

Electronic supplementary information

Transition metals Coordination Framework an artificial nanozymes for

Dopamine detection via peroxidase-like activity

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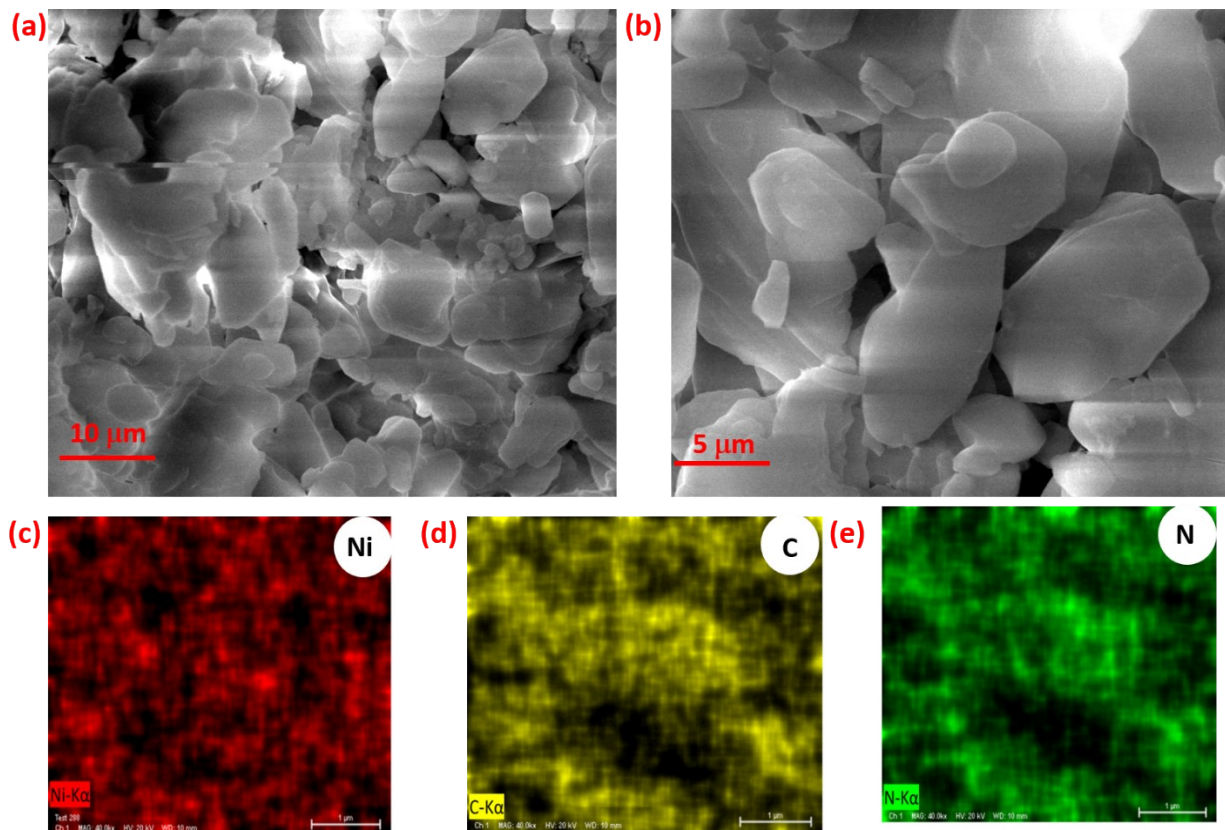


Fig.S1. SEM images of Ni-HMT (a,b), Element mapping for Ni(c), C(d),and N(e).

