

# Synthesis of Tetrahemispheraplexes with Ammonium, Alkylammonium or Alkaline Metal Ions as Exohedral Guests via Self-Assembly or Guest Exchange

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**Keywords:** Cage compounds / Supramolecular chemistry / Magnesium / Host-guest chemistry

*In the printed article,<sup>[1]</sup> the stereo views of Figure 1 on page 824 and Figures 2 and 3 on page 826 have erroneously been expanded horizontally, thus causing difficulties in obtaining the intended 3D impression. Therefore, Figures 1–3 are reproduced here with the correct separation. The electronic version is not affected by this error.*

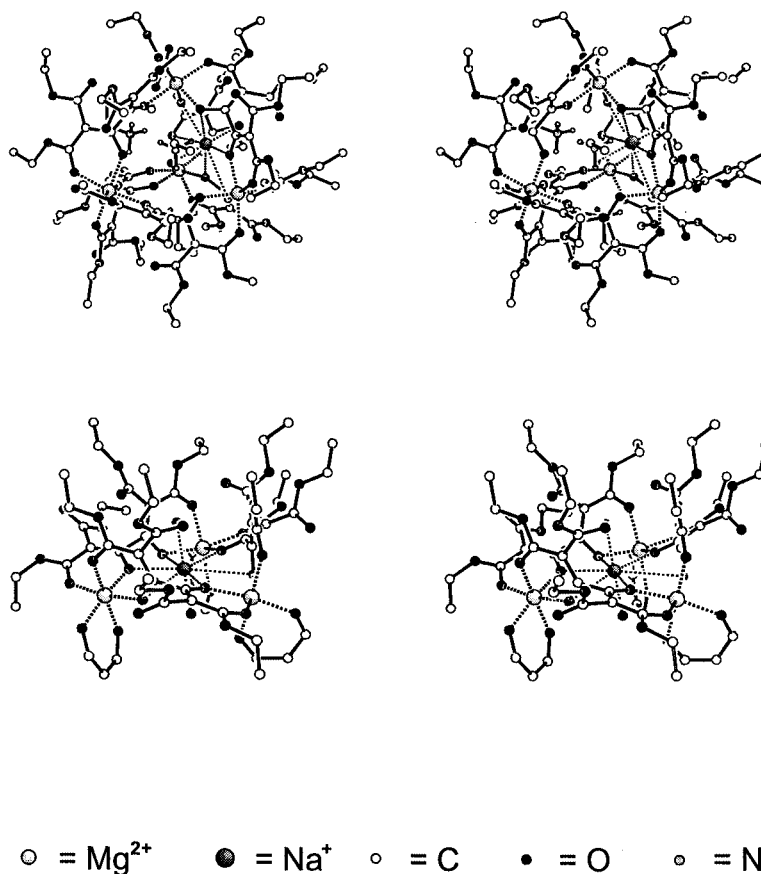


Figure 1. (Stereo view): Top: Structure of  $\{\text{Na}(\text{Et-NH}_3)_3\} \cap [\text{Mg}_4(\text{L}^2)_6]$  **4** ( $\text{L}^2$ : R = Et) in the crystal. Bottom: Selected tetrahedral face highlighting its metalla-coronate character. Solvent molecules and hydrogen atoms except ammonium hydrogens are not depicted for clarity

