

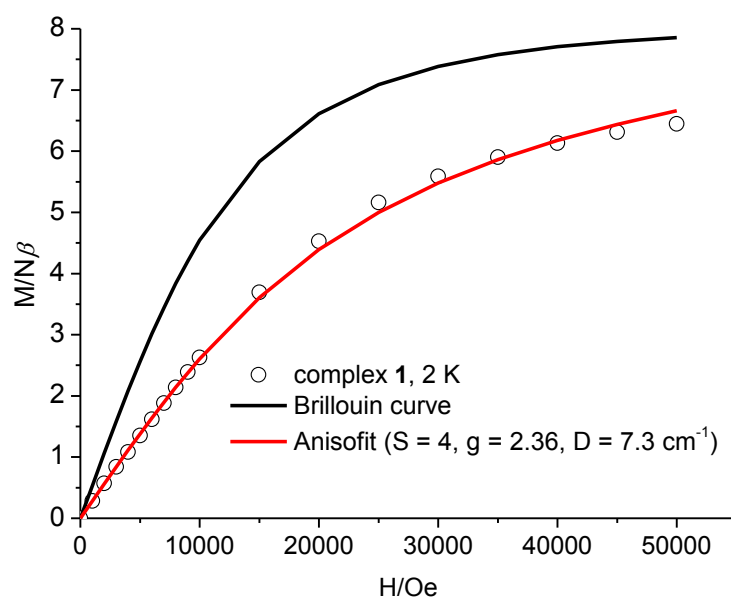
## Electronic Supporting Information

### **Syntheses, structure, and magnetic properties of a family of hexanuclear $\text{Mn}^{\text{III}}_2\text{M}^{\text{III}}_4$ ( $\text{M} = \text{Y, Gd, Tb, Dy}$ ) complexes**

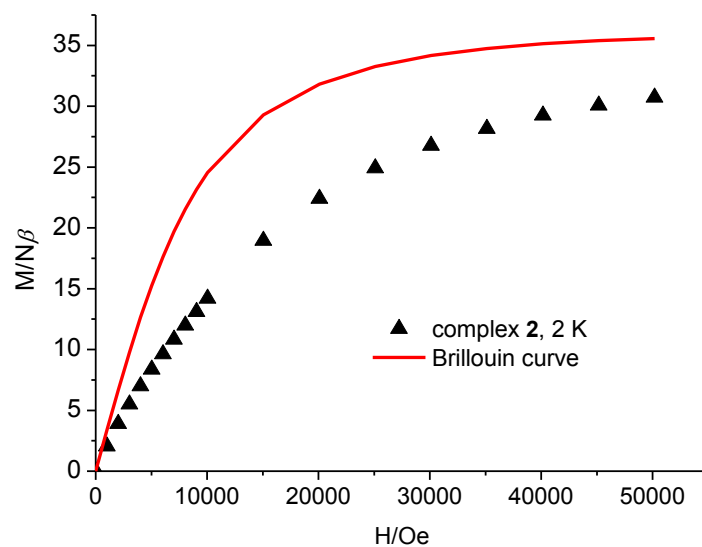
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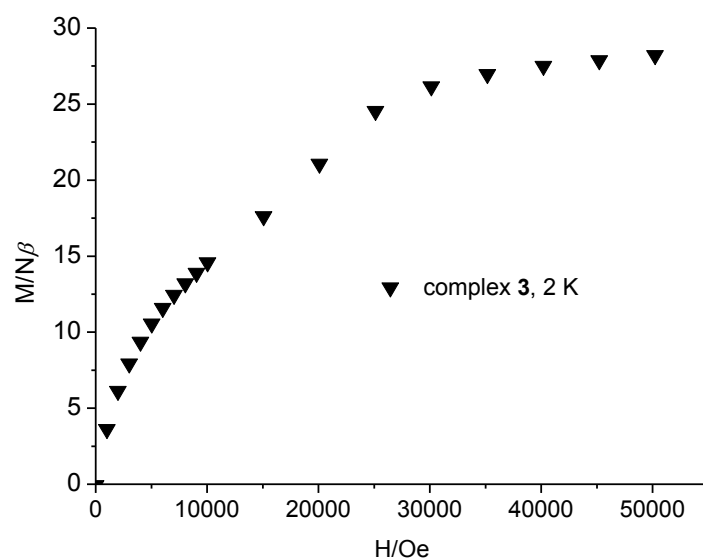
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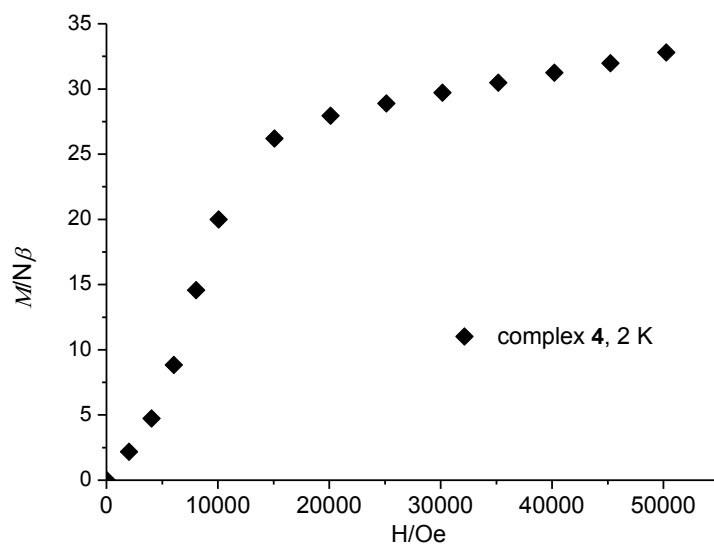
**Fig. S1.** Field dependence of magnetization for the  $\text{Mn}_2\text{Y}_4$  complex at 2.0 K.



**Fig. S2.** Field dependence of magnetization for the  $\text{Mn}_2\text{Gd}_4$  complex at 2.0 K.



**Fig. S3.** Field dependence of magnetization for the  $\text{Mn}_2\text{Tb}_4$  complex at 2.0 K.



**Fig. S4.** Field dependence of magnetization for the  $\text{Mn}_2\text{Dy}_4$  complex at 2.0 K.