

## عنوان مقاله:

Chemical co-precipitation method for synthesis of Cu-Co oxide nanocomposite

## محل انتشار:

اولین کنفرانس ملی شیمی کاربردی و نانوشیمی (سال: 1397)

تعداد صفحات اصل مقاله: 4

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## خلاصه مقاله:

A lot of synthesis methods have been utilized for producing nanocomposite materials in the last decade. This research reports the facile and fast method to synthesize metal oxide nanocomposite. The Cu-Co oxide nanocomposite (Cu-Co ONC) was synthesized using chemical co-precipitation method. To synthesize of copper-cobalt oxide precursor, aqueous solution of  $\text{Cu}^{2+}$  and  $\text{Co}^{2+}$  (1:1) were mixed together and the pH controlled by additional of the NaOH solution. The obtained precursor was calcined at  $500^{\circ}\text{C}$  under air atmosphere for 2h. Then synthesized nano Cu-Co composite was characterized by X-ray diffraction (XRD) and scanning electron microscopy (SEM). We suggest this facile and useful method can be used for synthesis of variety kind of nanocomposite materials.

## کلمات کلیدی:

Cu-Co ONC, co-precipitation, calcination

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/813735>

