

## عنوان مقاله:

Nickel-nanoparticles for electro-oxidation of ethanol

## محل انتشار:

کنگره ملی شیمی و نانو شیمی از پژوهش تا توسعه ملی (سال: 1396)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

A modified electrode preparation with cheap materials for the electrocatalytic oxidation of ethanol was investigated in this study. Nickel oxide nanoparticle-modified glassy carbon electrode (NiO-NPs@GCE) was utilized at room temperature (20C) for electro-oxidation of ethanol in alkaline media. This electrode can promote the fuel cells anode as an excellent device for producing the energy from ethanol. Decreasing the cost of electrode and increasing the produced energy was reached in our work

## کلمات کلیدی:

Nickel oxide, NiO, Nanoparticle, Electro-oxidation, Ethanol, Fuel cell

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/718168>

