

Electronic supplementary information (ESI)

Isomorphous Co(II) and Ni(II) antiferromagnets based on mixed azide- and carboxylate-bridged chains: metamagnetism and single-chain dynamics

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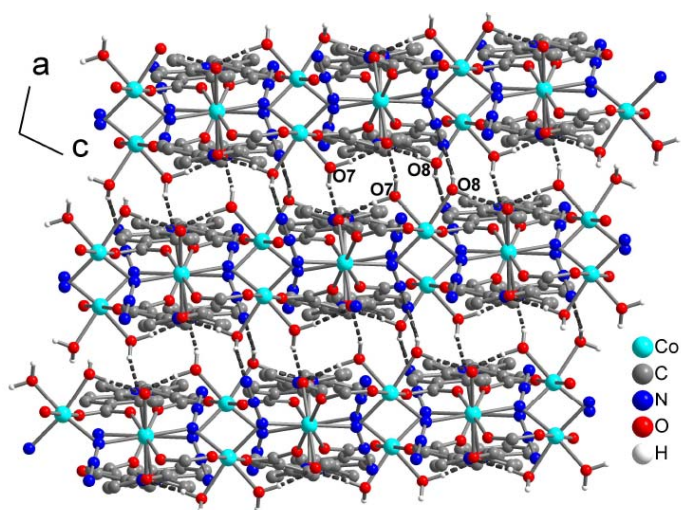


Fig. S1. 3D packing of the layers through hydrogen bonding interactions in **1**.

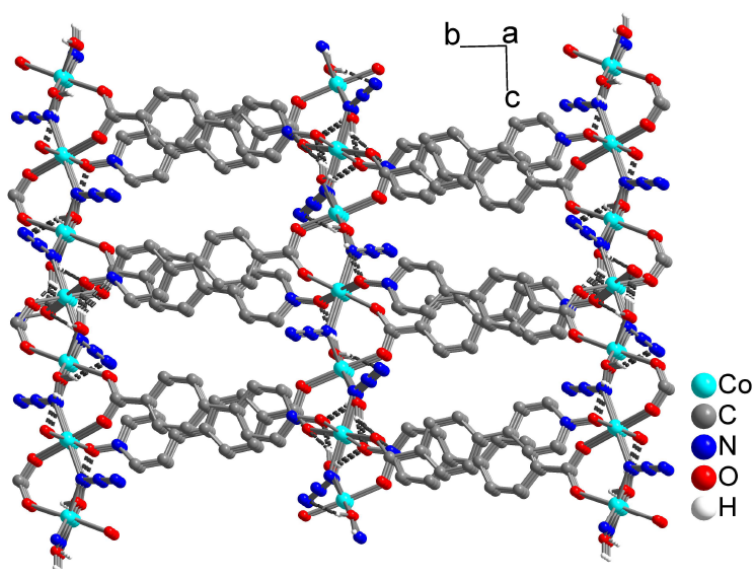


Fig. S2. The 3D hydrogen bonding network in **1**.

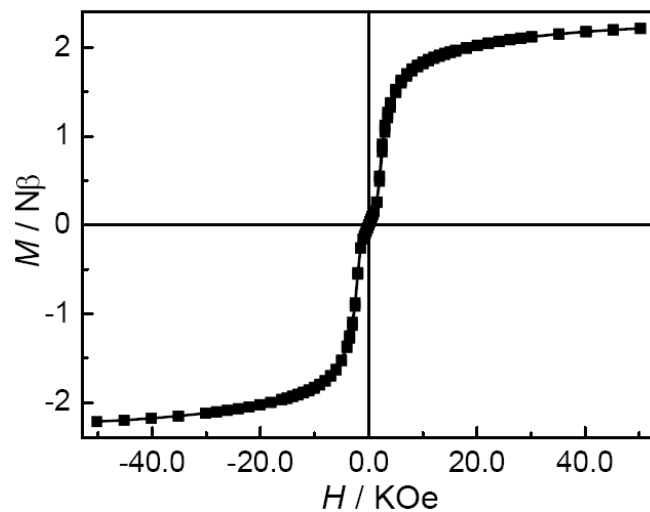


Fig. S3. Isothermal magnetization of **2** at 2 K.

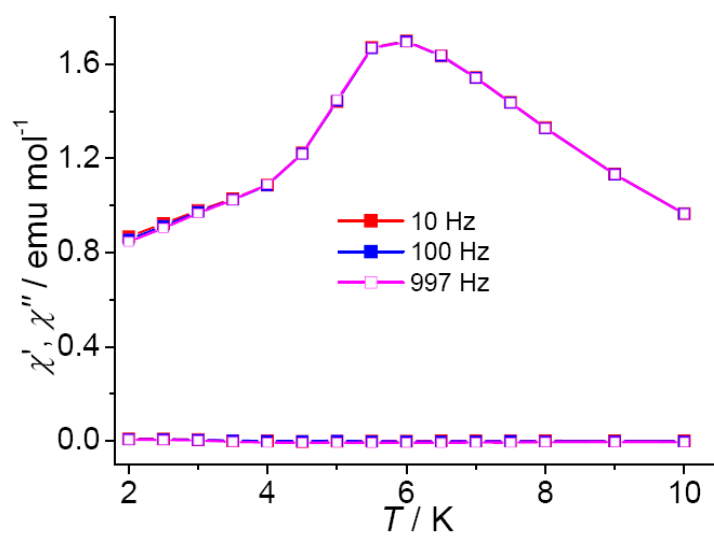


Fig. S4. χ' and χ'' plot for **2** at frequencies 10, 100 and 997 Hz with $H_{\text{dc}} = 0$ and $H_{\text{ac}} = 3.5$ Oe.