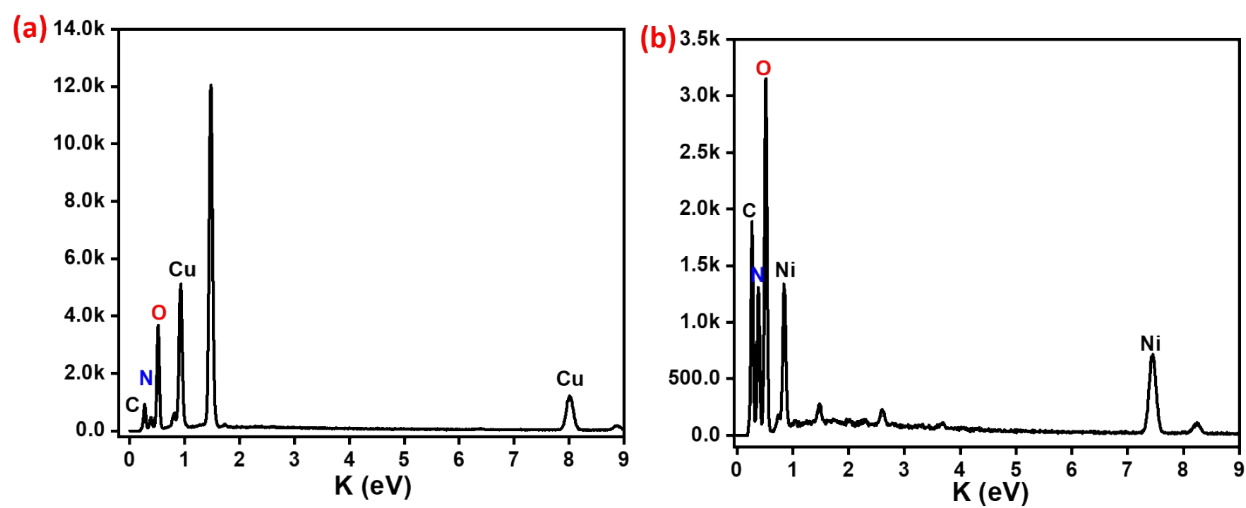


Fig.S2. SEM-EDX of Cu-HMT and Ni-HMT.

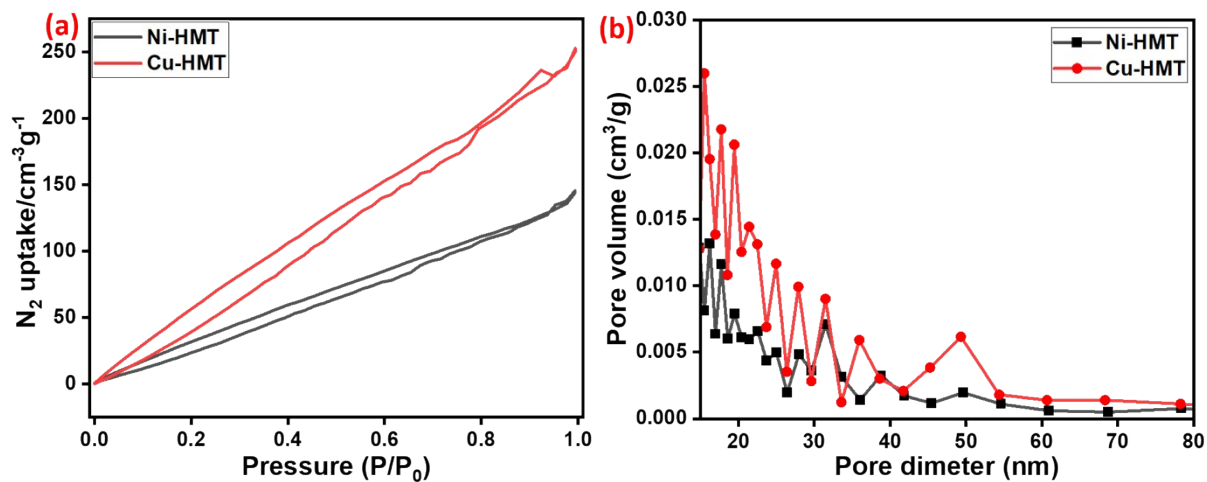


Fig.S3. Nitrogen adsorption and desorption isotherms of Ni-HMT and Cu-HMT.

