

Supplementary materials

Ligand-directed assembly of cyanide-bridged bimetallic $Mn^{II}Fe^{III}$ coordination polymers based on the pentacyanoferrite(III) building blocks: synthesis, crystal structure and magnetic properties

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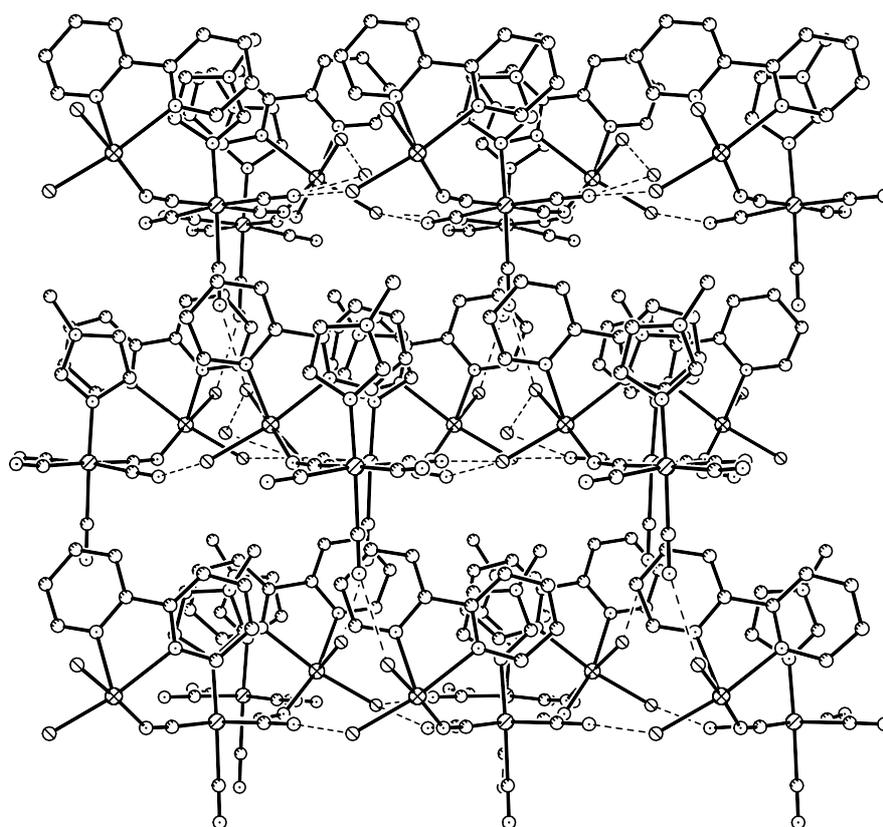


Fig. S1. Interchain hydrogen bonding interaction in complex **1**.

