

Cover Picture

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The cover picture shows the idealized $[\text{Mn}^{\text{II}}(\mu\text{-CN})_{30}\text{Mo}^{\text{V}}]$ core of a novel cyanide bridged molecular cluster. Six Mo^{V} ions (red spheres) form an octahedron around the central Mn^{II} ion (green sphere in the center). The faces of this octahedron are capped by eight additional Mn^{II} ions (green spheres) and the total geometry is close to a rhombododecahedron. This cluster contains 15 paramagnetic ions and as a consequence has an extraordinarily high number of unpaired electrons, namely 51. The ferromagnetic interaction between the metal ions within a cluster leads to an $S = 51/2$ ground state. Due to additional ferromagnetic intercluster coupling, a complex magnetic behavior is observed below 44 K. More details are given by S. Decurtins et al. on p. 1605ff.

