

عنوان مقاله:

Efficient Catalysts and their Supports from Carbon Nanotubes

محل انتشار:

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خلاصه مقاله:

Carbon nanotubes (CNT) have nano-sized channels that have received significant attention in recent years, and there are rapid advances in technique to produce them. Metals supported on these carbon nanostructured materials exhibit unusual catalytic activity and selectivity patterns when compared to those encountered with traditional catalyst support such as alumina, silica or activated carbon. Several methods such as incipient wetness impregnation, ion-exchange, organo-metallic grafting, electron beam evaporation and deposition/precipitation have been used to prepare carbon nanotubes supported catalyst. In addition several studies have been carried on different catalytic reactions. Particularly, a lot of attention has been dedicated to liquid-phase reactions with multi wall carbon nanotube (MWCNT) supported catalysts. This article gives a brief review about use of carbon nanotube (CNT) and nanofibers as catalysts and catalysts supports.

کلمات کلیدی:

Carbon nanotubes; catalysts supports; nano structure catalysts, nano fibers

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