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Supporting information for article:

A new hexamolybdate-based copper–2,2'-biimidazole coordination polymer serving as an acid catalyst and support for enzyme immobilization

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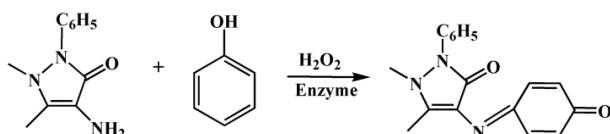


Figure S1 Scheme representation of the co-oxidation color reaction of phenol and 4-AAP with H₂O₂ catalyzed by enzyme.

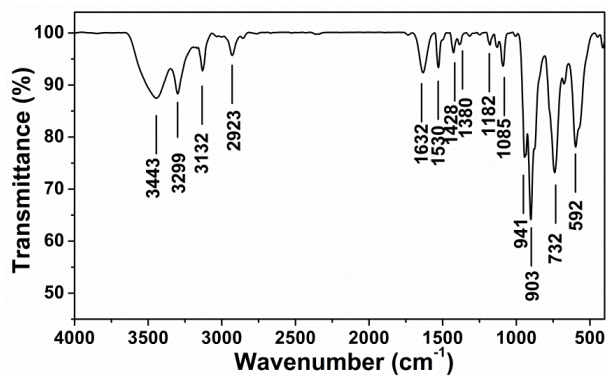


Figure S2 IR spectrum of Cu-Mo₆O₂₀

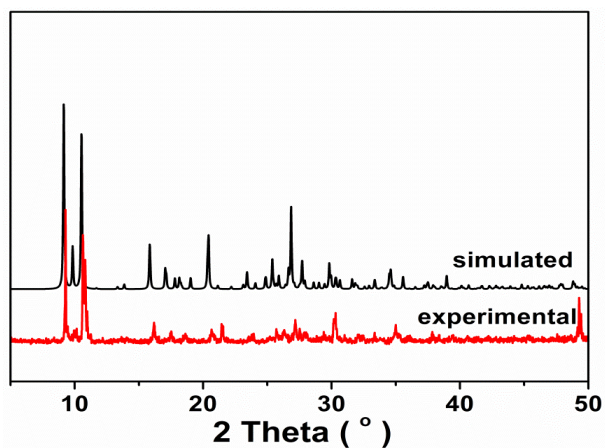


Figure S3 The simulated and experimental XRPD patterns of $\text{Cu-Mo}_6\text{O}_{20}$.

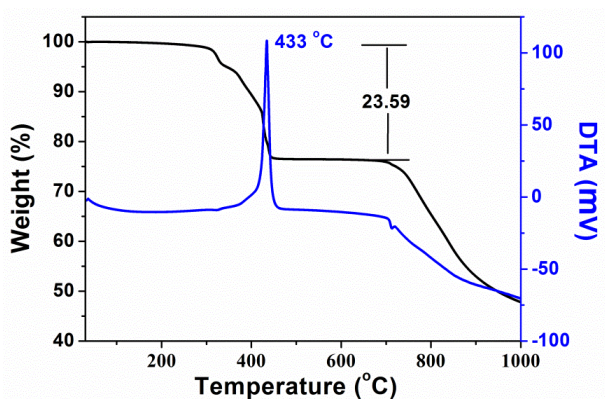


Figure S4 The TG-DTA curves of $\text{Cu-Mo}_6\text{O}_{20}$.

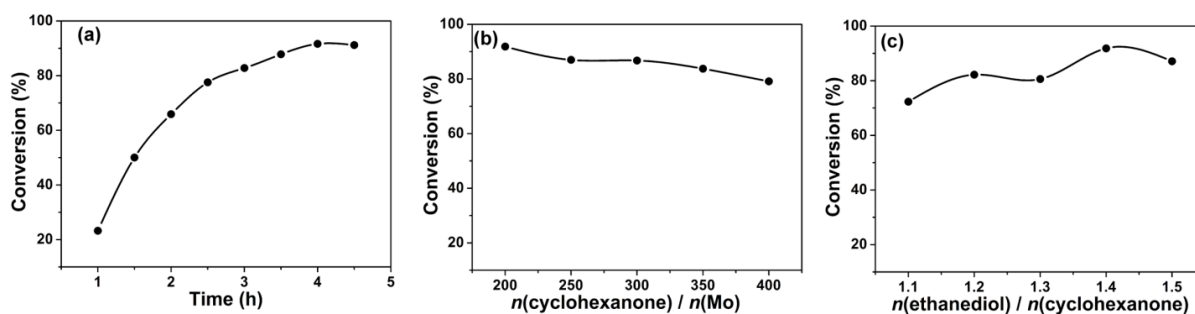


Figure S5 Effect of reaction time (a), the dosage of catalyst $\text{Cu-Mo}_6\text{O}_{20}$ (b) and molar ratio of raw materials (c) on conversion of cyclohexanone.

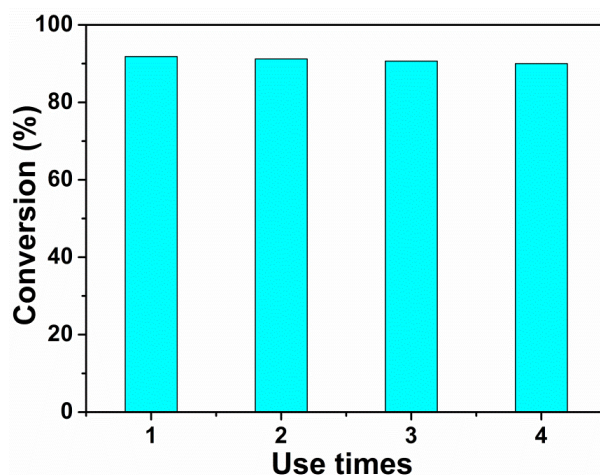


Figure S6 Acid catalytic activity of $\text{Cu-Mo}_6\text{O}_{20}$ used after four times.

