## عنوان مقاله:

Silver functionalized on hydroxyapatite-core-shell magnetic y-FeYOW: An environmentaly and readily recyclable nanatalyst for the one-pot synthesis of NFH-dibenzo[a,j]xanthenes derivatives

# محل انتشار:

نشریه آسیایی شیمی سبز, دوره 2, شماره 4 (سال: 1397)

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### خلاصه مقاله:

An efficient and simple procedure for the preparation of silver functionalized on hydroxyapatite-core-shell magnetic y-FeYOr nanoparticles (γ-FeYOr@HAp-Ag)as an environmentaly efficient magnetically recoverable and reusable catalyst is described, and it is used for the one-pot synthesis of 1F-aryl-1FH-dibenzo[a,j]xanthenes via a cost-effective and atom-economical procedure from substituted benzaldehydes and β-naphthol under solvent-free conditions at ۶۰ °C. The attractiveness of this protocol lies in its green approach in that the catalyst is easily recoverable using an .external magnet, which makes the process economical

# كلمات كليدى:

γ-FerOr@HAp-Ag Lewis acidic catalyst ۱۴-aryl-۱۴Hdibenzo[a, j]xanthenes Rusable of catalyst

لینک ثابت مقاله در پایگاه سیویلیکا:

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