

عنوان مقاله:

Natural Zeolite as Support in Carbon Nanofiber Synthesis

محل انتشار:

همایش بین المللی ژئولیت ایران (سال: 1387)

تعداد صفحات اصل مقاله: 4

نویسندگان:

Faramarz Sadeghzadeh - *Department of Chemistry, Sharif University of Technology, Azadi Ave., Tehran, Iran*

Mohammad Khodadadi Moghadam, - *Department of Chemistry, Sharif University of Technology, Azadi Ave., Tehran, Iran*

Mohammad R Gholami - *Department of Chemistry, Sharif University of Technology, Azadi Ave., Tehran, Iran*

خلاصه مقاله:

Carbon nanofiber were synthesized at 450-8000 C by the catalytic CVD method using clinoptilolite(any type of natural zeolite),alumina and carbon supported nickel as catalyst and acetylene as carbon source. It was found that Ni/Zeolite catalyst exhibited a best catalytic effect on the growth of carbon nanofiber at the temperature between 600-7000C.We examined the effect of difference between type of supported material, reaction temperature and the flow rate of .acetylene on the growth of nanofiber. The yield of nanofibers in the product was estimated by SEM

کلمات کلیدی:

Clinoptilolite,Carbon nanofiber, Ni based catalyst, Support, Growth Parameter

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