

ESI to accompany

Do perfluorarene..arene and C–H...F interactions make a difference to 4,2':6',4''-terpyridine-based coordination polymers?

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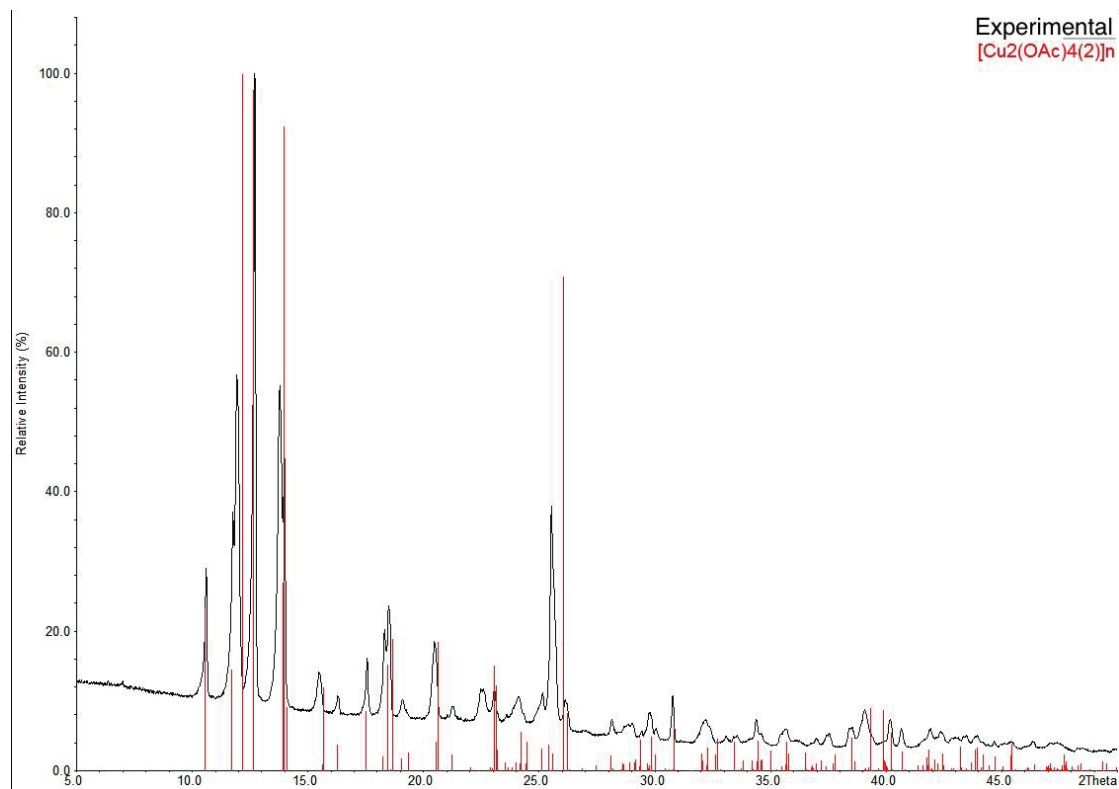


Fig. S1. Experimental powder diffraction pattern for the bulk sample of $[\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{2})]_n$, compared to the calculated powder pattern from single crystal data of $[\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{2})]_n$.

