Hexacyanoosmate(III) chemistry: Preparation and magnetic properties of a pentanuclear cluster and a Prussian blue analogue with Ni(II)

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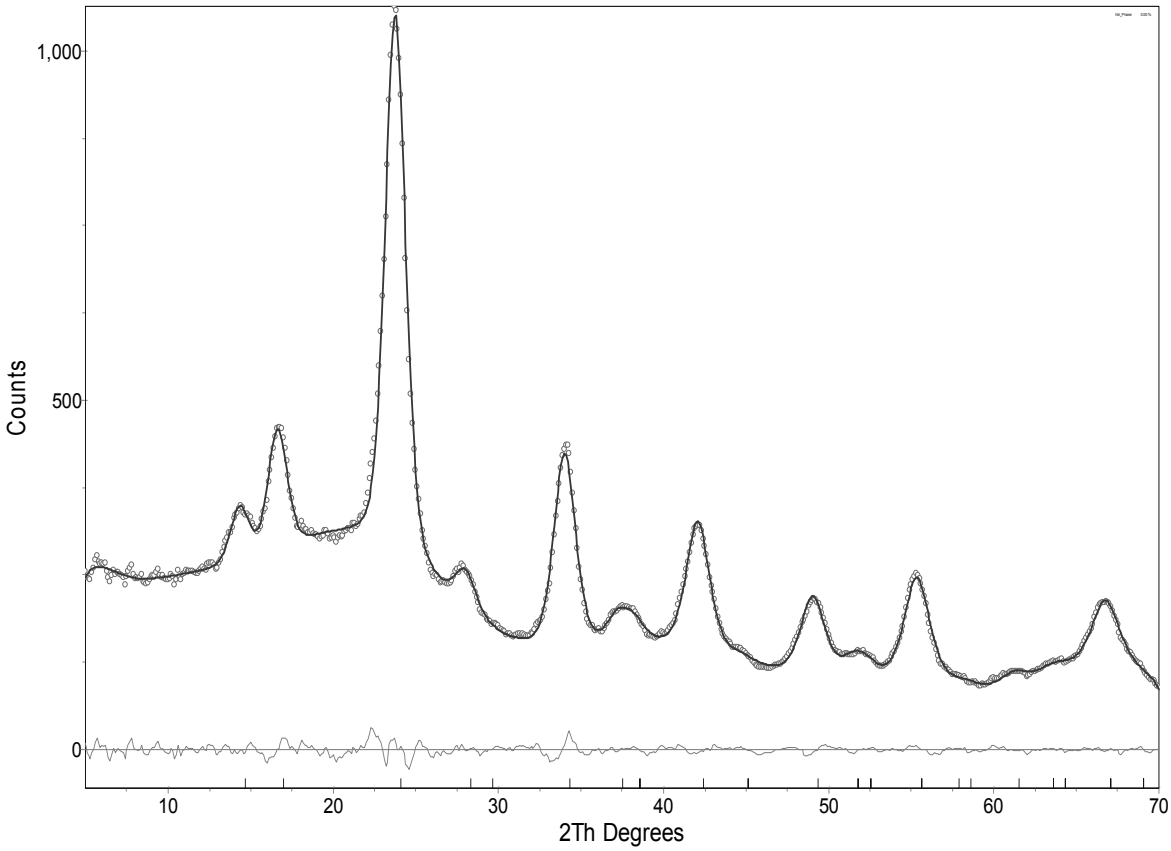

Figure S1: Powder X-ray pattern for **2**. Data were fit to a FCC unit cell with a = 10.435(3)Å using TOPAS.[1]

