Accepted Manuscript

Title: Simple wet-chemical synthesis of alloyed PdAu nanochain networks with improved electrocatalytic properties

Author: Li-Li He Pei Song Jiu-Ju Feng Wen-Hua Huang

Qiao-Li Wang Ai-Jun Wang

PII: S0013-4686(15)30054-2

DOI: http://dx.doi.org/doi:10.1016/j.electacta.2015.06.137

Reference: EA 25262

To appear in: Electrochimica Acta

Received date: 13-2-2015 Revised date: 26-6-2015 Accepted date: 29-6-2015

Please cite this article as: Li-Li He, Pei Song, Jiu-Ju Feng, Wen-Hua Huang, Qiao-Li Wang, Ai-Jun Wang, Simple wet-chemical synthesis of alloyed PdAu nanochain networks with improved electrocatalytic properties, Electrochimica Acta http://dx.doi.org/10.1016/j.electacta.2015.06.137

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Simple wet-chemical synthesis of alloyed PdAu nanochain networks with improved electrocatalytic properties

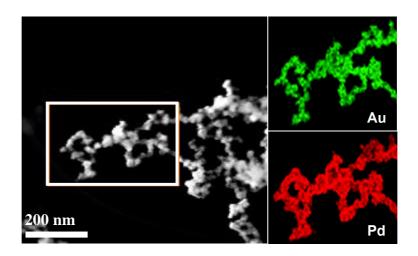
Li-Li He, Pei Song, Jiu-Ju Feng, Wen-Hua Huang, Qiao-Li Wang, Ai-Jun Wang*

College of Chemistry and Life Science, College of Geography and Environmental Science,

Zhejiang Normal University, Jinhua, 321004, China

*Corresponding author: ajwang@zjnu.cn (A. J. Wang), Tel./Fax: +86 579 82282269.

Graphical Abstract



PdAu alloyed nanochain networks were prepared by a simple and facile one-pot wet-chemical method using allantoin as the structure-directing agent and stabilizing agent. The as-prepared nanocrystals displayed improved catalytic performances for ORR and MOR as compared to commercial Pd black catalyst.

Download English Version:

https://daneshyari.com/en/article/6610805

Download Persian Version:

https://daneshyari.com/article/6610805

Daneshyari.com