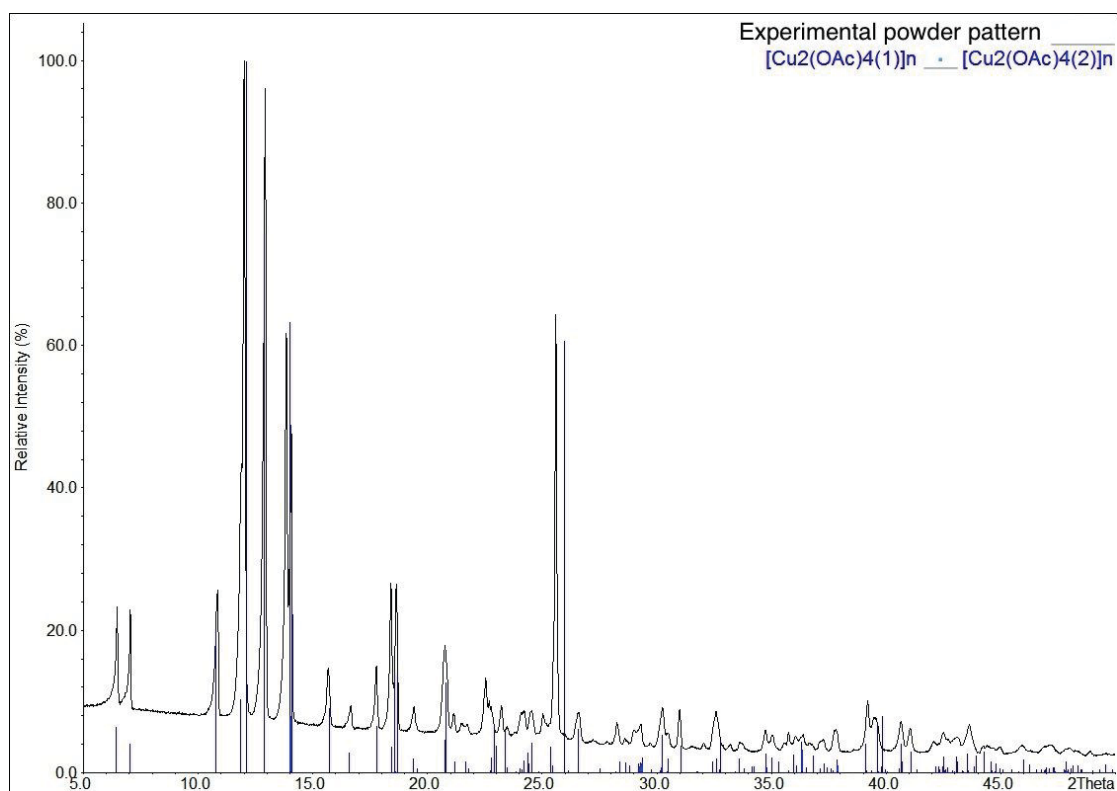


Fig. S2. Experimental powder diffraction pattern for the bulk sample of $[\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{1})]_n \cdot [\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{2})]_n$, compared to the calculated powder pattern from single crystal data of $[\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{1})]_n \cdot [\text{Cu}_2(\mu\text{-OAc})_4(\mathbf{2})]_n$.

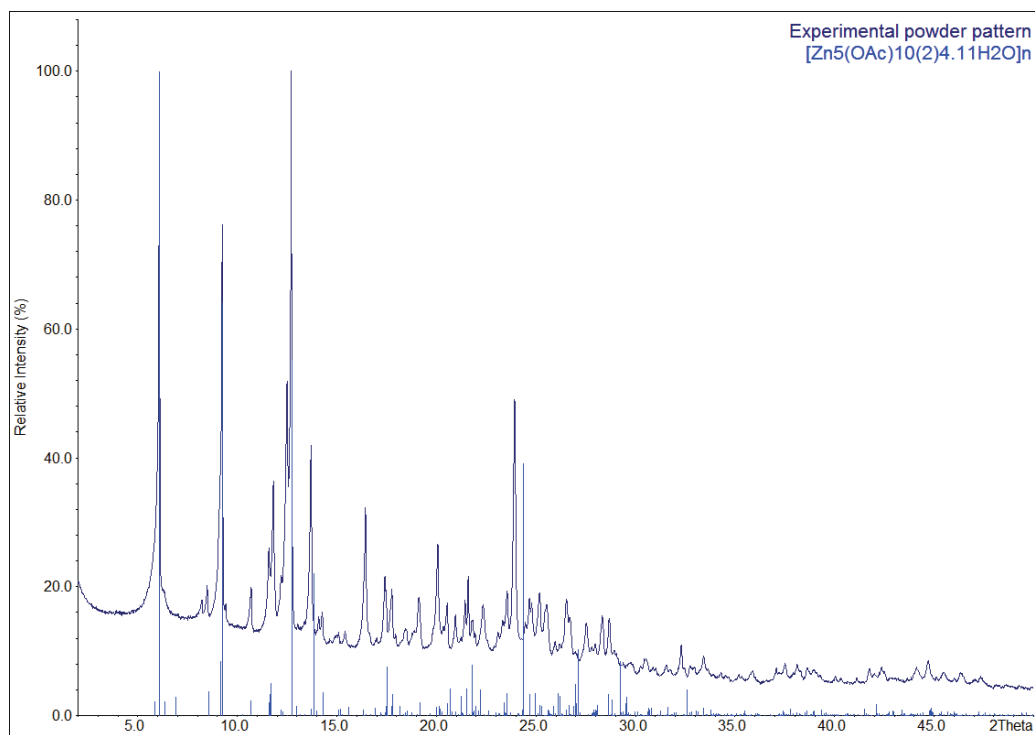


Fig. S3(a)

