

عنوان مقاله:

Citric Acid Coated Magnetite Nanoparticles: An Efficient and Reusable Green Catalyst for Rapid Acetylation of Alcohols and Phenols

محل انتشار:

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خلاصه مقاله:

The acetylation of various alcohols and phenols was performed successfully using acetic anhydride in the presence of Citric acid coated magnetite nanoparticles as catalyst under solvent-free condition and at ۴۵ °C. The catalyst showed high thermal stability and was recovered and reused at least ۵ times without any considerable loss of activity. The present process is environmentally benign and economical.

کلمات کلیدی:

Magnetic nanoparticles, Citric acid, Acetylation, Green catalyst

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<https://civilica.com/doc/1766355>

