سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها
گواهی ثبت مقاله در سیویلیکا
CIVILICA.com

عنوان مقاله:

Electrodeposition of platinum nanoparticles on polyaniline modified electrode in phosphoric acid medium

محل انتشار:

همایش ملی نانو فناوری و شیمی سبز (سال: 1391)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Sayed Amir Mirshafieyan - *Department of Chemistry, Islamic Azad University, Shahre Rey Branch, Tehran*

Leyla Haji Agha Babayi - *Department of Chemistry, Islamic Azad University, Shahre Rey Branch, Tehran*

Padideh Naderi - *Department of Chemistry, Islamic Azad University, Shahre Rey Branch, Tehran*

Ali Parsa - *Department of Chemistry, Islamic Azad University, Shahre Rey Branch, Tehran*

خلاصه مقاله:

This paper describes the electrosynthesis of polyanilin (PAni) film modified with nano platinum particles from [H2 (PtCl6). 6H2O] solution, in phosphoric acid medium containing potassium chloride (KCl) 0.5 M as the electrolyte support on the composite graphite electrode, by cyclic voltammetry method in potential range of -0.2 to 1.00 V. The morphological and structural information of platinum nano particles on PAni modified composite graphite electrode (NPPt/PAni/CG) were confirmed by scanning electron microscope (SEM) and energy dispersive X-Ray spectroscopy (EDX) images

کلمات کلیدی:

Electrodeposition; Nano platinum particles; Polyaniline; Composite graphite

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/203433