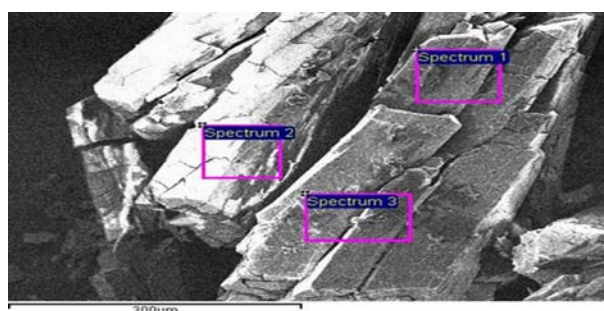
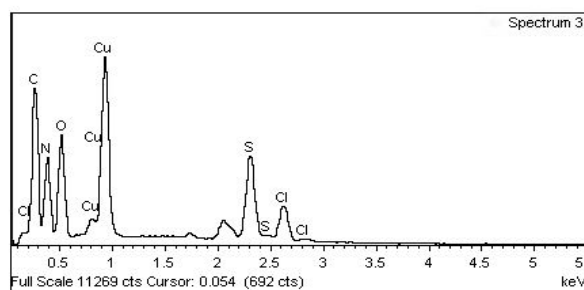
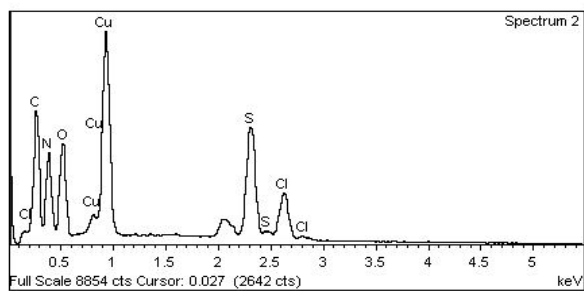
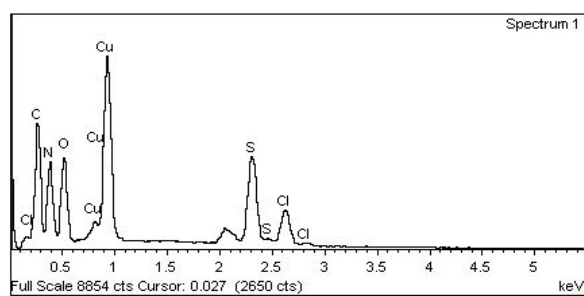


Anion Exchange Induced Tunable Catalysis Properties of an Uncommon Butterfly-like Tetranuclear Copper(II) Cluster and Magnetic Characterization

Wen-Juan Chu, Hong-Chang Yao, Yao-Ting Fan*, Hong-Wei Hou

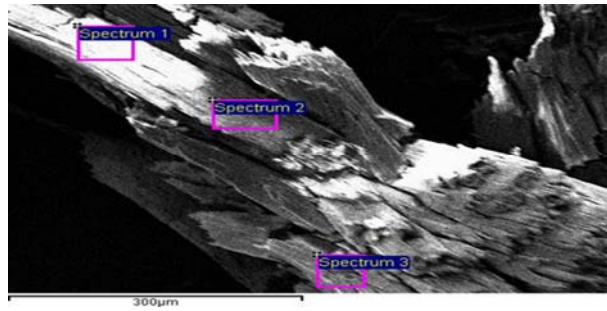


a

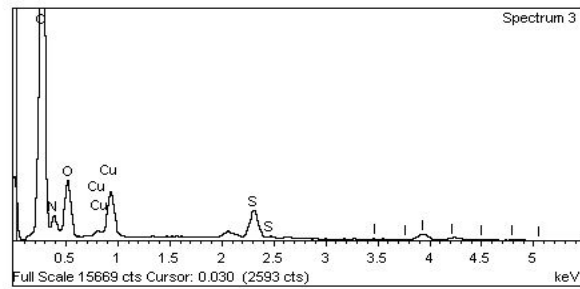
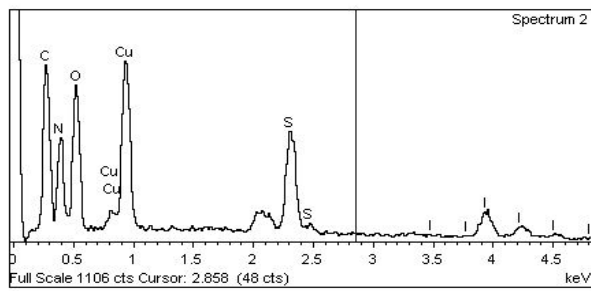
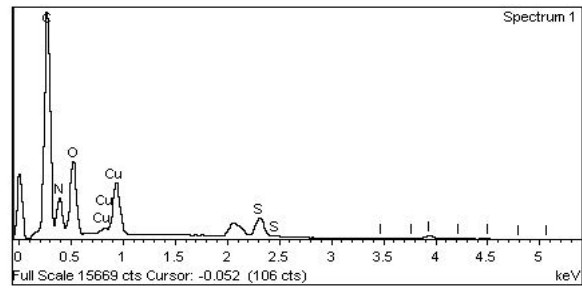


