

## عنوان مقاله:

Synthesis and characterization of mixed ligand complex of Cd (II) with new azo compound based on 1-naphthylamine and 1, 10-phenanthroline and investigation of its conversion to nano- materials

## محل انتشار:

همایش ملی نانو فناوری و شیمی سبز (سال: 1391)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

A new mixed ligand complex of cadmium (II) has been synthesized with new azo compound based on naphthylamine and 1, 10-phenanthroline. The structure of the free ligand and its mixed ligand complex was characterized by using elemental analysis IR spectra and  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR spectra. In this paper, we report the synthesis of nanocrystalline cadmium oxide (CdO) and its characterization by FT-IR, scanning electron microscopy (SEM) and XRD.

## کلمات کلیدی:

Azo compound; Mixed ligand complex; Naphthylamine; Cd metal; Nano-materials

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/203338>

