

2008, Volume 47

Marta Viciano-Chumillas, Stefania Tanase, Ilpo Mutikainen, Urho Turpeinen, L. Jos de Jongh,* and Jan Reedijk*: Mononuclear Manganese(III) Complexes as Building Blocks for the Design of Trinuclear Manganese Clusters: Study of the Ligand Influence on the Magnetic Properties of the $[\text{Mn}_3(\mu_3\text{-O})]^{7+}$ Core

Page 5926. The J and g values presented in the Table 4 of compounds $[\text{Mn}_3(\mu_3\text{-O})(\text{phpzMe})_3(\text{MeOH})_3(\text{MeCO}_2)]$ (**2**) and $[\text{Mn}_3(\mu_3\text{-O})(\text{phpzH})_3(\text{MeOH})_4(\text{N}_3)]$ (**3**) should be $J_1 = -7.2 \text{ cm}^{-1}$, $J_2 = +7 \text{ cm}^{-1}$, and $g = 2.13$ for compound **2** and $J_1 = -5.7 \text{ cm}^{-1}$, $J_2 = -3.9 \text{ cm}^{-1}$, and $g = 2.17$ for **3**. These values correspond with the ones reported in the text.

Page 5929. One of the planes that defines a dihedral angle with a value of 40.11° is incorrect. The correct sentence should read as follows:

Complex **2** shows the most structurally distorted $[\text{Mn}_3^{\text{III}}(\mu_3\text{-O})]^{7+}$ core, with one of the $\text{Mn}-\text{O}_{\text{oxido}}-\text{Mn}$ angles of 116.10° and a deviation of the oxido bridge from the Mn_3 plane of 0.172 \AA . In view of the arguments presented for Group II, the smaller $\text{Mn}-\text{O}_{\text{oxido}}-\text{Mn}$ angle, corresponding with $\text{Mn}(2)-\text{O}(1)-\text{Mn}(3)$, together with a large dihedral angle ($\delta_{\text{MnNNMn}-\text{MnOMn}} = 40.11^\circ$) between the $\text{Mn}-\text{O}-\text{Mn}$ plane and the $\text{Mn}(2)-\text{N}_{\text{pz}}-\text{N}_{\text{pz}}-\text{Mn}(3)$ coordination plane, could be held responsible for the observed ferromagnetic interaction along this path.

Note: None of the conclusions are affected by these changes.

IC802339B

10.1021/ic802339b
Published on Web 12/22/2008