

Electronic Supplementary Information (ESI)

Concentric Archimedean Polyhedra: $\text{Mn}^{\text{III}}_{12}\text{Mn}^{\text{II}}_9$ Aggregates Linked into a Cubic Network

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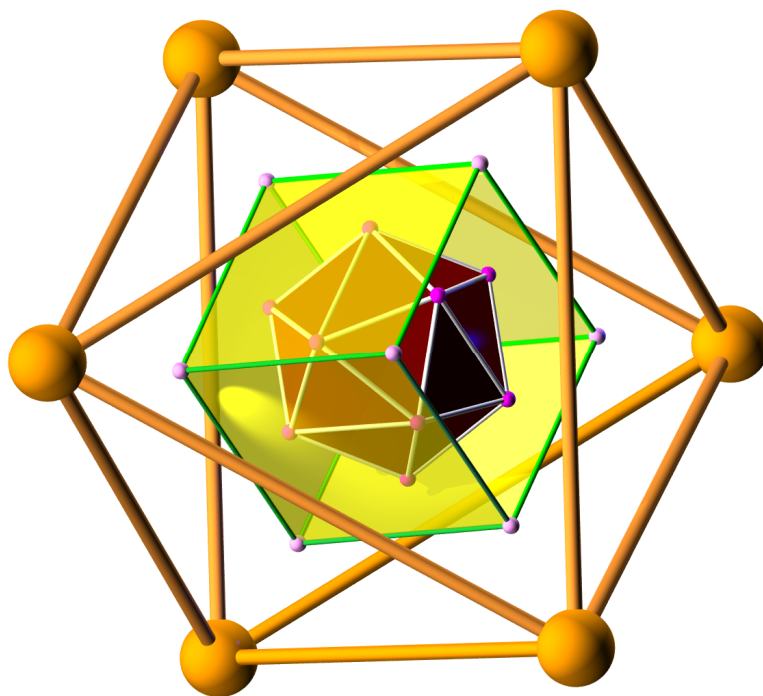


Figure S1. A representation of the different kinds of concentric polyhedra. present in the compound. The central MnII and its surrounding oxo-cube are omitted for clarity.

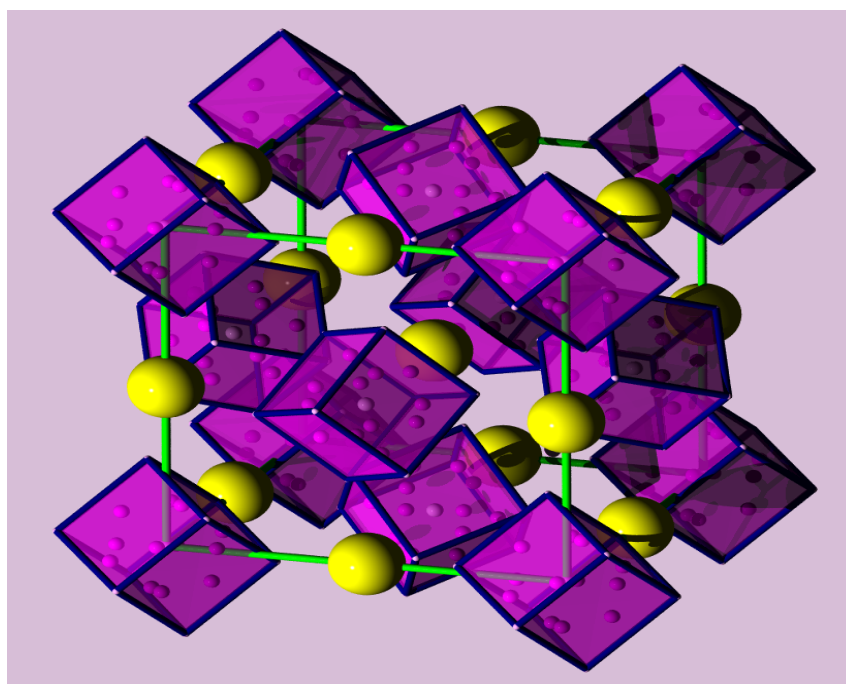


Figure S2. A Pov-Ray representation of the cationic cluster-units (cube) and anionic Mn^{II} linkers (yellow spheres) in the 3D network which resembles iron pyrites lattice type.

