

## عنوان مقاله:

GRAFTED NITROGEN DONOR BIDENTATE LIGAND INTO MESOPOROUS SILICA FOR OLEFIN  
TRIMERIZATION

## محل انتشار:

سومین کنفرانس بین المللی نفت، گاز و پتروشیمی (سال: 1394)

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## خلاصه مقاله:

Mesoporous silica and organosilica materials are a class of nanostructured materials that have porous structures with tunable nanometer pores, large surface areas, high pore volumes, and, in some cases, well-ordered mesostructures. Mesoporous structures synthesized many applications in various fields including drug delivery, biosensors and as a support for catalyst. Various organic functional groups can be established on the surface of mesoporous silica and used in different reactions. This study highlights the different synthetic methods developed for mesoporous silica and organosilica nanomaterials. The study discusses on the synthesis of regular SBA-15 silica and the functionalization surface of this mesoporous structures with donor nitrogen groups and chromium catalyst loading and finally using of this catalytic system for ethylene trimerization. The silica substrates regular mesoporous analysis using XRD, BET, FTIR has been studied and confirmed

## کلمات کلیدی:

Trimerization, Nitrogen donor ligands, Mesoporous silica, Cr catalysts

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/426057>

