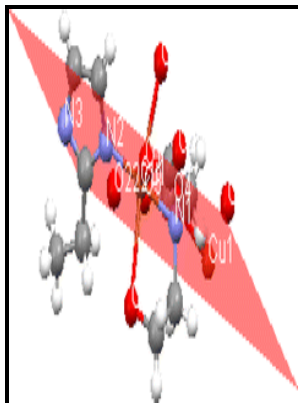


# Synthesis characterisation and reactivity of Iron (III) complexes with N-(2-Pyridylmethyl)iminodiacetate.

University of Manchester - Publications



Description: -

-synthesis characterisation and reactivity of Iron (III) complexes with N-(2-Pyridylmethyl)iminodiacetate.

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Notes: Thesis (M.Sc.), - University of Manchester, Department of Chemistry.

This edition was published in 1995



Filesize: 32.28 MB

Tags: #Oxygen #Activation #at #Mononuclear #Nonheme #Iron #Centers: #A #Superoxo #Perspective

## Sonochemical synthesis, characterization, biological applications, and DFT study of new nano

Next, Ag OATRP, a form of ARGET ATRP, was employed to further test the scope of the newly synthesized catalyst. Important processes such as catabolism, angiogenesis, respiration, and apoptosis rely on oxidation reactions driven by these reactive intermediates ,.

## The synthesis, characterisation and application of iron(iii)

The maximum for the lowest energy MLCT peak in the monometallic complexes is in the 530-550-nm region while the bimetallic complexes, with an increased stability of the.

## Publications

Journal of the American Chemical Society 2019, 141 26 , 10148-10153. Dinuclear bis  $\mu$ -oxo diiron IV model complexes Intermediate Q is considered as the key oxidizing species in the catalytic cycle of sMMO, performing the chemically exceedingly challenging conversion of methane to methanol.

## Publications

Often a high-valent iron-oxo oxidant is proposed to form upon dioxygen activation at a mononuclear nonheme iron center, presumably via intervening iron-superoxo and iron-peroxo species.

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