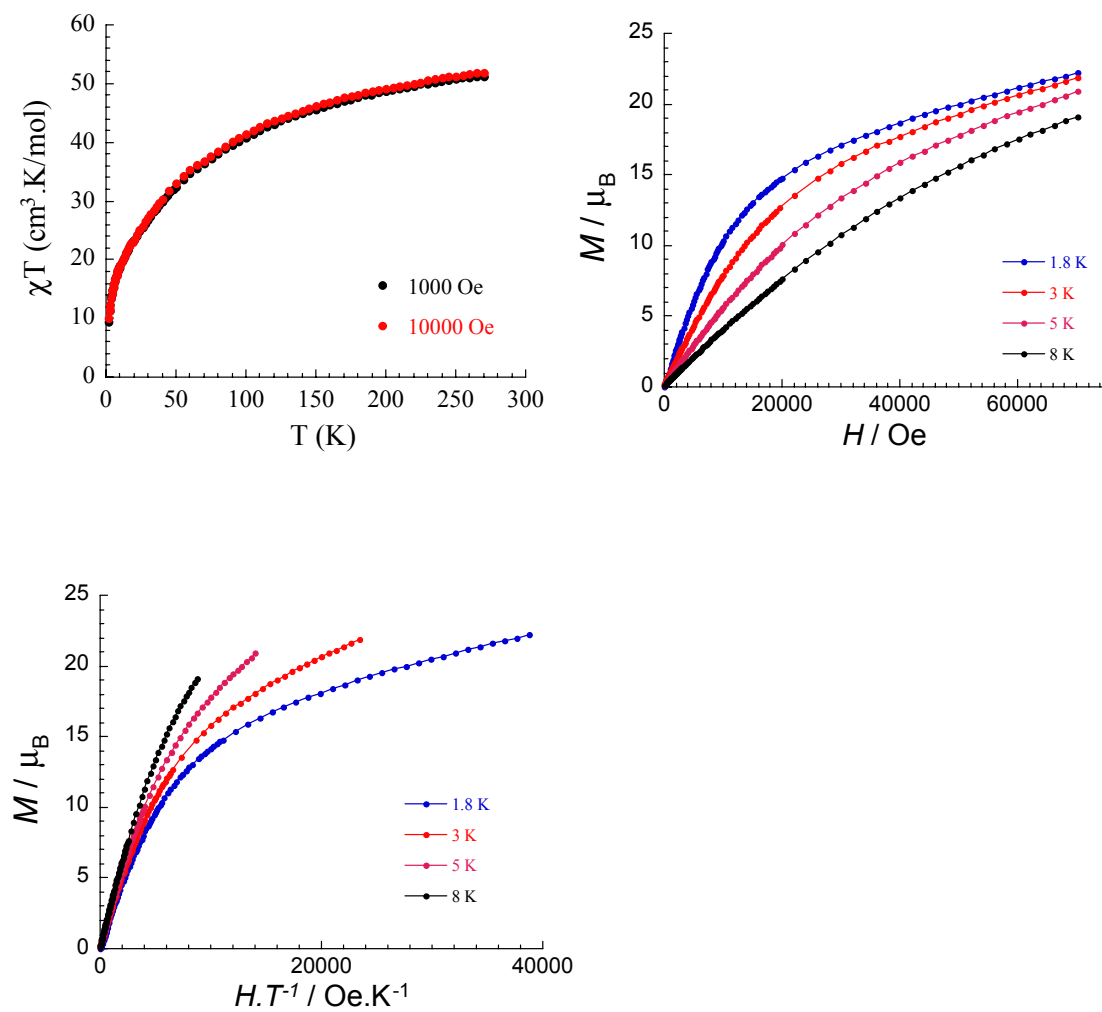


Figure S3. Temperature dependence susceptibility (top left), magnetization (top right) and reduced magnetization (bottom) of compound **1**.

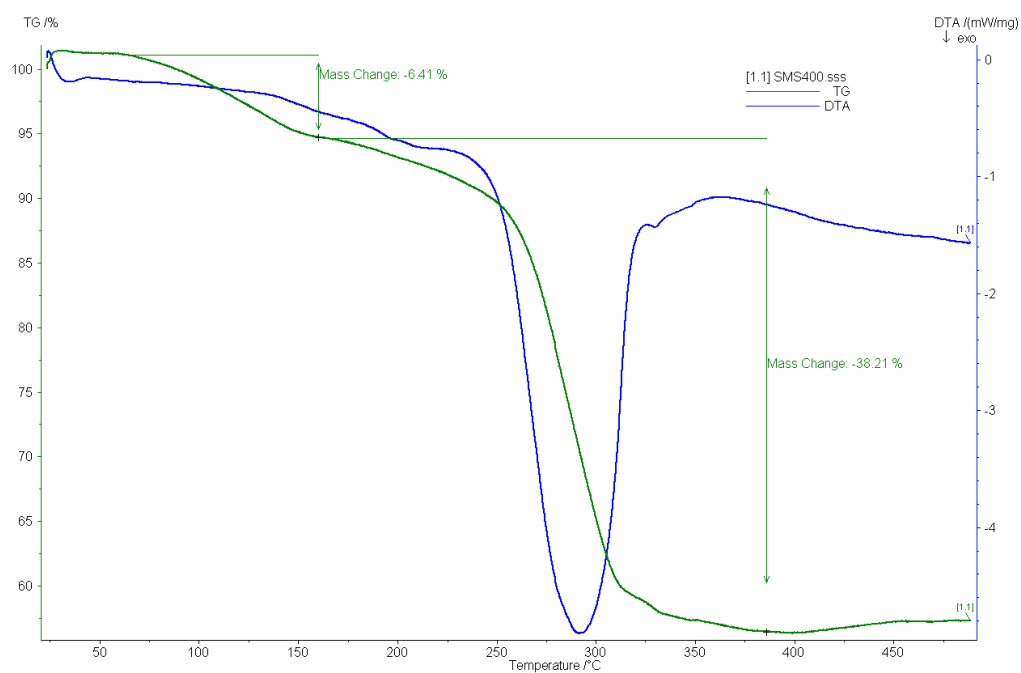


Figure S4. TGA and DTA-analysis of compound **1**.