b

Figure S1 a) SEM and b) EDS of the compound 1

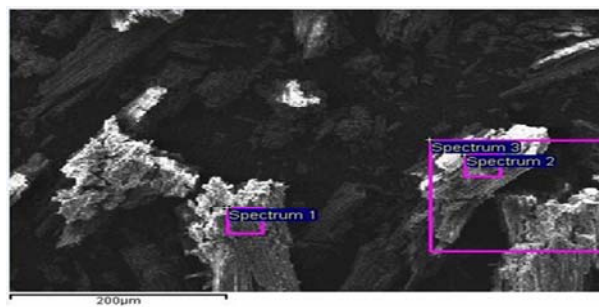


a

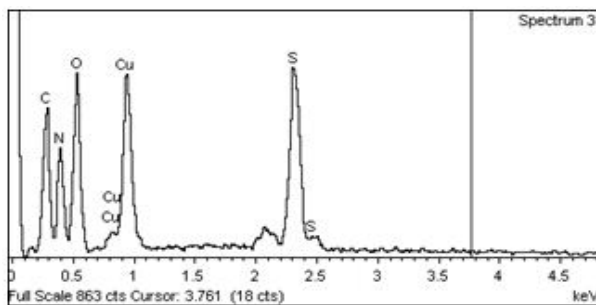
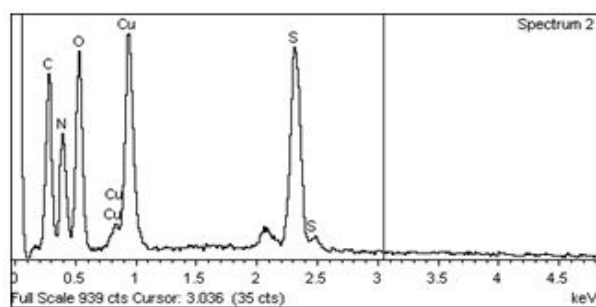
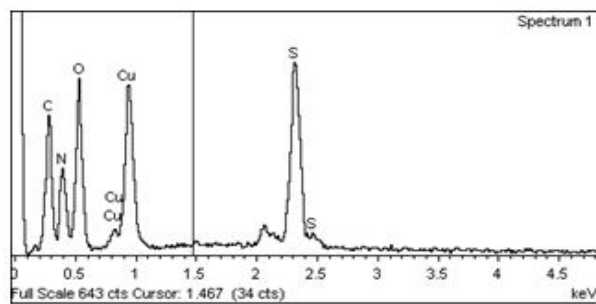


b

Figure S2 a) SEM and b) EDS of the anion-exchange product 1-Mix



a



b

Figure S3 a) SEM and b) EDS of the anion-exchanged product 1-MNO₃x

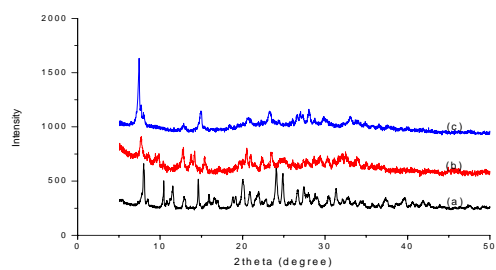


Figure S4 Powder XRD patterns: a) experimental pattern of **1**; b) experimental pattern of its ion-exchanged products obtained by immersing **1** in KI solution; c) experimental pattern of its ion-exchanged products obtained by immersing **1** in NaNO_3 solution.

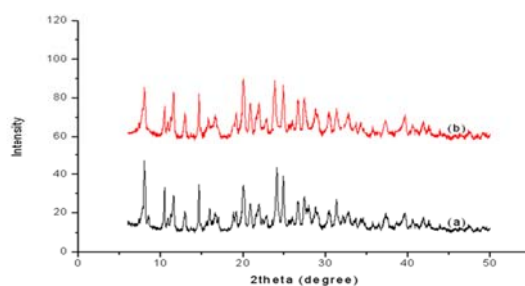


Figure S5 Powder XRD patterns: a) experimental pattern of **1**; b) experimental pattern of compound **1** after catalysis by reprecipitation.