عنوان مقاله:

Synthesis and characteriza on of poly(4-vinylpyridinium hydrochloride)- CrO3/SBA-15 nanocomposite as a selec ve heterogeneous oxidant for oxida on of alcohols

محل انتشار:

اولین کنفرانس ملی علوم و فناوری نانو (سال: 1389)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Roozbeh Javad Kalbasi - *Department of chemistry, Islamic Azad University, Shahreza Branch, ۳۱۱-۸۶۱۴۵, Shahreza, Isfahan, Iran*

Majid kolahdoozan - *Department of chemistry, Islamic Azad University, Shahreza Branch, ۳۱۱-۸۶۱۴۵, Shahreza, Isfahan, Iran*

Seyed Mohsen Hosseini - *Department of chemistry, Islamic Azad University, Shahreza Branch, ۳۱۱-۸۶۱۴۵, Shahreza, Isfahan, Iran*

خلاصه مقاله:

CrO3 supported mesoporous poly (4-hydrovinylpyridinium)/SBA-15 nanocomposite have been synthesized as a heterogeneous oxidant for oxidation of aromatic alcohols. Obtained products were characterized by means of XRD, SEM and FT-IR. BET was used for evaluation of surface. Results showed that the nanocatalysts have high specific surface area and high specific pore volume. Herein, we will introduce a simple and eco-environmental friendly catalyst for the effective conversion of aromatic alcohols to their corresponding aldehyde or ketone derivatives under mild and heterogeneous conditions

کلمات کلیدی:

Nanocomposite, SBA-15, Organic–inorganic hybrid polymer, Heterogeneous catalyst, Alcohol oxidation

لینک ثابت مقاله در پایگاه سیویلیکا: