

Accepted Manuscript

Title: Fabrication and characterization of rutile-phased Titanium Dioxide (TiO₂) Nanorods Array with Various Reaction Times Using One Step Hydrothermal Method

Authors: S.M. Mokhtar, M.K. Ahmad, C.F. Soon, N. Nafarizal, A.B. Faridah, A.B. Suriani, M.H. Mamat, M. Shimomura, K. Murakami

PII: S0030-4026(17)31304-9
DOI: <https://doi.org/10.1016/j.ijleo.2017.10.091>
Reference: IJLEO 59827

To appear in:

Received date: 25-7-2017
Accepted date: 18-10-2017

Please cite this article as: S.M.Mokhtar, M.K.Ahmad, C.F.Soon, N.Nafarizal, A.B.Faridah, A.B.Suriani, M.H.Mamat, M.Shimomura, K.Murakami, Fabrication and characterization of rutile-phased Titanium Dioxide (TiO₂) Nanorods Array with Various Reaction Times Using One Step Hydrothermal Method, Optik - International Journal for Light and Electron Optics <https://doi.org/10.1016/j.ijleo.2017.10.091>

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.



Fabrication and characterization of rutile-phased Titanium Dioxide (TiO₂) Nanorods Array with Various Reaction Times Using One Step Hydrothermal Method

S.M. Mokhtar¹, M.K. Ahmad¹, C.F. Soon¹, N. Nafarizal¹, A.B. Faridah², A.B. Suriani³, M.H. Mamat⁴, M. Shimomura⁵, K. Murakami⁵

¹Microelectronic and Nanotechnology – Shamsuddin Research Centre (MiNT-SRC), Faculty of Electrical and Electronic Engineering, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor, Malaysia

²Department of Science, Faculty of Science, Technology, and Human Development, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor, Malaysia

³Nanotechnology Research Centre, Department of Physics, Faculty of Science and Mathematics, Universiti Pendidikan Sultan Idris, 35900 Tanjung Malim, Perak, Malaysia

⁴Nano-ElecTronic Centre, Faculty of Electrical Engineering, UiTM, 40450 Shah Alam, Selangor, Malaysia

⁵Department of Engineering, Graduate School of Integrated Science and Technology, Shizuoka University, 432-8011 Hamamatsu, Shizuoka, Japan

Corresponding author:

akhairul@uthm.edu.my

Download English Version:

<https://daneshyari.com/en/article/7225344>

Download Persian Version:

<https://daneshyari.com/article/7225344>

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