

Self-limited growth of large-area monolayer graphene films by low pressure chemical vapor deposition for graphene-based field effect transistors

F. Kiani, Z. Razzaghi, B. Ghadiani, M. Tamizifar, M.H. Mohammadi, A. Simchi



www.elsevier.com/locate/ceri

PII: S0272-8842(17)31722-4  
DOI: <http://dx.doi.org/10.1016/j.ceramint.2017.08.024>  
Reference: CER115978

To appear in: *Ceramics International*

Received date: 17 May 2017  
Revised date: 22 July 2017  
Accepted date: 3 August 2017

Cite this article as: F. Kiani, Z. Razzaghi, B. Ghadiani, M. Tamizifar, M.H. Mohammadi and A. Simchi, Self-limited growth of large-area monolayer graphene films by low pressure chemical vapor deposition for graphene-based field effect transistors, *Ceramics International*, <http://dx.doi.org/10.1016/j.ceramint.2017.08.024>

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 galley proof before it is published in its final citable 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.

# **Self-limited growth of large-area monolayer graphene films by low pressure chemical vapor deposition for graphene-based field effect transistors**

F. Kiani<sup>a</sup>, Z. Razzaghi<sup>a</sup>, B. Ghadiani<sup>a</sup>, M. Tamizifar<sup>a</sup>, M.H. Mohammadi<sup>b</sup>, A. Simchi<sup>a,c,\*</sup>

<sup>a</sup>*Department of Materials Science and Engineering, Sharif University of Technology, PO Box: 11365-9466, Tehran, Iran*

<sup>b</sup>*Department of Chemical and Petroleum Engineering, Sharif University of Technology, PO Box: 11365-8639, Tehran, Iran*

<sup>c</sup>*Institute for Nanoscience and Nanotechnology, Sharif University of Technology, Tehran, Iran*

\*Corresponding author: Tel: +98 (21) 6616 5226; Fax: +98 (21) 66005717; E-mail: simchi@sharif.edu

Download English Version:

<https://daneshyari.com/en/article/5437389>

Download Persian Version:

<https://daneshyari.com/article/5437389>

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