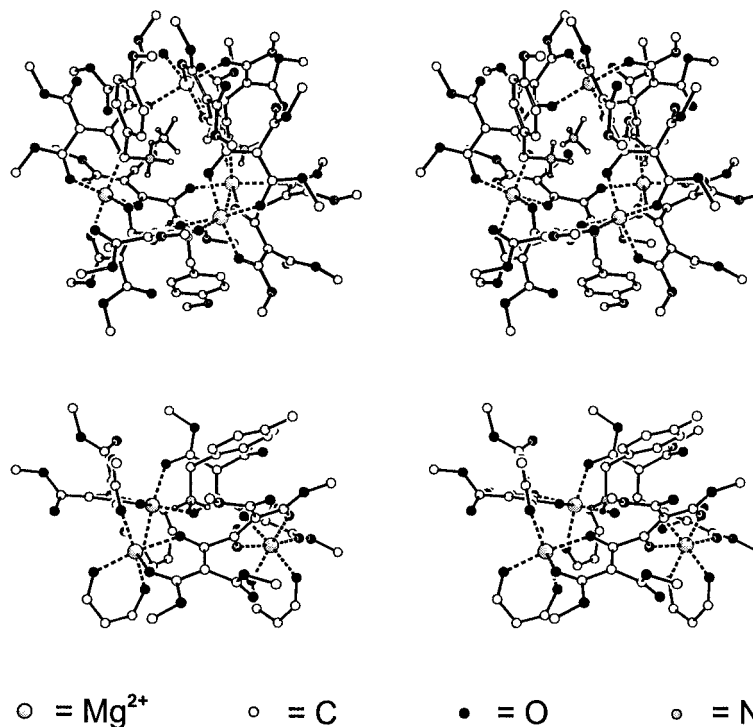


Figure 2. (Stereo view): Top: Structure of  $\{(\text{NH}_4)_2(\text{R}^2-\text{NH}_3)_2\}[\text{Mg}_4(\text{L}^1)_6]$  6 ( $\text{L}^1$ :  $\text{R} = \text{Me}$ ;  $\text{R}^2 = p\text{-MeOC}_6\text{H}_4\text{CH}_2$ ) in the crystal. Bottom: Selected tetrahedral face hosting  $p$ -methoxybenzylammonium. Solvent molecules and hydrogen atoms except ammonium hydrogens are not depicted for clarity

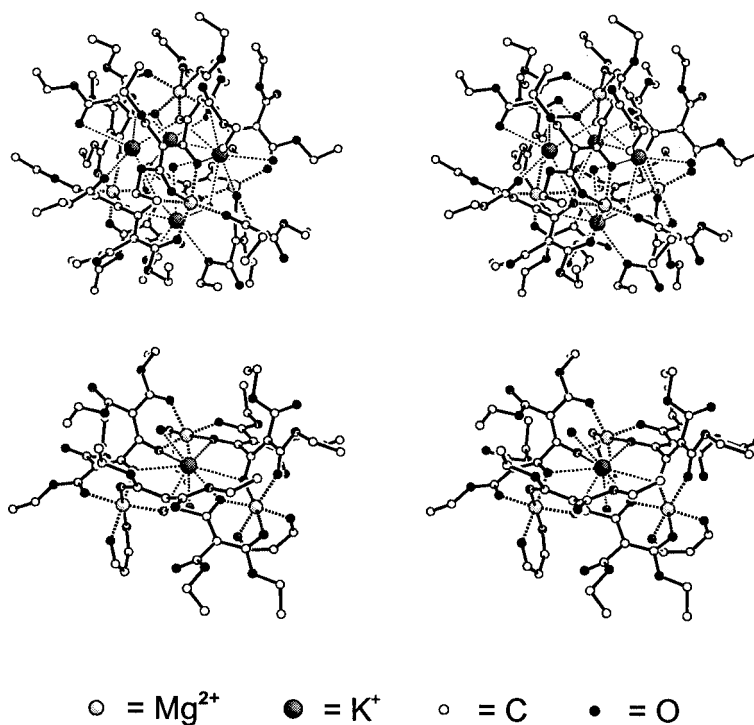


Figure 3. (Stereo view): Top: Structure of  $\{\text{K}_4\}[\text{Mg}_4(\text{L}^2)_6]$  7a ( $\text{L}^2$ :  $\text{R} = \text{Et}$ ) in the crystal. Bottom: Selected tetrahedral face highlighting its metalla-coronate character. Solvent molecules and hydrogen atoms are not depicted for clarity

[1] R. W. Saalfrank, B. Demleitner, H. Glaser, H. Maid, S. Reihs, W. Bauer, M. Maluenga, F. Hampel, M. Teichert, H. Krautscheid, *Eur. J. Inorg. Chem.* **2003**, 822–829.