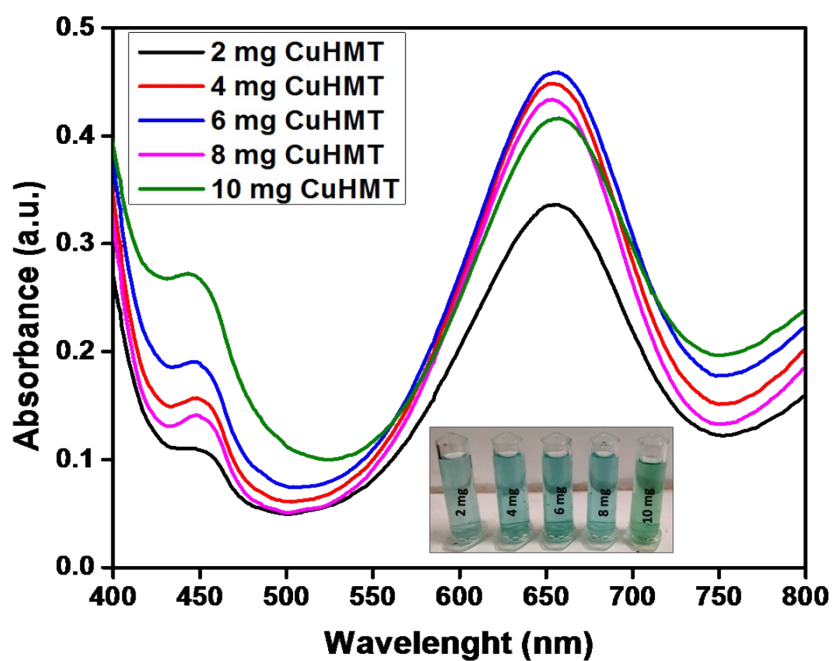


Fig.S4. Absorption spectra of different quantify of 2,4,6,8, and 10mg/ml of Cu-HMT peroxidase mimic activity.

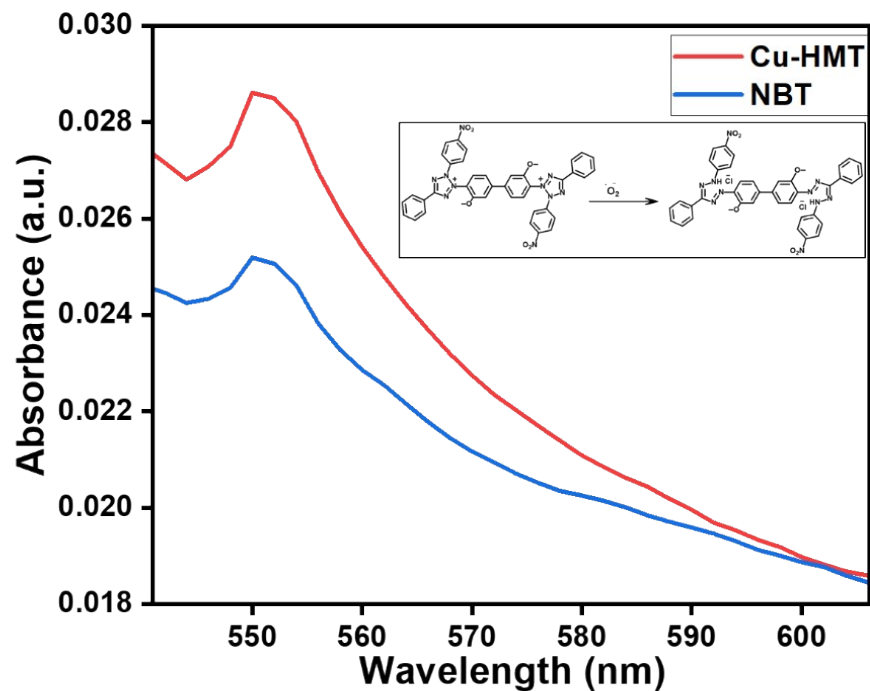


Fig.S4. (a) superoxide analysis of Cu-HMT.

