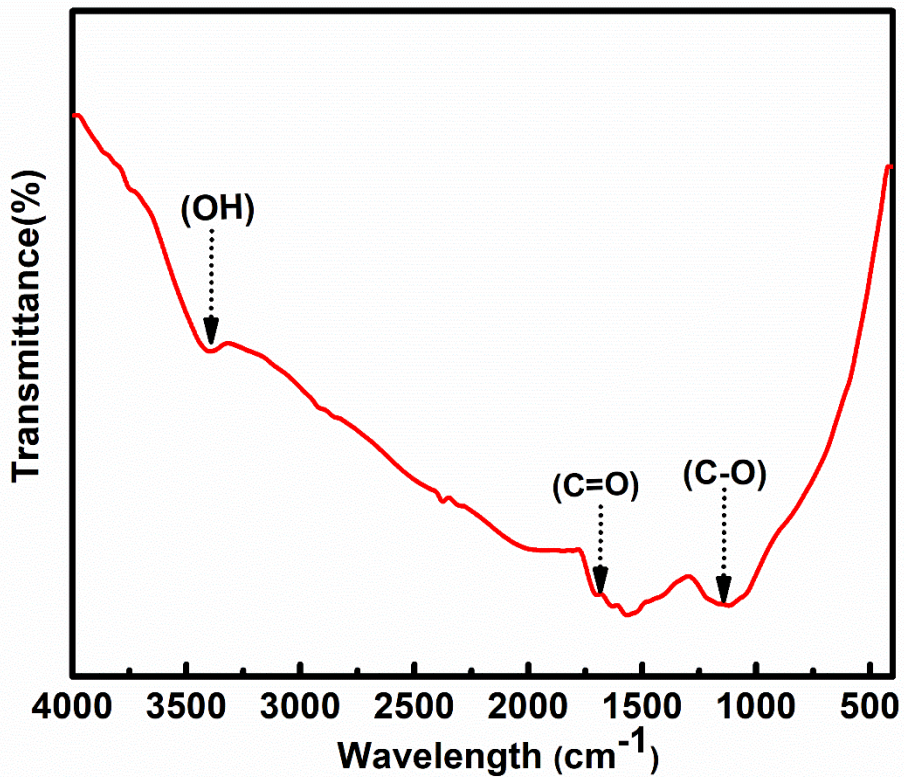


Fig.S2: FT-IR spectra of the CNTs.

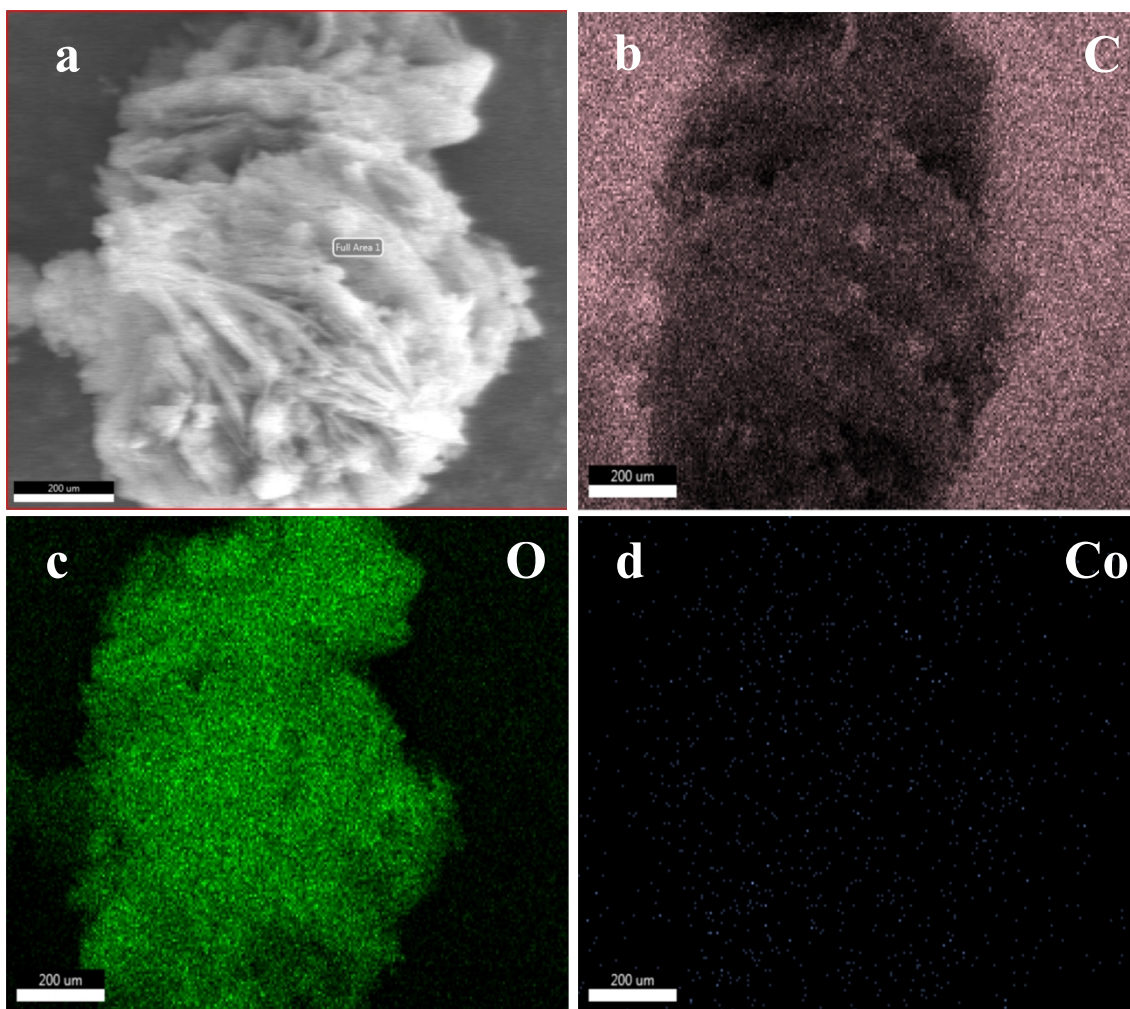


Fig.S3: Elemental mapping analysis of the Co-MOF/50%CNT Catalyst.

