

## عنوان مقاله:

Nickel hexacyanoferrate film immobilized on the carbon paste electrode for electrocatalytic oxidation of methanol in the alkaline media

## محل انتشار:

سومین همایش پیل سوختی ایران (سال: 1388)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

The electrocatalytic oxidation of methanol on a carbon paste electrode (CPE) modified by nickel hexacyanoferrate (NiHCF) film in 0.1 M sodium hydroxide solution is described. This electrode was constructed by immobilizing nickel oxide film on the surface of carbon paste electrode, which was performed by derivatization of nickel hexacyanoferrate (NiHCF) in alkaline solution. Cyclic voltammetry experiments yielded evidence that nickel oxide facilitates methanol oxidation, showing excellent catalytic activity.

## کلمات کلیدی:

Nickel hexacyanoferrate; Modified electrode; Methanol; Nickel oxide; Electrocatalytic oxidation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/74573>

