Accepted Manuscript

Catalytic growth mechanism and catalyst effects on electron field emission of nitrogenated carbon nanorods formed by plasma-enhanced hot filament chemical vapor deposition

Yunpeng Yan, Kun Zheng, Jiangjin Wang, Mupeng Zheng, Biben Wang, Xuejun Quan

VACUUM

SECTION DESCRIPTION

S

PII: S0042-207X(13)00326-6

DOI: 10.1016/j.vacuum.2013.09.012

Reference: VAC 6134

To appear in: Vacuum

Received Date: 10 July 2013

Revised Date: 16 September 2013 Accepted Date: 20 September 2013

Please cite this article as: Yan Y, Zheng K, Wang J, Zheng M, Wang B, Quan X, Catalytic growth mechanism and catalyst effects on electron field emission of nitrogenated carbon nanorods formed by plasma-enhanced hot filament chemical vapor deposition, *Vaccum* (2013), doi: 10.1016/j.vacuum.2013.09.012.

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

Catalytic growth mechanism and catalyst effects on electron field emission of nitrogenated carbon nanorods formed by plasma-enhanced hot filament chemical vapor deposition

Yunpeng Yan^a, Kun Zheng^b, Jiangjin Wang^b, Mupeng Zheng^c, Biben Wang^{a,*}, Xuejun Quan^a

^aCollege of Chemistry and Chemical Engineering, Chongqing University of Technology, 69 Hongguang Rd, Lijiatuo, Banan District, Chongqing 400054, PR China.

^bInstitute of Microstructure and Properties of Advanced Materials, Beijing University of Technology, Beijing 100124, PR China

^cCollege of Materials Science and Engineering, Beijing University of Technology, Beijing 100124, P. R. China

1

^{*} Corresponding author. Tel/fax: +86 23 62563221. E-mail address: bibenw@yahoo.com (B.B. Wang)

Download English Version:

https://daneshyari.com/en/article/8045220

Download Persian Version:

https://daneshyari.com/article/8045220

<u>Daneshyari.com</u>