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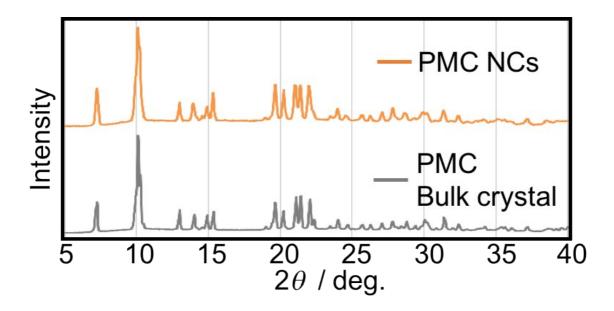


Fig. S1 Powder XRD patterns of  $[{Cu_2(\mu-Br)_2(PPh_3)_2}(\mu-bpy)]_n$ , called "PMC" in the Text, nanocrystals (NCs) and bulk crystal.

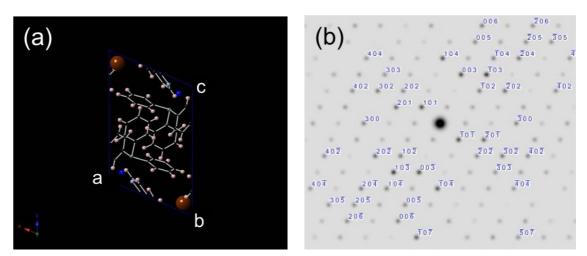


Fig. S2 (a) (010) plane projection drawing and (b) simulation of electron beam diffraction patterns in  $[{Cu_2(\mu-Br)_2(PPh_3)_2}(\mu-bpy)]_{n,}$  obtained by the simulation softs, "Crystal Maker X" and "Single Crystal 3".