عنوان مقاله:

Effect Of Support And Promoter Content on Characteristic Properties And Catalytic Activity Of Ni/Ce0.75Zr0.25O2-MgAl2O4 And Ni/Ce0.75Zr0.25O2- yCO2 alumina in methane reforming with co2

محل انتشار:

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تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Nickel catalysts (10 wt.%) supported on MgAl2O4 and -Al2O3 were prepared by the wet impregnation method and promoted with various content of Ce0.75Zr0.25O2. X-ray diffraction (XRD), BET surface area, H2-temperature programmed reduction (TPR) and CO2-temperature programmed desorption (TPD) were employed to observe the characteristics of the prepared catalysts. Ni/-Al2O3 without promoter and Ni/ Ce0.75Zr0.25O2(5%wt.)- MgAl2O4 showed better activity in CO2 methane reforming.

کلمات کلیدی:

CeZrO2 promoter, CO2 reforming, MgAl2O4,-Al2O3

لینک ثابت مقاله در پایگاه سیویلیکا: