

Tweaking electrocatalytic ability of Cu-MOF by the inclusion of PTA: A selective electrochemical sensor for Resorcinol

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Supplementary Information

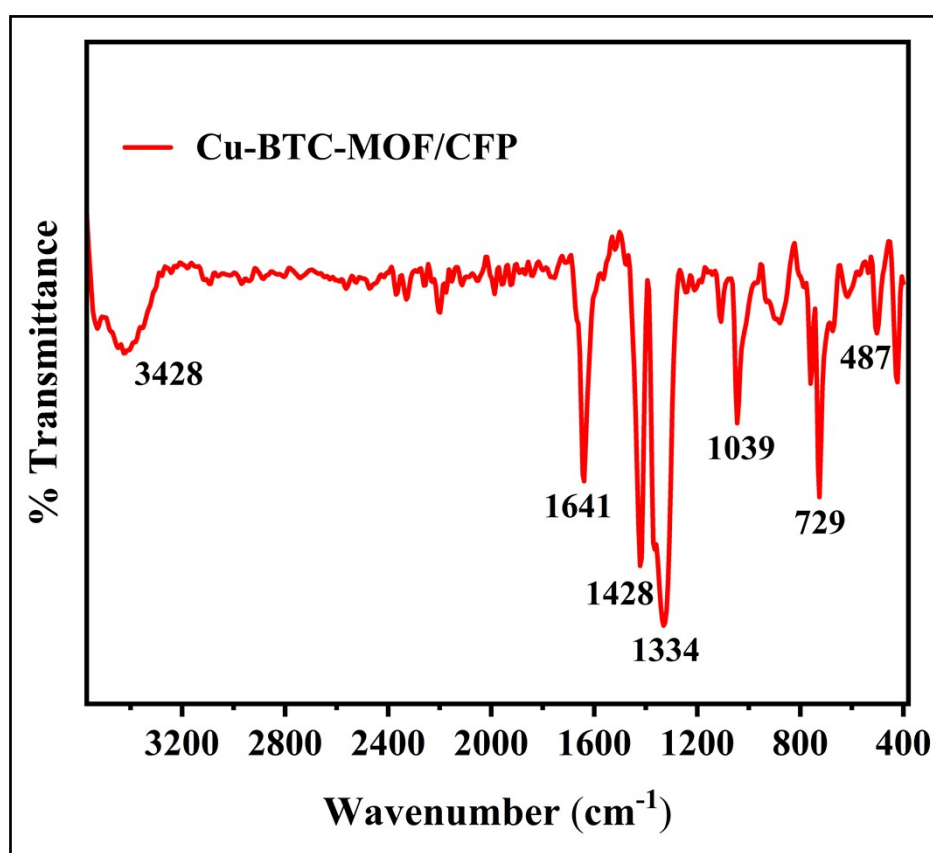


Fig. S1. FTIR spectrum of Cu-BTC-MOF/CFP electrode.