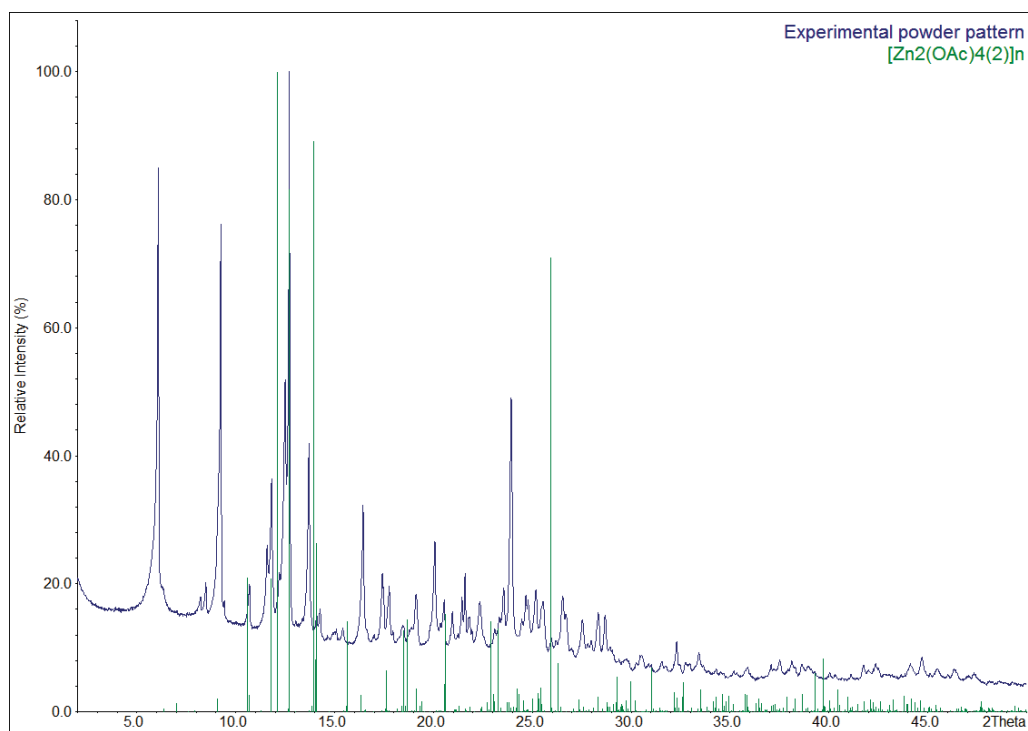


Fig. S3(b)

