

عنوان مقاله:

One-pot Efficient Oximation-Beckmann Rearrangement of Ketones Catalyzed by Fe_3O_4 Under Solvent-free Conditions

محل انتشار:

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خلاصه مقاله:

Fe_3O_4 nanoparticles were employed as an efficient and magnetically separable Nano catalyst for the synthesis of amides via one-pot Beckmann rearrangement of ketones under solvent-free conditions. Various secondary amides were synthesized by this method in moderate to good yields. The catalyst showed high thermal stability and was recovered and reused at least five times without any considerable loss of activity. The present process is environmentally benign and economical

کلمات کلیدی:

Magnetic, Beckmann rearrangement, Green catalyst, Ketones, Fe_3O_4

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