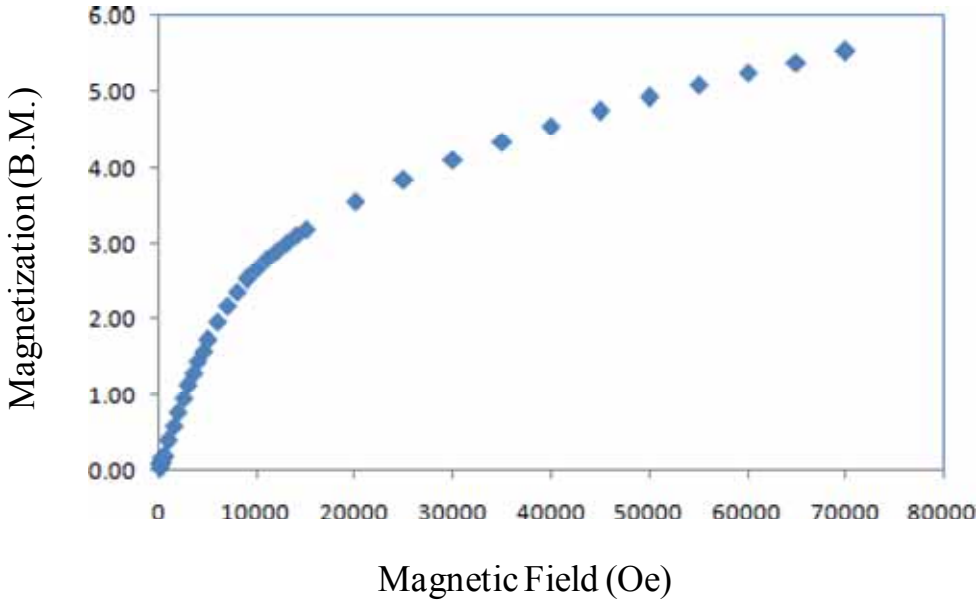

Figure S2. Field dependent magnetization curve for **1** measured at 1.8 K.

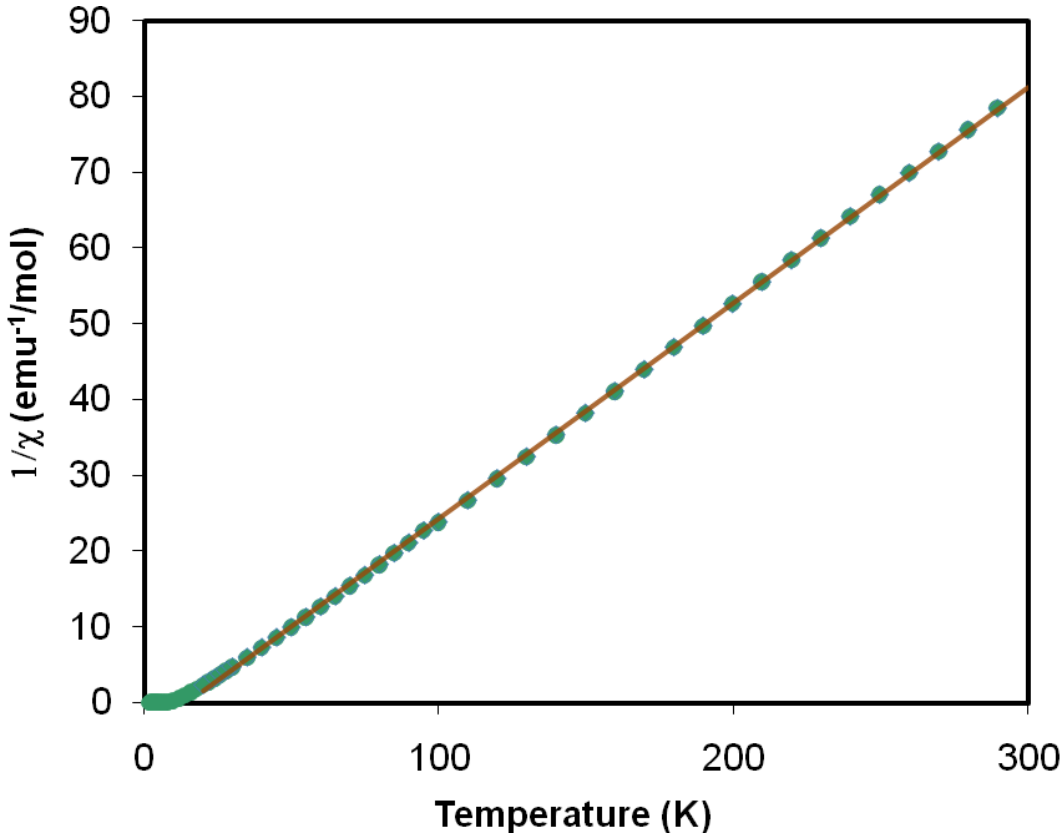

Figure S3. Temperature dependence of inverse susceptibility ($1/\chi$) for **2**. The solid line represents a fit to the Curie-Weiss law with $\theta = 14.5$ K and $C = 3.6$

