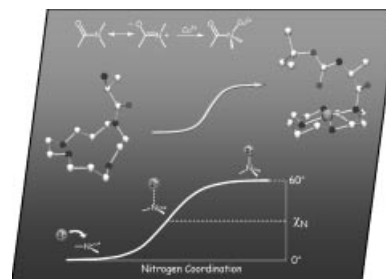


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COVER PICTURE

The cover picture shows the structural changes in tertiary carboxamide groups induced by coordination of the electrically neutral nitrogen atom to a metal ion. Changing the hybridization from sp^2 to sp^3 results in pyramidalization at the nitrogen atom. This is expressed by the parameter χ_N which ranges from 0° (sp^2) to 60° (sp^3). Werner complexes with relatively weak $M-N^{\text{amide}}$ bonds are known with χ_N values between 30° and 47° . Full sp^3 hybridization with complete lifting of the resonance and a value of 58° for χ_N is achieved in a complex in which the copper(II) ion is in the centre of the tetraazamacrocyclic amide ligand *tert*-butoxycarbonyl-alanyl-cyclam. Details of its synthesis and structure are discussed in the article by R. Alsfasser et al. on p. 2357 ff.



MICROREVIEW

Contents

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Artificial Light-Harvesting Systems by Use of Metal Coordination

Keywords: Energy conversion / Complementary coordination / Porphyrinoids / Phthalocyanines / Perylenebisimide / Bi(ter)pyridyl complex

