

## عنوان مقاله:

Temperature effects on performance of a single PEM fuel cell enriched by nanoparticles of Ni

## محل انتشار:

دومین کنفرانس ملی هیدروژن و پیل سوختی (سال: 1391)

تعداد صفحات اصل مقاله: 3

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## خلاصه مقاله:

The effect of temperature on the performance of a single PEM fuel cell which has nanoparticles of Ni on its cathode catalyst layer was studied by using currentvoltage measurements. The results show that, performance intensively affected by the temperature and better performances are gained at higher temperatures of cell and intermediate temperatures of hydrogen and oxygen. The best performance of this cell achieved when the cell temperature is 75°C .and hydrogen and oxygen temperatures are 65°C and 55°C, respectively

## کلمات کلیدی:

Nanoparticles, PEM fuel cells, Polarization curves Temperature effect

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/163005>