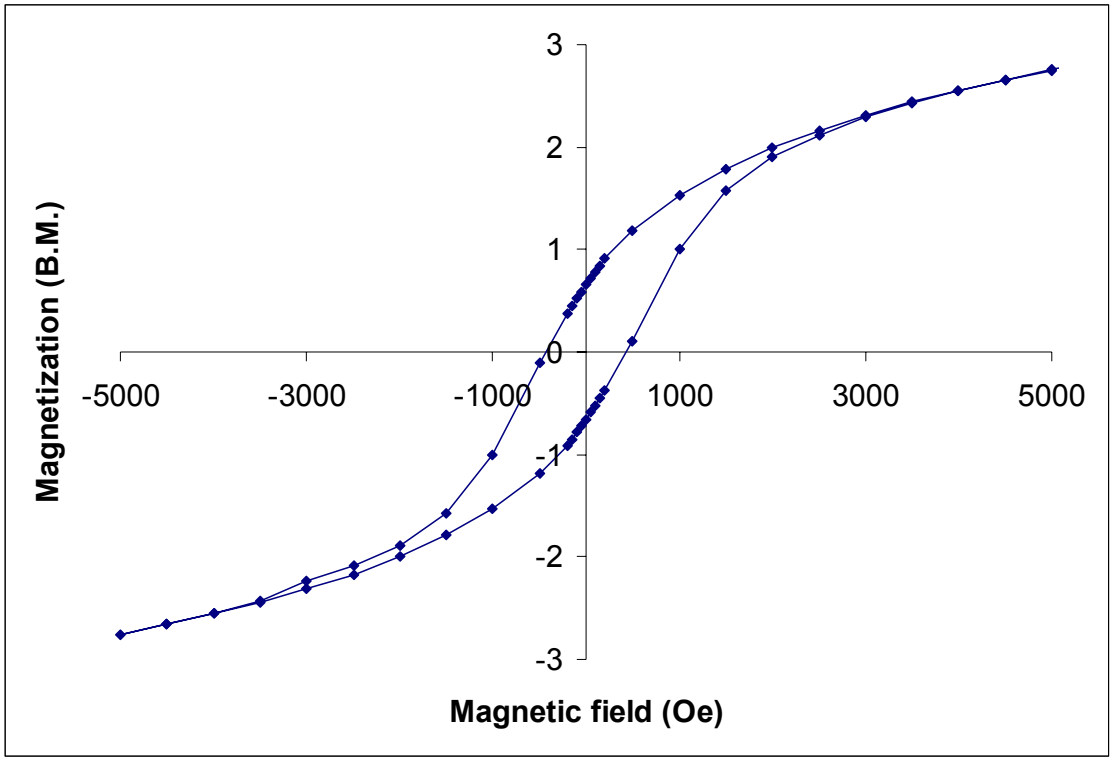

Figure S4. Hysteresis loop for **2** measured at 1.8 K. The coercive field H_c = 1000 Oe.

