

عنوان مقاله:

(Generation of palladium nanoparticles inside porous isorecticular metal-organic framework (Pd@IRMOF-3

محل انتشار:

دومین کنفرانس ملی ژئولیت ایران (سال: 1394)

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خلاصه مقاله:

Palladium nanoparticles encapsulated in the cage of amine functionalized metal organic frameworks IRMOF-3 have been prepared using in situ reduction of palladium II to palladium 0. The mono-dispersed palladium nanoparticles were characterized by X-ray diffraction, scanning electron microscopy and transmission electron microscopy. These images clearly evidenced intact metal-organic framework (MOF) pores in IRMOF-3 nanocrystals that were loaded with palladium nanoparticles.

کلمات کلیدی:

Metal-organic frameworks (MOFs); IRMOF-3; Pd@IRMOF-3

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