

## عنوان مقاله:

SYNTHESIS OF PERHYDROTRIAZOLOTRIAZOLE CATALYZED BY NANO-CUFe<sub>2</sub>O<sub>4</sub>@CHITOSAN

## محل انتشار:

چهارمین همایش ملی شیمی، پتروشیمی و نانو ایران (سال: 1395)

تعداد صفحات اصل مقاله: 4

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## خلاصه مقاله:

Nano-CuFe<sub>2</sub>O<sub>4</sub>@Chitosan nanocatalyst has been used as an efficient catalyst for the preparation of perhydro[1,2,4]triazolo[1,2-a][1,2,4]triazole-1,5-dithiones from the condensation of various aldazines and potassium thiocyanate in acetonitrile solvent at room temperature. The catalyst was characterized by powder X-ray diffraction ((XRD), and scanning electronic microscopy (SEM).

## کلمات کلیدی:

nanocatalyst, CuFe<sub>2</sub>O<sub>4</sub>@Chitosan, aldazines, potassium thiocyanate, fused heterocycles

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/587359>

