

Short Review in Crystal and Molecular Structures of Copper(I) Complexes

Aghabozorg, H. and Ranjbar, M.

Department of Chemistry, Faculty of Sciences, Teacher Training University,
Tehran - IRAN.

Key Words : *Preparation, Copper(I) Complexes, Crystal and Molecular Structures, Metal-Metal Interactions.*

Abstract : In this review article, the methods of preparation of copper(I) complexes, stereochemistry (crystal and molecular structures) of mono-, bi-, tri-, tetra-, penta-, hexa-, octa-, dodeca-, and finally polynuclear complexes have been studied. In addition, metal-metal interaction in some cases, have been discussed. For the first time, four new copper(I) complexes (mono-, di-, and hexamer) have been reported.