

Fig. S1 Powder XRD patterns of  $[\{\text{Cu}_2(\mu\text{-Br})_2(\text{PPh}_3)_2\}(\mu\text{-bpy})]_n$ , called “PMC” in the Text, nanocrystals (NCs) and bulk crystal.

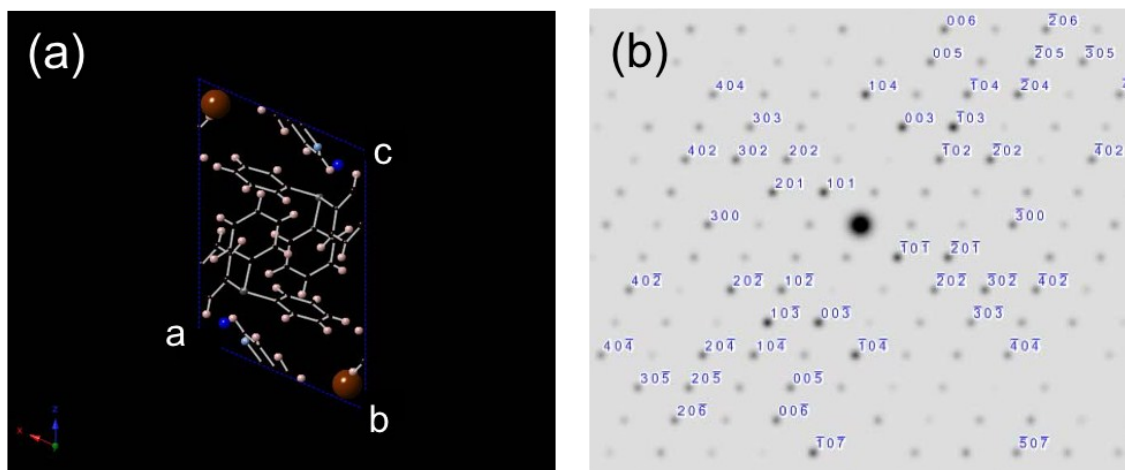


Fig. S2 (a) (010) plane projection drawing and (b) simulation of electron beam diffraction patterns in  $[\{\text{Cu}_2(\mu\text{-Br})_2(\text{PPh}_3)_2\}(\mu\text{-bpy})]_n$ , obtained by the simulation softs, “Crystal Maker X” and “Single Crystal 3”.