21世紀COE京都大学化学連携研究教育拠点　講演会

Structural Analysis of Light Induced and Thermal Trapped Metastable Iron (II) High Spin States

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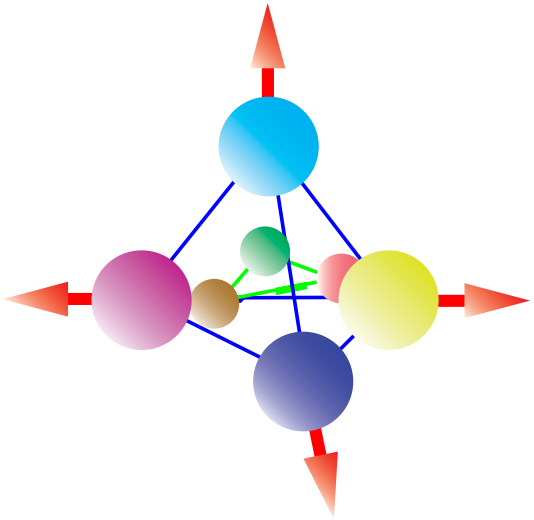
場所: 理学部6号館 201室

Abstract

The spin conversion in Iron(II) complexes is widely studied for the complexity of the fundamental problems it raises as well as for the many potential applications it offers.

Up to now, just a few structural studies of metastable Iron (II) high spin states have been performed.The detailed crystal structures of the light induced high spin state of $Fe(Phen)_2(NCS)_2$ and of the thermal trapped high spin state of $Fe(PM\text{-}BiA)_2(NCS)_2$, both at 30K will be presented.

These high spin states will be characterized using some new structural parameters and a comparative analysis will be given.



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