

Supporting Information

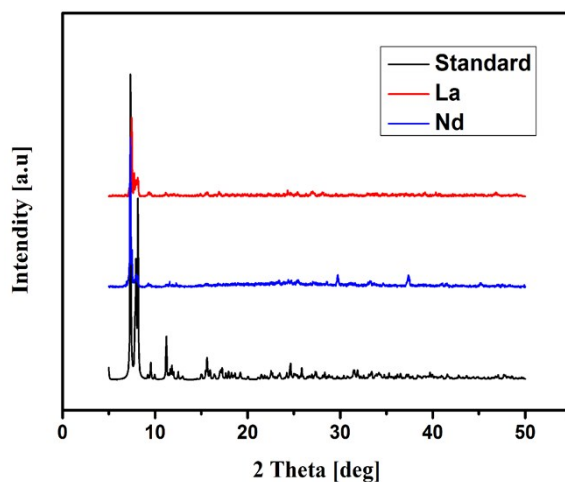


Figure S1. The simulated XRD pattern and the experimental patterns for complexes **1** and **2**.

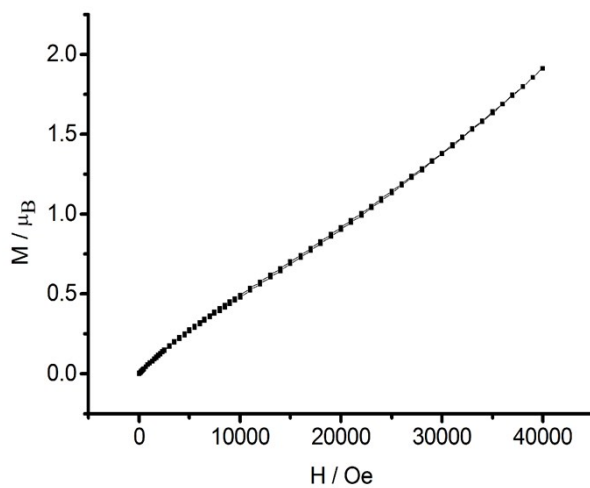


Figure S2. M versus H plot at 2 K for compound **1**.

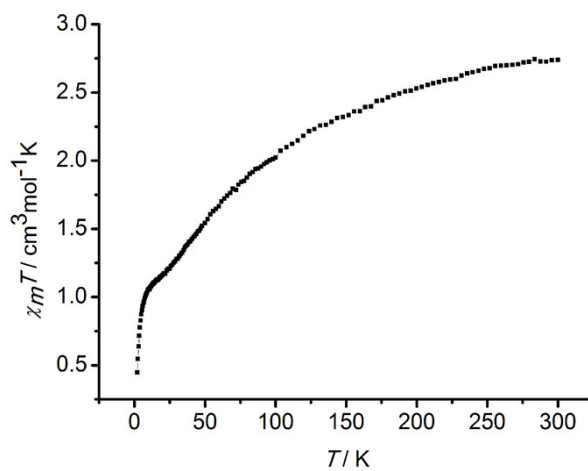


Figure S3. The 'subtracted' $\chi_m T$ versus T plots at 0.1 T for compound **2**.

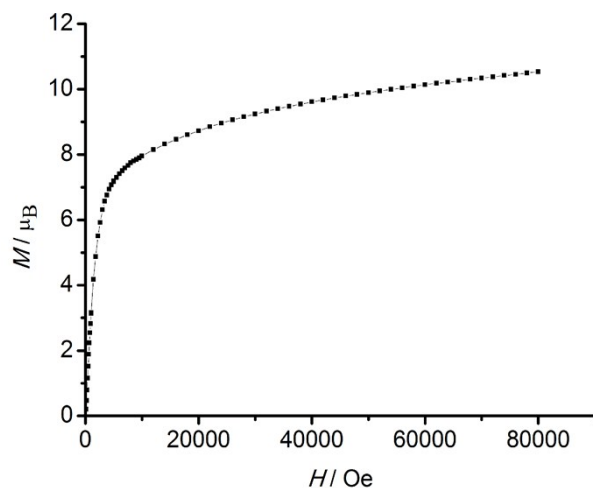


Figure S4. M versus H plot at 2 K for compound **2**.

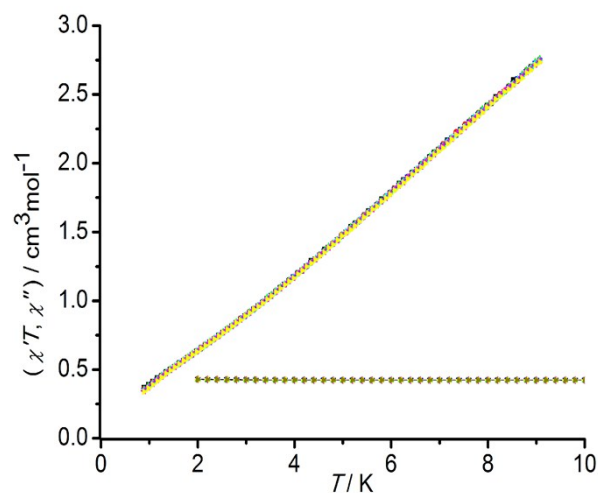


Figure S5. Temperature dependences of in-phase $\chi'T$ (top) and out-of-phase χ'' (bottom) ac susceptibilities of **1** at 511 Hz—5111 Hz in zero dc field and 3.0 G field oscillating.

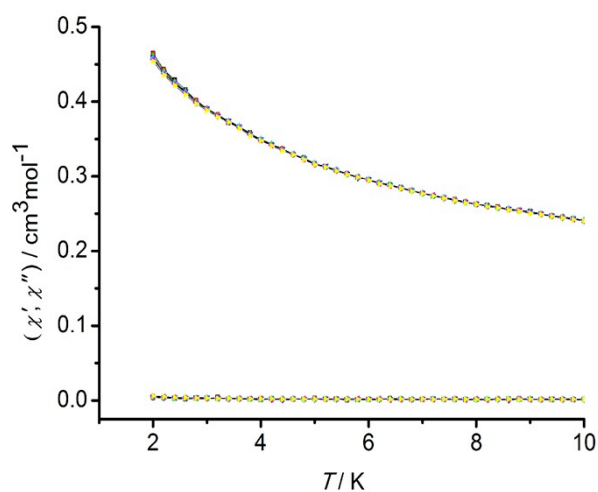


Figure S6. Temperature dependences of in-phase χ' (top) and out-of-phase χ'' (bottom) ac susceptibilities of **2** at 511 Hz—5111 Hz in zero dc field and 3.0 G field oscillating.