



Copper(II) chromate and dichromate complexes with polypyridines. Physicochemical and reactivity studies.

Autorzy

Maria Cieślak-Golonka

Adam Bartecki

Julia Jezierska

Rok wydania

1991

Czasopismo

Polyhedron

Numer woluminu

10

Strony

2179-2184

DOI

10.1016/S0277-
5387(00)86138-0

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

Copper chromate and dichromate complexes with 2,2'-bipyridyl and 1,10-phenanthroline were synthesized and characterized (UV-vis, IR, FIR, ESR and thermal data). The coordination of the anion in the chromate complexes was proposed from the IR data. The ESR data for the powdered samples reflect both $d_{x^2-y^2}$ and d_{z^2} ground states for the copper ion whereas the glassy solution spectra exhibit only the former. The presence of the chromium(V) ion in the spectra of the complexes dissolved in the water-ethylene glycol mixture is discussed.

Adres publiczny

[https://doi.org/10.1016/S0277-5387\(00\)86138-0](https://doi.org/10.1016/S0277-5387(00)86138-0)

Strona internetowa wydawcy

<http://www.elsevier.com>