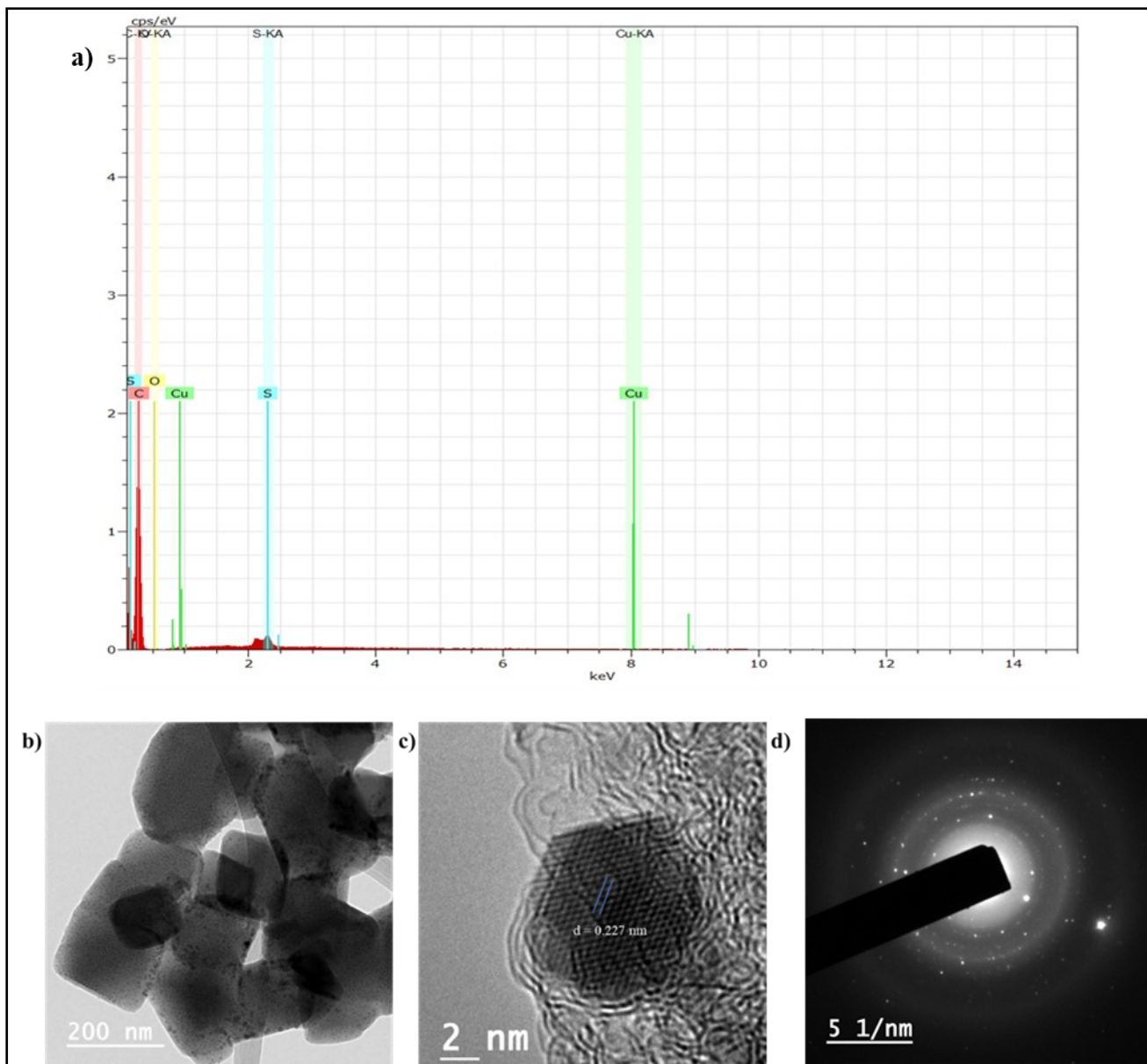


Fig. S2. a) EDS spectra of Cu-BTC-MOF/PTA/CFP b) and c) HRTEM images of Cu-BTC-MOF/CFP d) SAED pattern of Cu-BTC-MOF/CFP.