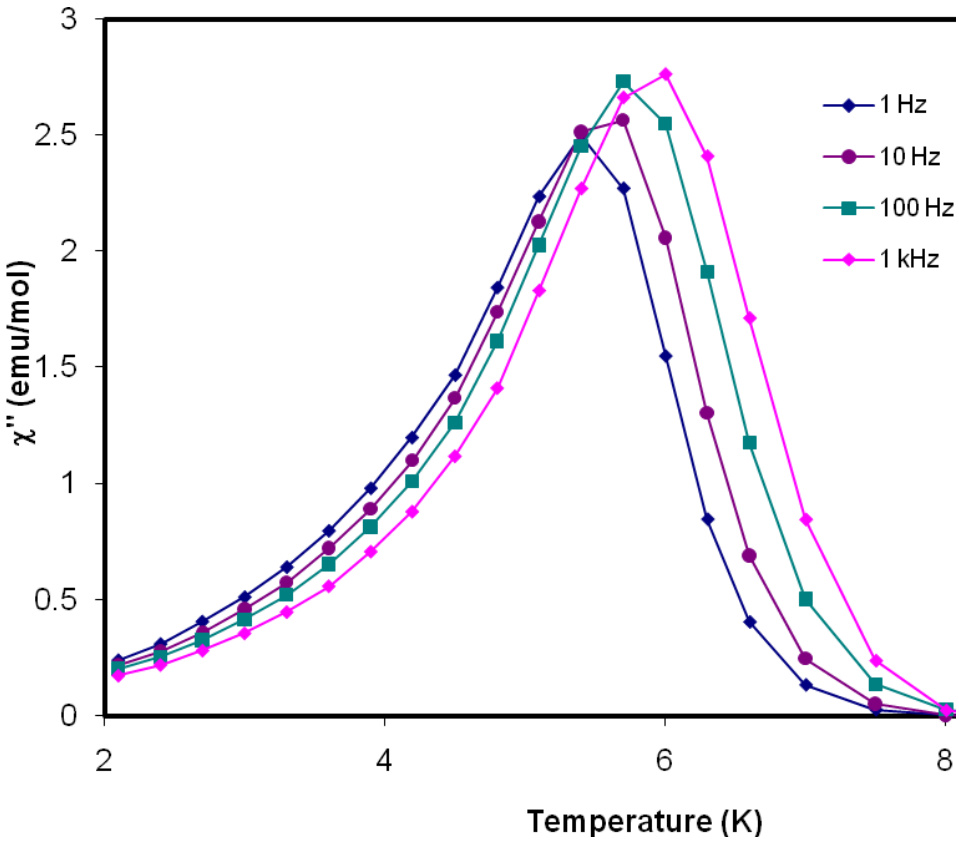

Figure S5. Imaginary part (χ") of the AC magnetic susceptibility for **2**.

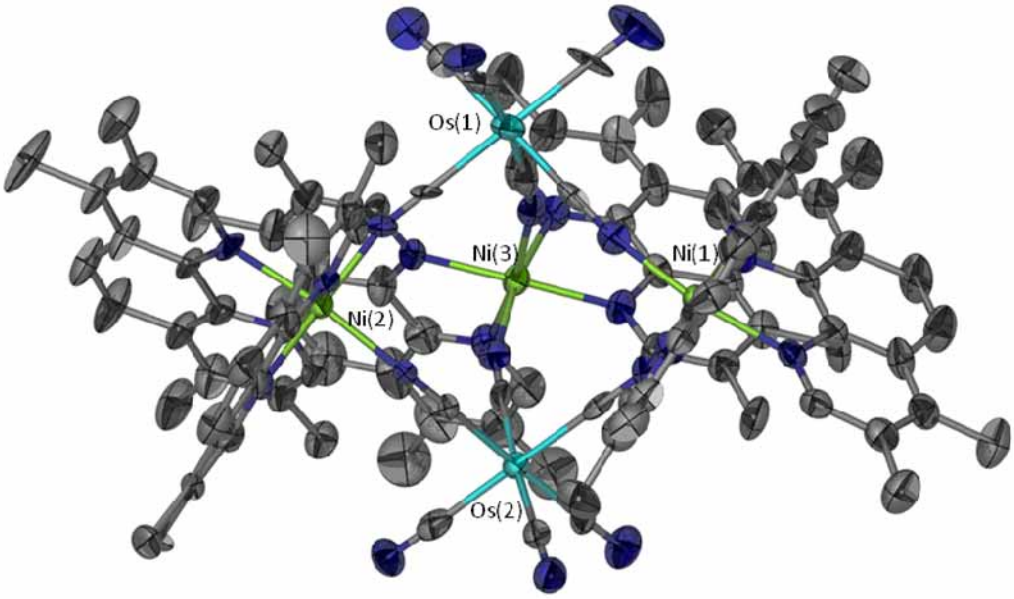

Figure S6. Thermal ellipsoid plot of the crystal structure of **1** at the 50% probability level.

1. Bruker-AXS TOPAS copyright 2007