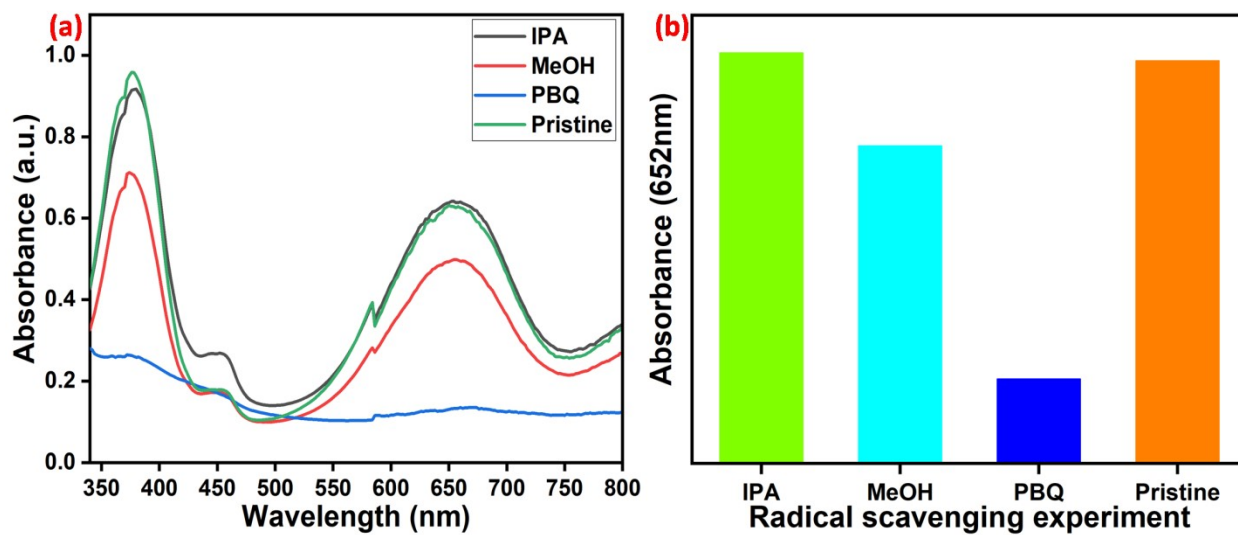


Fig.S6. (a) Absorption spectra of Cu-HMT of peroxidase like activity radical scavenging experiment and (b) bar chart of peroxidase like activity with radical scavenging agent.

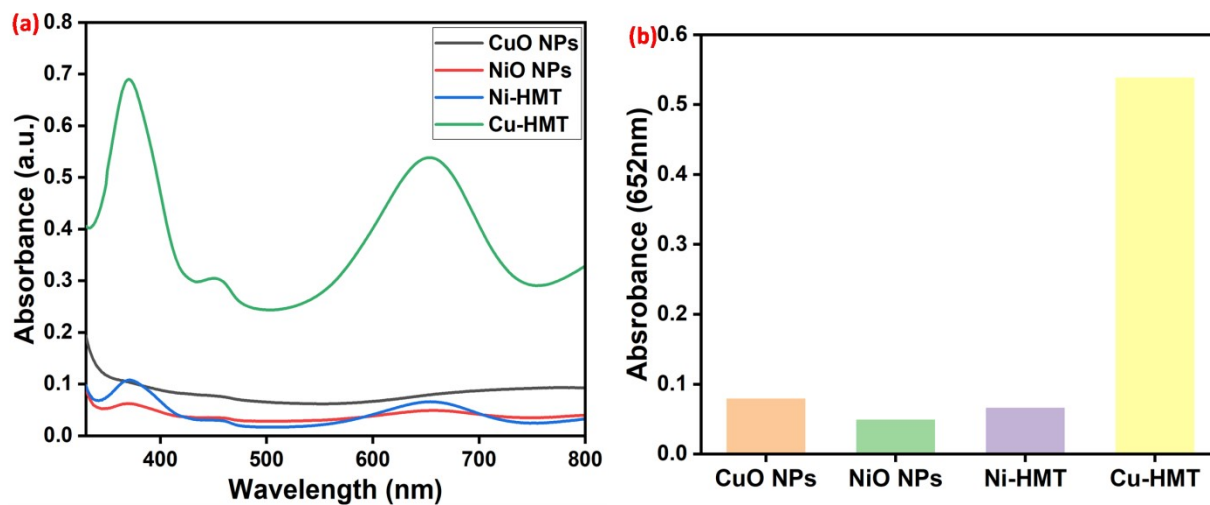


Fig.S7. (a) Absorption spectra of CuONPs, NiO, Ni-HMT and Cu-HMT of peroxidase like activity and (b) bar chart of comparison of peroxidase like activity.