

Electronic Supplementary Information (ESI)

for

Two magnetic Δ -chain-based Mn(II) and Co(II) coordination polymers with mixed carboxylate-phosphinate and $\mu_3\text{-OH}^-$ bridges

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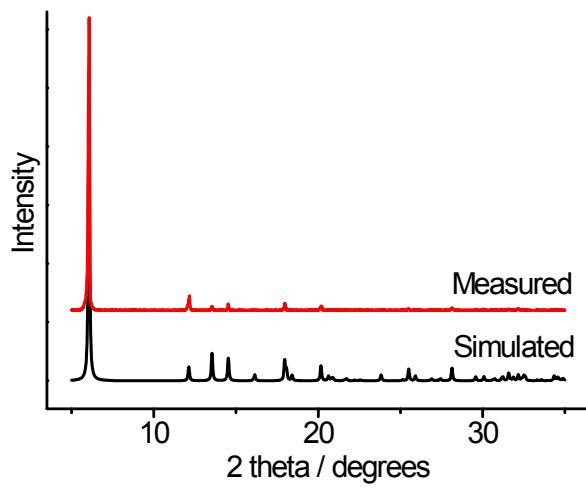
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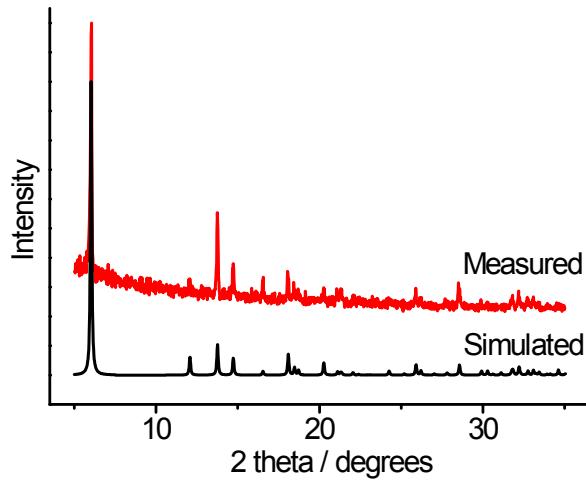
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(a)



(b)

Fig. S1 Simulated and measured powder XRD patterns for **1** (a) and **2** (b).

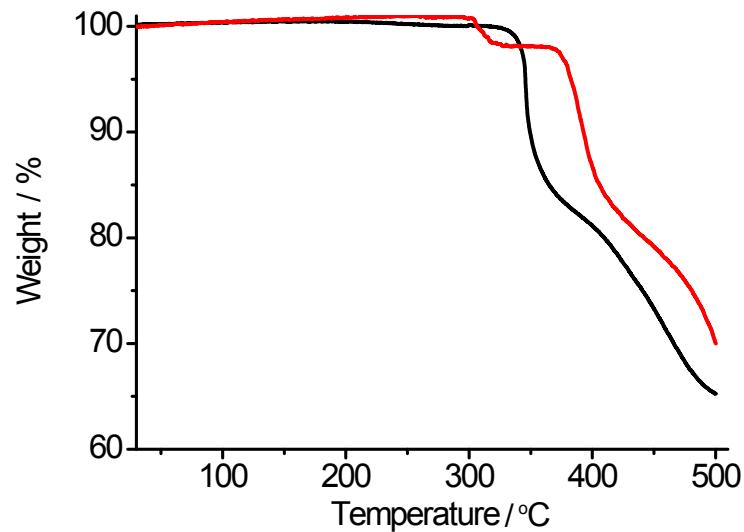


Fig. S2. TGA curves for **1** (black) and **2** (red).

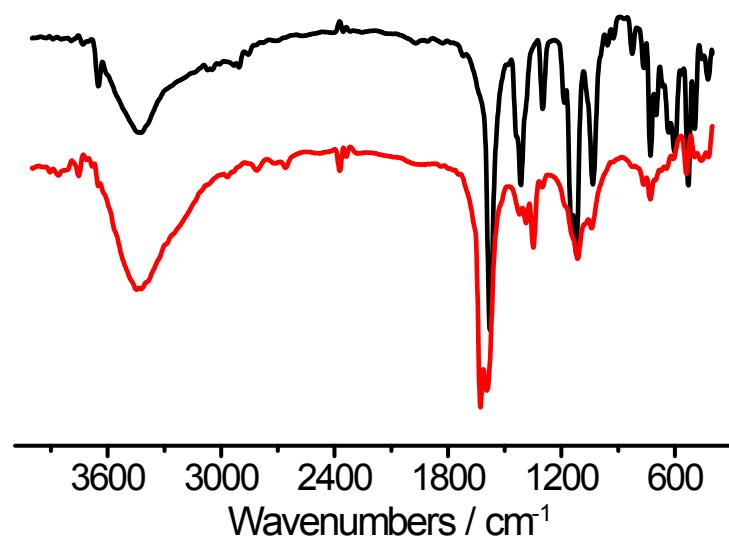


Fig. S3. FT-IR spectra for **1** (black) and **2** (red).