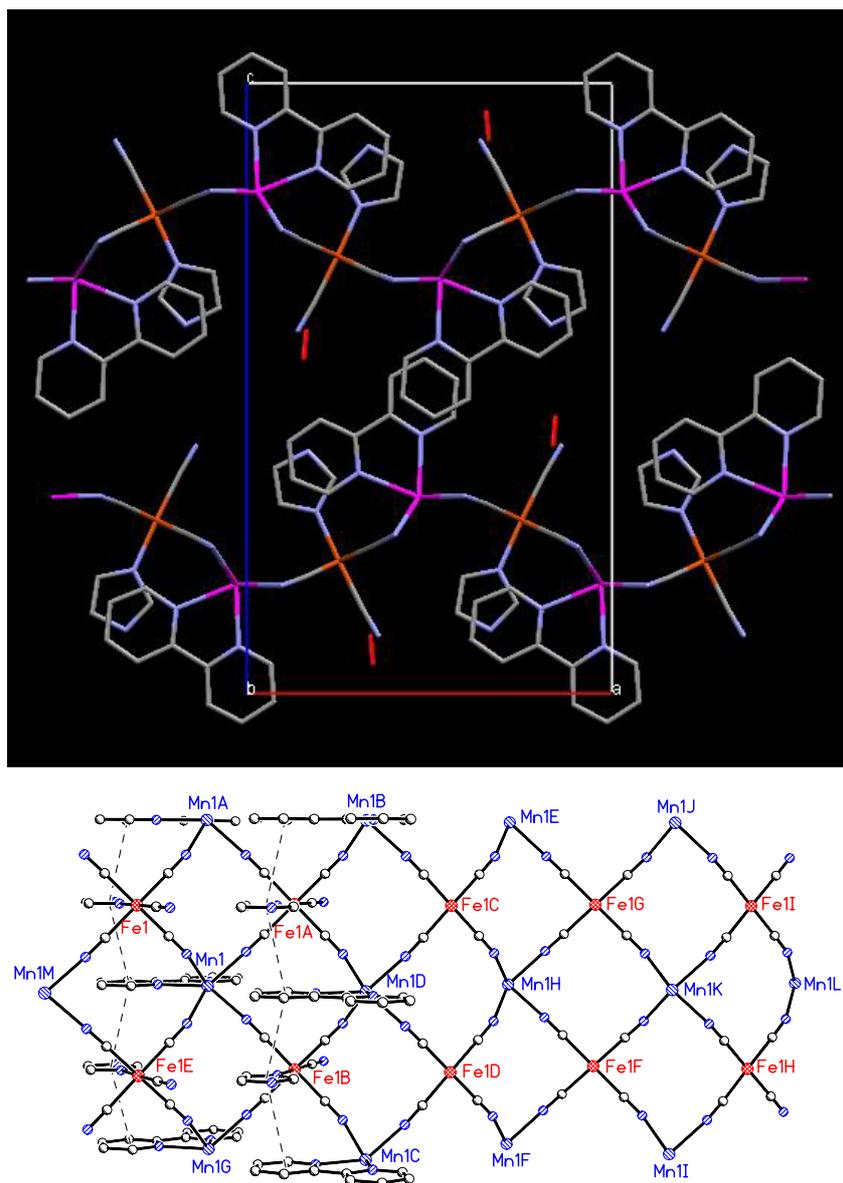


Fig. S2. Top: Two nonplanar layers showing interlayer π --- π contacts in complex 2. Bottom: Intra-layer π --- π contacts between imidazole ring and the pyridine ring of bpy in complex 2.

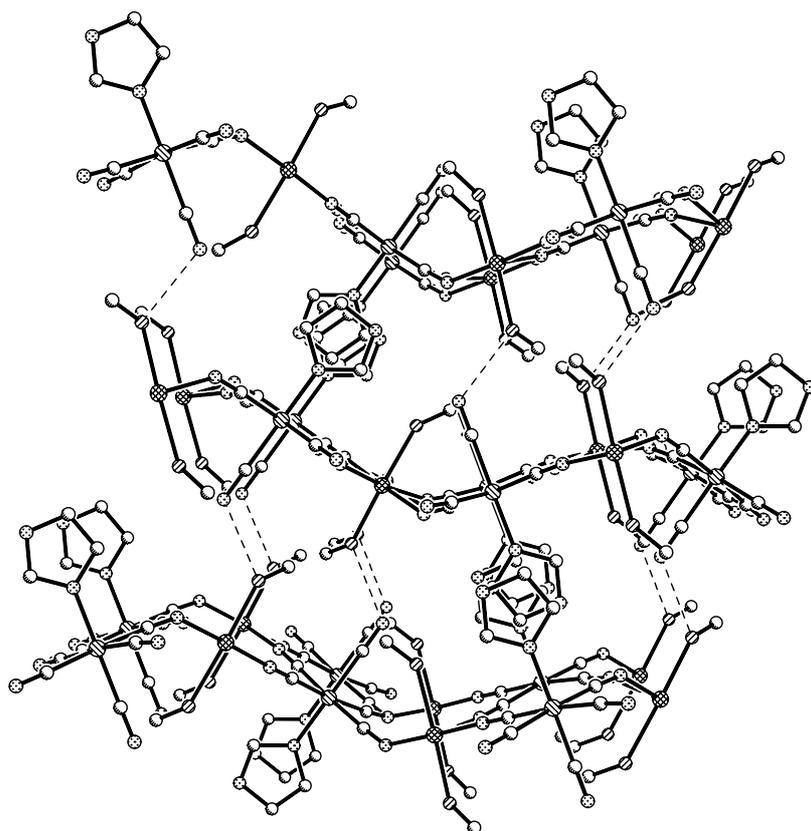


Fig. S3. Interlayer hydrogen bonding and π - π contacts between imidazole rings for complex 3.

