

Accepted Manuscript

Title: Oriented Growth of Polyaniline Nanofiber Arrays onto the Glass and Flexible Substrates Using a Facile Method

Authors: Yuan Wang, Shaoqin Xu, Huan Cheng, Wenfeng Liu, Fang Chen, Xueqing Liu, Jiyan Liu, Shaoyun Chen, Chenglong Hu



PII: S0169-4332(17)32736-8
DOI: <http://dx.doi.org/10.1016/j.apsusc.2017.09.087>
Reference: APSUSC 37166

To appear in: *APSUSC*

Received date: 18-5-2017
Revised date: 6-9-2017
Accepted date: 11-9-2017

Please cite this article as: Yuan Wang, Shaoqin Xu, Huan Cheng, Wenfeng Liu, Fang Chen, Xueqing Liu, Jiyan Liu, Shaoyun Chen, Chenglong Hu, Oriented Growth of Polyaniline Nanofiber Arrays onto the Glass and Flexible Substrates Using a Facile Method, *Applied Surface Science* <http://dx.doi.org/10.1016/j.apsusc.2017.09.087>

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.

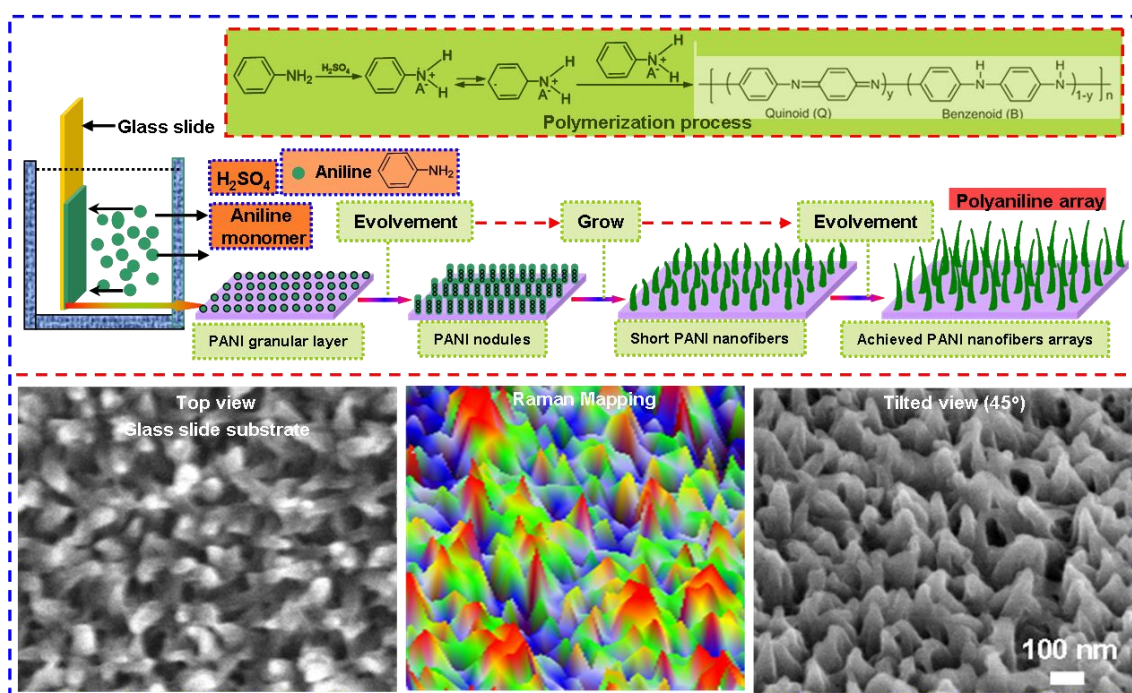
Oriented Growth of Polyaniline Nanofiber Arrays onto the Glass and Flexible Substrates Using a Facile Method

Yuan Wang, Shaoqin Xu, Huan Cheng, Wenfeng Liu, Fang Chen, Xueqing Liu, Jiyan Liu, Shaoyun Chen*, Chenglong Hu*

Key Laboratory of Optoelectronic Chemical Materials and Devices, Ministry of Education, School of Chemical and Environmental Engineering, Jiangnan University, Wuhan 430056, China.

*Corresponding cescsy@jhun.edu.cn (S. Y. Chen) and ceshcl@jhun.edu.cn (C. L. Hu)

A Graphical Abstract



<InlineImage1>

A simple and facile one-step template-free way to assemble highly oriented arrays of PANI nanofibers using chemical oxidative polymerization on the glass and polymer flexible substrates. The as-prepared PANI nanofiber arrays can be potentially used in flexible low-voltage electronics, anti coatings, self-cleaning surfaces and chemical sensors, and so on.

Highlights

Download English Version:

<https://daneshyari.com/en/article/5347188>

Download Persian Version:

<https://daneshyari.com/article/5347188>

[Daneshyari.com](https://daneshyari.com)