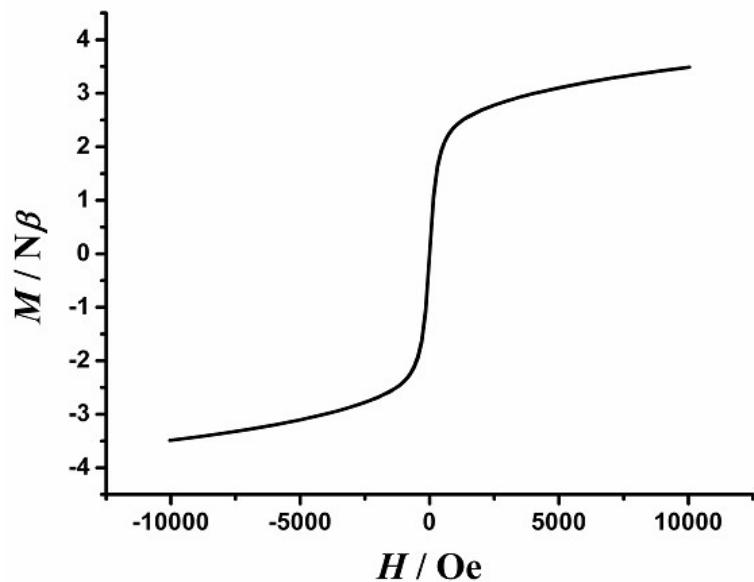


Fig. S4. The M - H plot for **1** at 2 K.

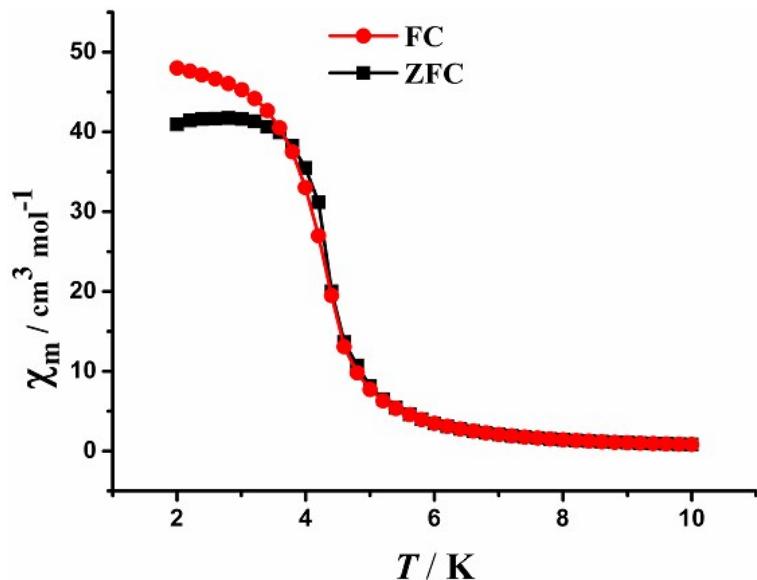


Fig. S5. The FC/ZFC curves for **1** below 10 K.

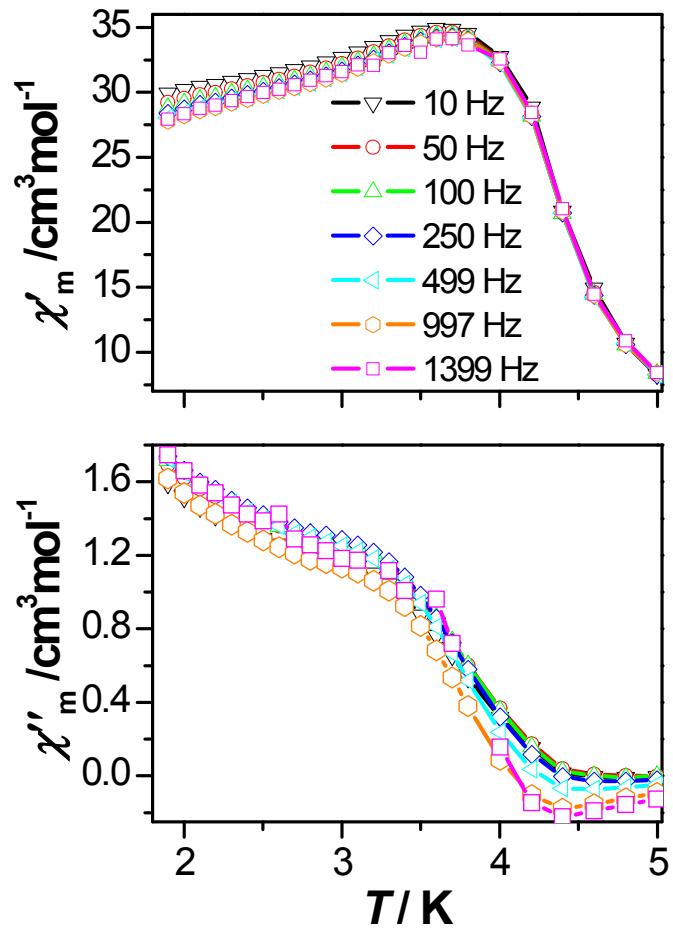


Fig. S6. Temperature dependence of the real χ' and imaginary χ'' parts of the ac susceptibility for **1**. The lines are guides to the eye.

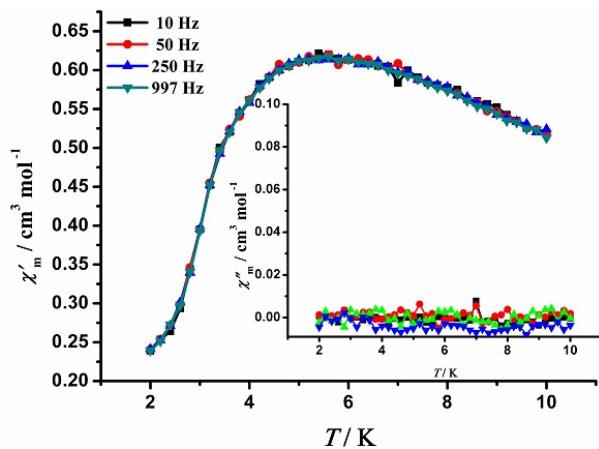


Fig. S7. Temperature dependence of the ac χ_m at different frequencies for **2**.