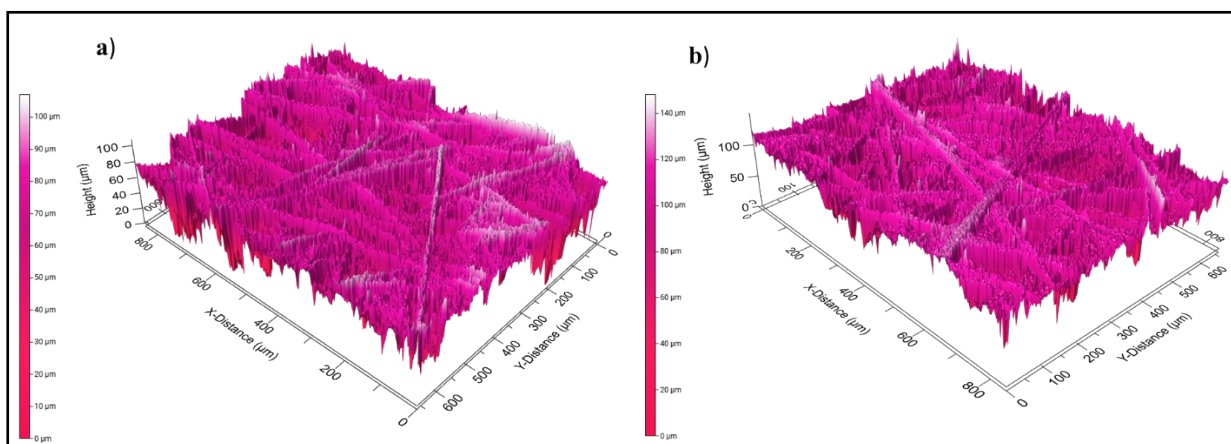


Fig. S3. 3 D Optical profilometric images of PTA/CFP electrode (a), Cu-BTC-MOF/PTA/CFP (b).

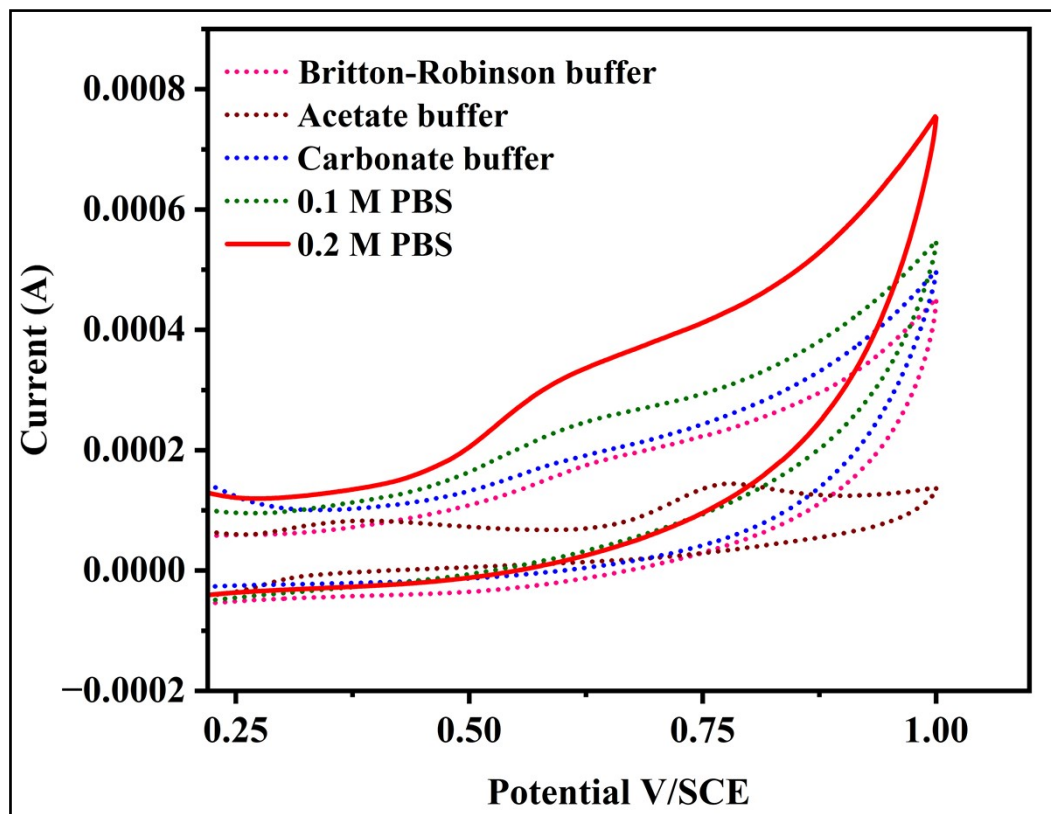


Fig. S4. CVs of Cu-BTC-MOF/PTA/CFP electrode in various buffer solutions in the presence of 120 nM RL.

