

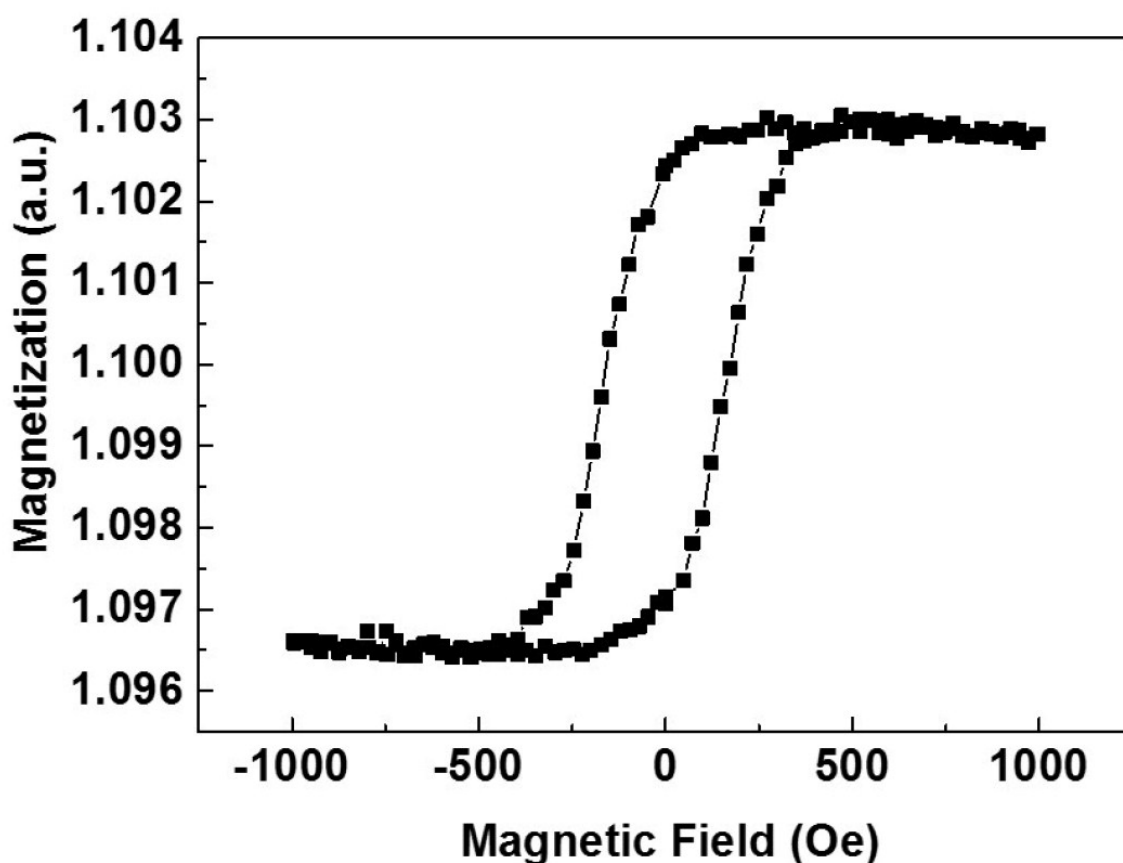
Supplementary Materials to:

Indications of magneto-electric effects in spin cross-over molecular thin films

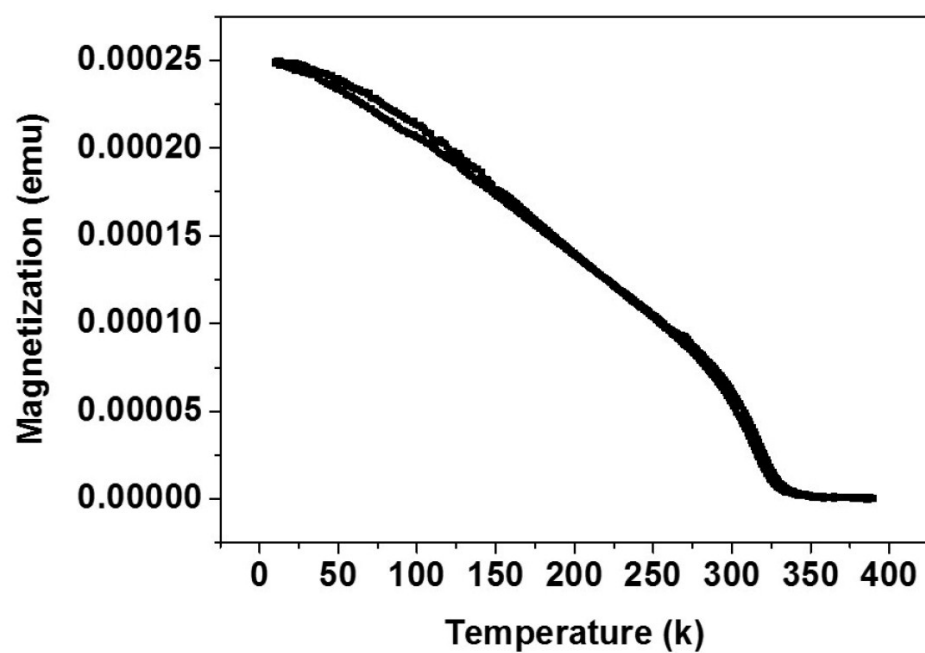
Xin Zhang,^a Alpha T. N'Diaye,^{*d} Xuanyuan Jiang,^a Xiaozhe Zhang,^a Yuewei Yin,^a Xuegang Chen,^a Xia Hong,^a Xiaoshan Xu,^{*a} Peter A. Dowben^{*a}

^a Department of Physics and Astronomy, University of Nebraska, Lincoln, Nebraska 68588-0299, U.S.A.

^b Advanced Light Source, Lawrence Berkeley National Laboratory, Berkeley, CA, U.S.A.



S1. The room temperature magneto-optic derived hysteresis loop of a ~100 nm thin film NiCo_2O_4 grown on MgAl_2O_4 . The ferromagnetic coercivity is about 200 Oe out of plane.



S2. Magnetization *versus* temperature curve of a NiCo₂O₄ thin film. The Curie temperature is about 325 K.