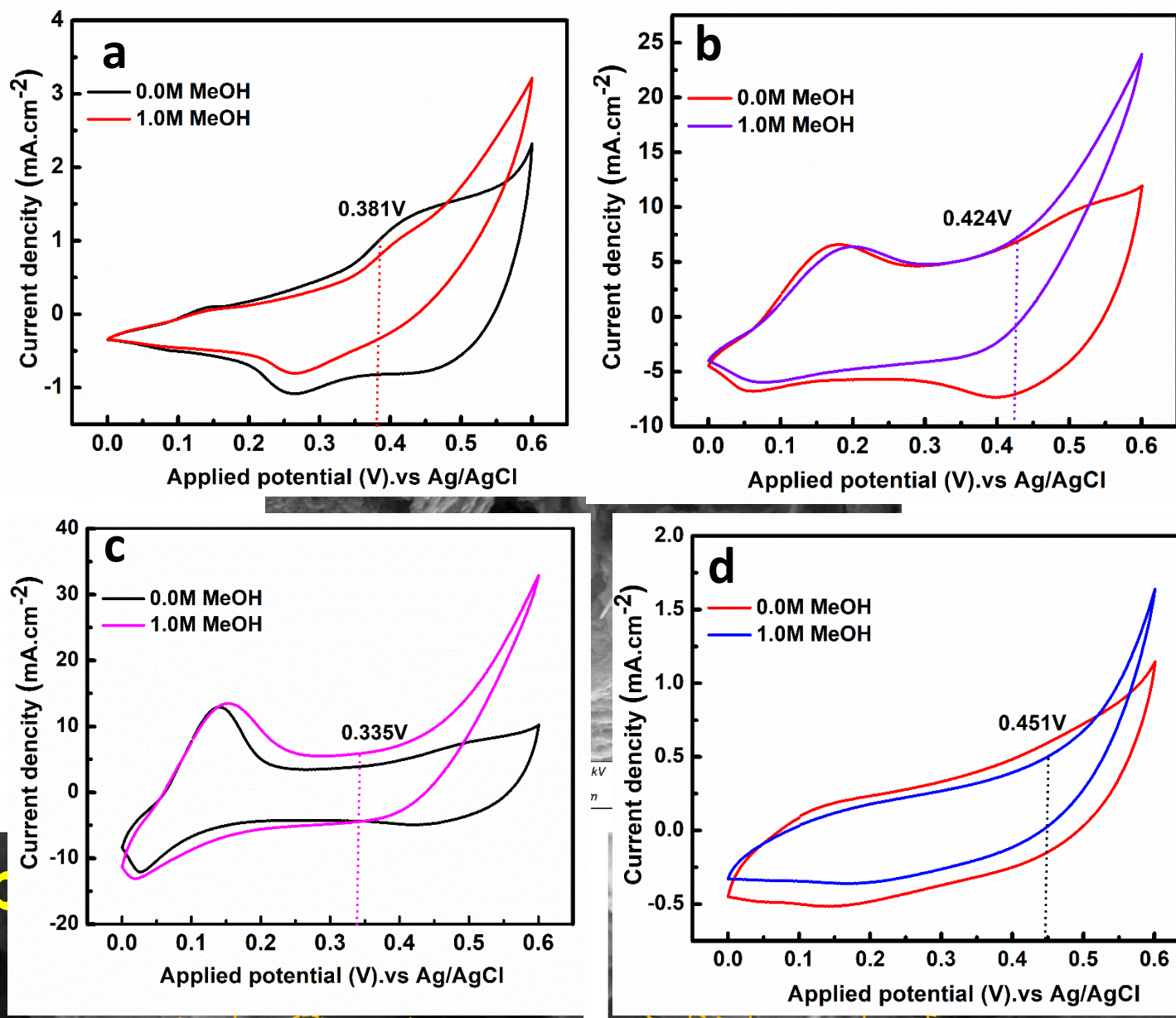


Fig S4: CV curves of (a) Co-MOF, (b) Co-MOF/25%CNT, (c) Co-MOF/50%CNT, and (d) Co-MOF/75%CNT catalysts in 0.5M NaOH with and without 1.0M MeOH at a scan rate $50 \text{ mV}\cdot\text{s}^{-1}$.

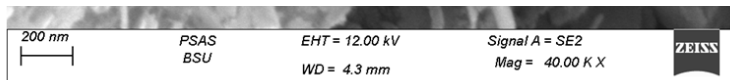
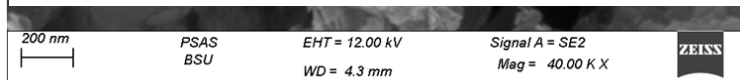


Fig S5: (a-c) FESEM images of Co-MOF/50%CNTs after methanol oxidation reaction at $50 \text{ mV}\cdot\text{s}^{-1}$ in 0.5M NaOH and 1M methanol.