

### عنوان مقاله:

Synthesis and characterization of new azo-azomethine ligand based on 2-amino-4-chlorophenol and studying conversion of its Nickel (II) complex to nano-materials

### محل انتشار:

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

تعداد صفحات اصل مقاله: 6

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### خلاصه مقاله:

Some new azo-metal chelates were synthesized using different diazo components, coupling components and metal ions. New azo-azomethine dyes were prepared by reaction of 2-amino-4-chlorophenol with aniline respectively to form azo compounds. The complex of this ligand with Ni(II) metal ion was prepared. NiO nanopowders have been obtained by calcination of the compounds at 650 °C and characterized by FT-IR, XRD and SEM.

### کلمات کلیدی:

Amino-4-chlorophenol; Azo-azomethine ligand; Nickel complex; Nano-sized particles-2

### لینک ثابت مقاله در پایگاه سیویلیکا:

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