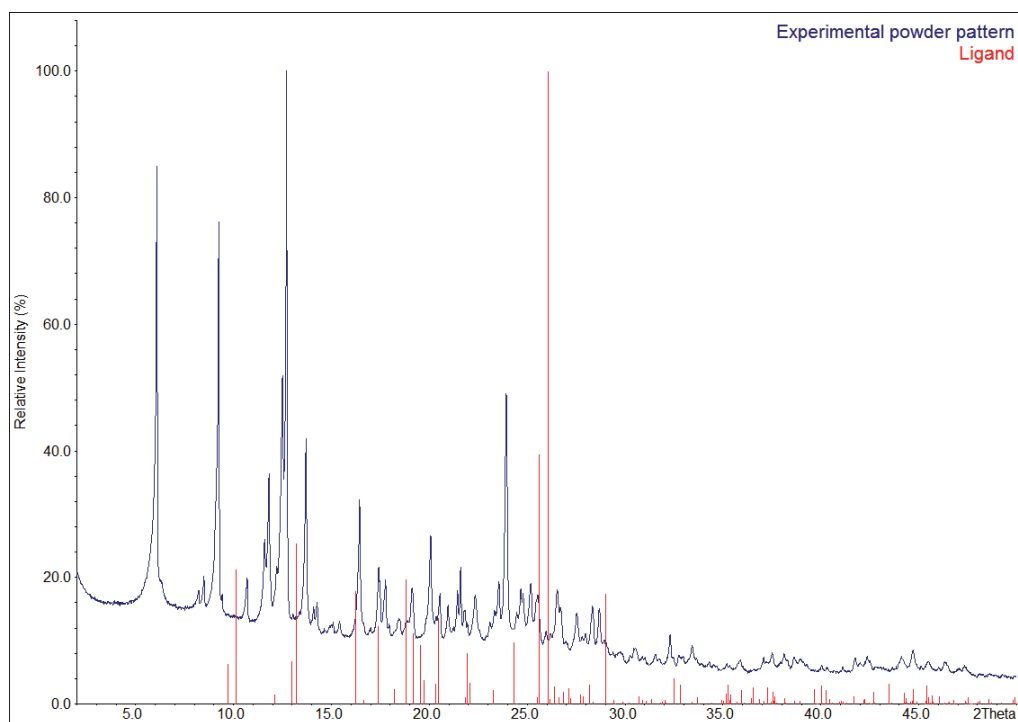


Fig. S3(c)

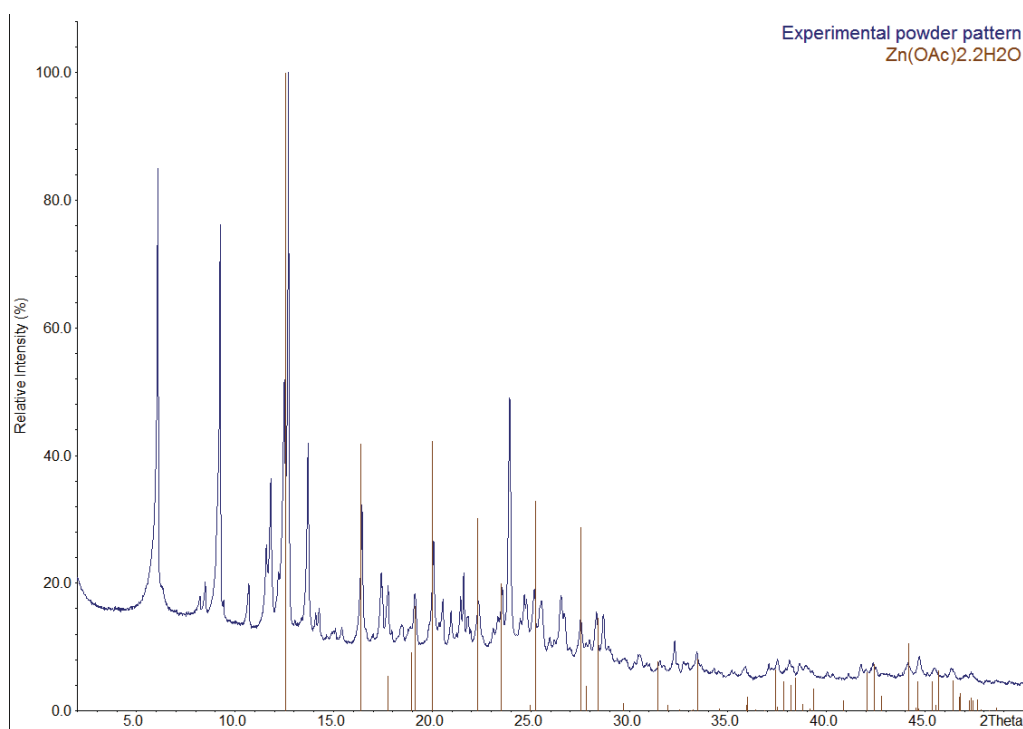


Fig. S3(d)

Fig. S3. Experimental powder diffraction pattern for the bulk sample of the reaction of $\text{Zn}(\text{OAc})_2 \cdot 2\text{H}_2\text{O}$ and **2**, compared to the calculated powder pattern from single crystal data of (a) $[\text{Zn}_5(\text{OAc})_{10}(\textbf{2})_4 \cdot 11\text{H}_2\text{O}]_n$, (b) $[\text{Zn}_2(\mu\text{-OAc})_4(\textbf{2})]_n$, (c) ligand **2**, and (d) $\text{Zn}(\text{OAc})_2 \cdot 2\text{H}_2\text{O}$.