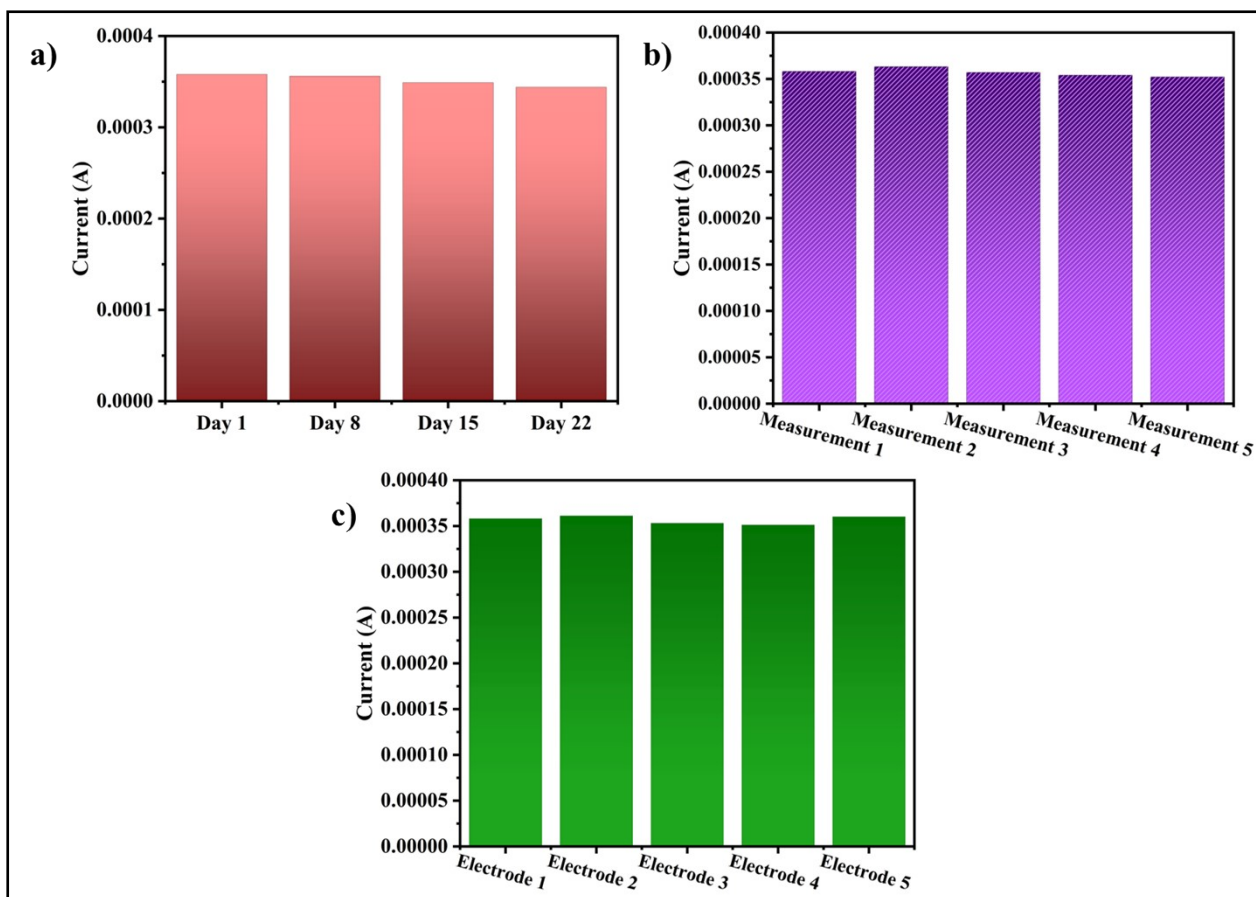


Fig. S5. a) Stability studies b) repeatability studies c) reproducibility studies of Cu-BTC-MOF/PTA/CFP in 0.2 M PBS (pH 7) containing 120 nM RL.