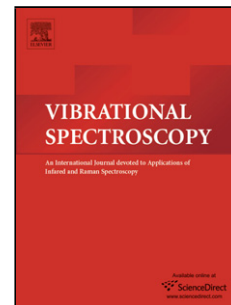


## Accepted Manuscript

Title: Aging- and Thermal-Annealing Effects on the Vibrational- and Microstructural-Properties of PECVD Grown Hydrogenated Amorphous Silicon Carbon Nitride Thin Films

Authors: Mohd Azam Abdul Rahman, Goh Boon Tong, Chiu Wee Siong, Haw Choon Yian, Mohamad Rusop Mahmood, Khiew Poi Sim, Saadah Abdul Rahman



PII: S0924-2031(17)30196-0  
DOI: <https://doi.org/10.1016/j.vibspec.2017.11.002>  
Reference: VIBSPE 2754

To appear in: *VIBSPE*

Received date: 14-7-2017  
Revised date: 19-10-2017  
Accepted date: 9-11-2017

Please cite this article as: Mohd Azam Abdul Rahman, Goh Boon Tong, Chiu Wee Siong, Haw Choon Yian, Mohamad Rusop Mahmood, Khiew Poi Sim, Saadah Abdul Rahman, Aging- and Thermal-Annealing Effects on the Vibrational- and Microstructural-Properties of PECVD Grown Hydrogenated Amorphous Silicon Carbon Nitride Thin Films, *Vibrational Spectroscopy* <https://doi.org/10.1016/j.vibspec.2017.11.002>

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.

# Aging- and Thermal-Annealing Effects on the Vibrational- and Microstructural-Properties of PECVD Grown Hydrogenated Amorphous Silicon Carbon Nitride Thin Films

Mohd Azam Abdul Rahman<sup>a,b,\*</sup>, Goh Boon Tong<sup>b</sup>, Chiu Wee Siong<sup>b\*</sup>, Haw Choon Yian<sup>c</sup>, Mohamad Rusop Mahmood<sup>d</sup>, Khiew Poi Sim<sup>e</sup> and Saadah Abdul Rahman<sup>a</sup>

<sup>a</sup> Low Dimensional Material Research Centre, Department of Physics, Faculty of Science, University Malaya, 50603 Malaysia

<sup>b</sup> Department of Physics, Faculty of Applied Science, University of Technology MARA, 40450 Shah Alam, Malaysia

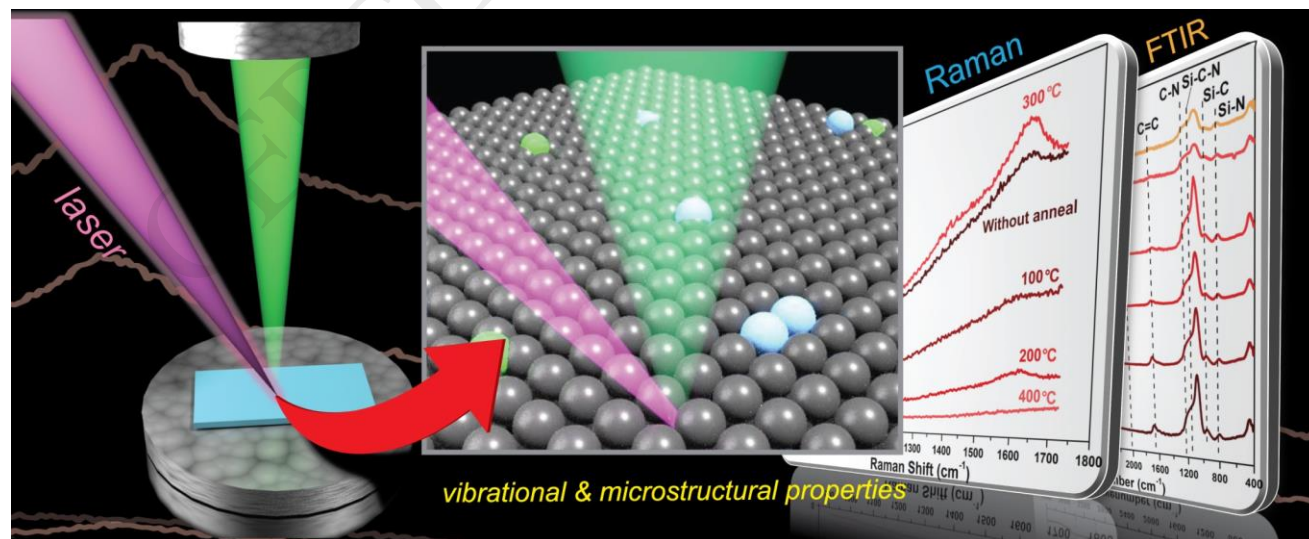
<sup>c</sup> School of Engineering, Xiamen University Malaysia Campus, Jalan Sunsuria, Bandar Sunsuria, 43900 Sepang, Selangor, Malaysia

<sup>d</sup> Nano-ScienceTech, Institute of Science, University of Technology MARA, 40450 Shah Alam, Selangor

<sup>e</sup> Center of Nanotechnology and Advanced Materials, Faculty of Engineering, University of Nottingham Malaysia Campus, Jalan Broga, 43500, Semenyih, Selangor, Malaysia

\* Corresponding author. E-mail address: [w.s.chiu@um.edu.my](mailto:w.s.chiu@um.edu.my), [alex626my@yahoo.com](mailto:alex626my@yahoo.com)

## Graphical Abstract



Download English Version:

<https://daneshyari.com/en/article/7690952>

Download Persian Version:

<https://daneshyari.com/article/7690952>

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