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Chem 4380 Fall 2001

4. An example of a five-coordinate square pyramidal copper(II) coordination geometry

Title: Crystal Structure of a Novel Red Copper Protein from *Nitrosomonas europaea*

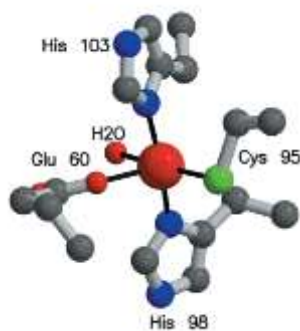
Authors: Raquel L. Lieberman, David M. Arciero, Alan B. Hooper, and Amy C. Rosenzweig

Citation: *Biochemistry* **2001**, 40, 5674-5681

Yours will come from the current year.

DOI: 10.1021/bi0102611

ASAP articles are acceptable, but they must have the date of their web posting.



Including a figure from the article is ok, as long as the citation is clearly provided.

Copper in this geometry has a +2 oxidation state and has a d^9 electron count, in this oxidized form of the protein.

1. One example of a complex with a metal in a *six-coordinate octahedral geometry*.
2. One example of a complex with a metal in a *four-coordinate tetrahedral geometry*.
3. One example of a complex with a metal in a *four-coordinate square planar geometry*.