

## عنوان مقاله:

Proton exchange membranes based on sulfonated poly (phthalazinone ether ketone) for PEMFCs

## محل انتشار:

ششمین کنفرانس بین المللی فناوری و مدیریت انرژی (سال: 1398)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

In this work proton exchange membranes based on sulfonated poly (phthalazinone ether ketone) and melamine-based dendrimer amines functionalized SBA-15 mesoporous silica have been prepared. The prepared membranes displayed a high proton conductivity of ۱۲۵ mS/cm at ۸۰ °C. The high fuel cell performance, ۰.۴۸ W cm<sup>-۲</sup> power density at ۰.۵ V (۸۰ °C and ۹۰% RH), of the membranes confirm their great potential for use in the PEMFCs

## کلمات کلیدی:

Proton exchange membranes, sulfonated poly (phthalazinone ether ketone), proton conductivity, functionalized SBA-۱۵ mesoporous silica

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1266420>