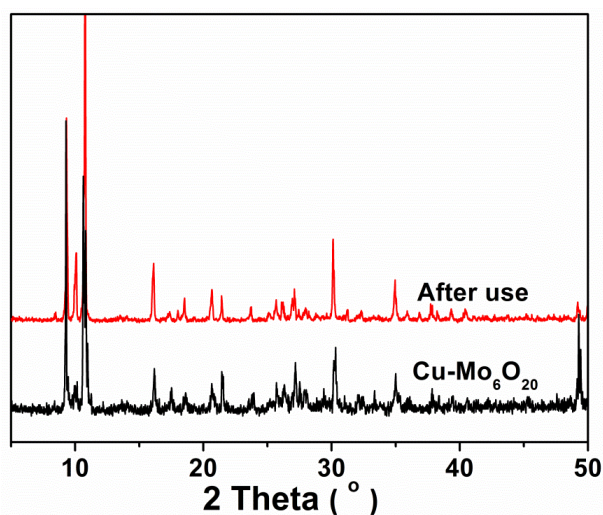


Figure S7 XRPD patterns of $\text{Cu-Mo}_6\text{O}_{20}$ before and after use.

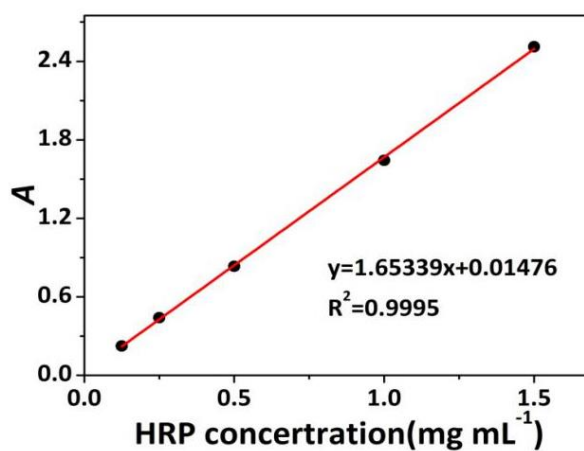


Figure S8 The standard curve of relationship between concentration of HRP solution and absorbance.

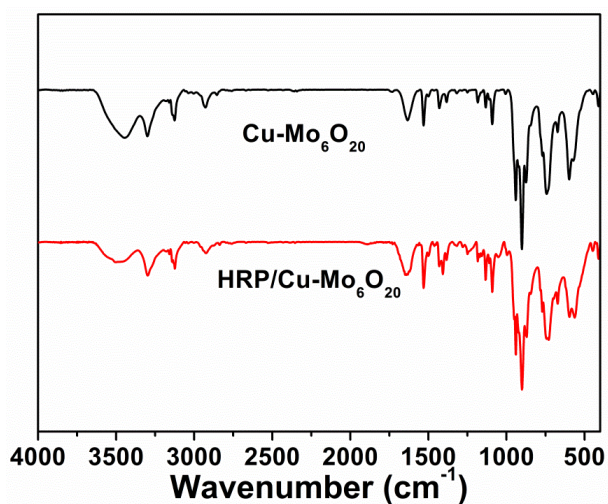


Figure S9 IR spectra of Cu-Mo₆O₂₀ and HRP/Cu-Mo₆O₂₀.

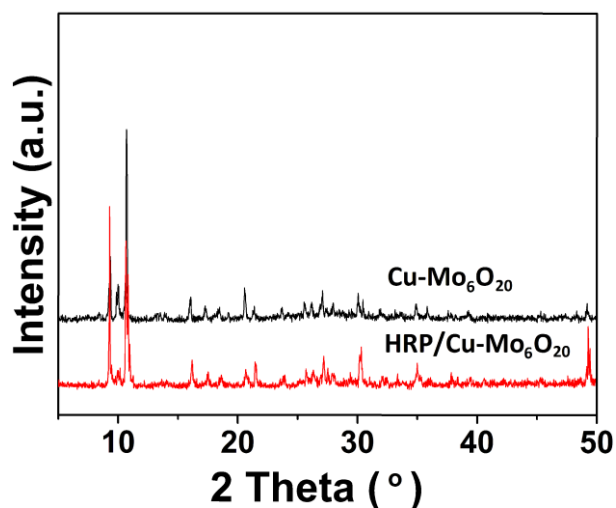


Figure S10 XRPD spectra of Cu-Mo₆O₂₀ and HRP/Cu-Mo₆O₂₀.

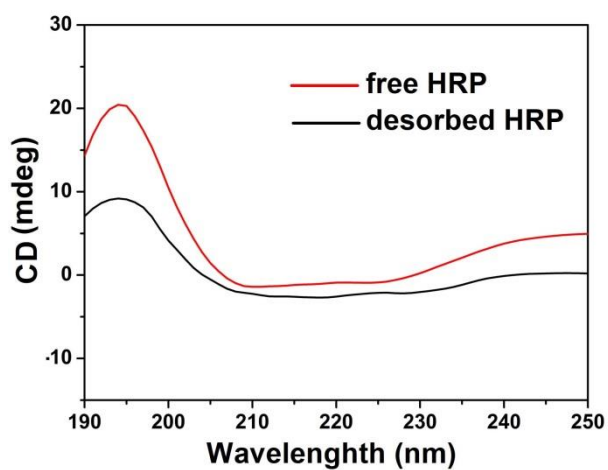


Figure S11 CD spectra of free HRP solution and HRP solution desorbed from HRP/Cu-Mo₆O₂₀.