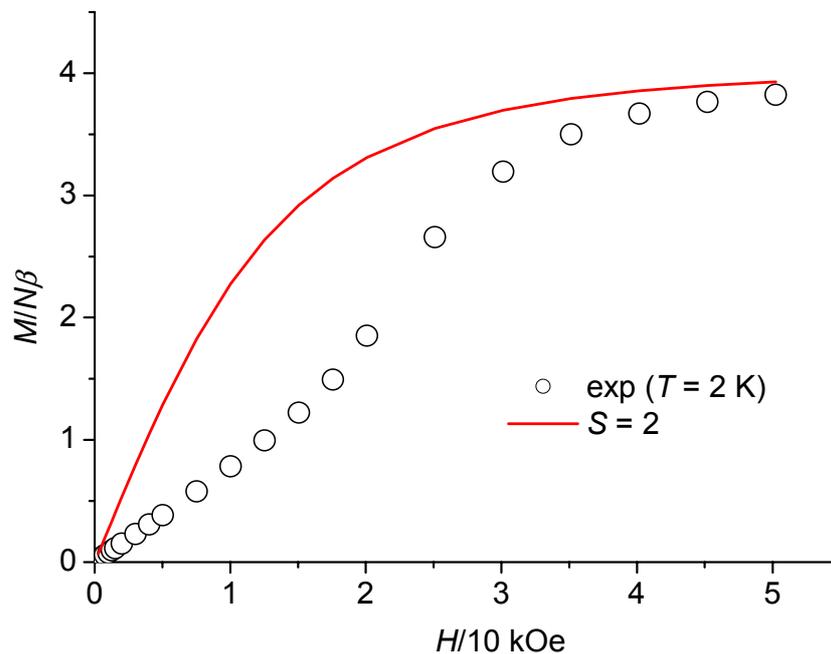


Fig. S4. Magnetization curve at 2 K for compound **2**. The line is the Brillouin curve for a spin state of $S = 2$ with $g = 2.0$.

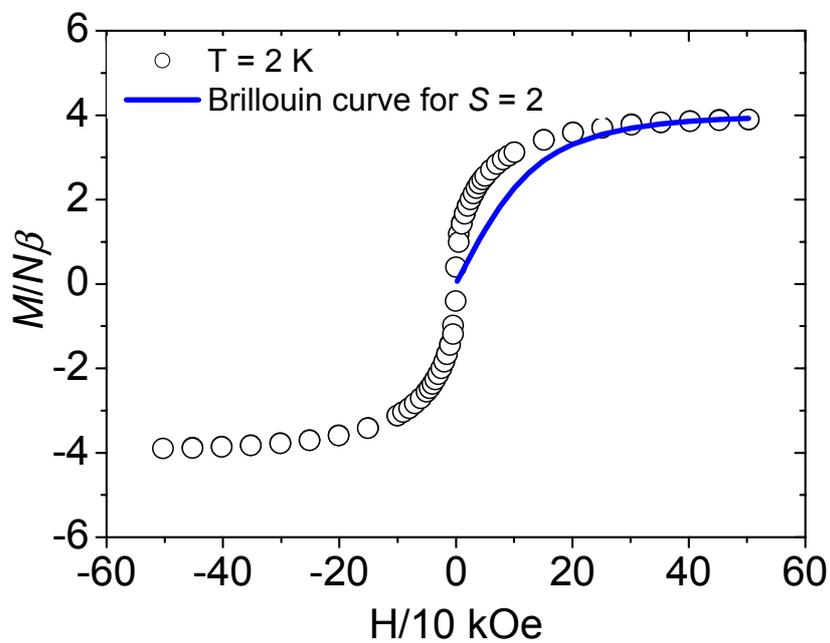


Fig. S5. Magnetization curve at 2 K for compound **3**. The line is the Brillouin curve for a spin state of $S = 2$ with $g = 2.0$.