Accepted Manuscript

Optimization of UV luminescence from ZnO thin film: a combined effect of Al concave arrays and Al₂O₃ coating

Małgorzata Norek, Wojciech Zaleszczyk, Grzegorz Łuka

PII: S0167-577X(18)31049-8

DOI: https://doi.org/10.1016/j.matlet.2018.07.021

Reference: MLBLUE 24587

To appear in: Materials Letters

Received Date: 2 May 2018 Revised Date: 1 July 2018 Accepted Date: 4 July 2018



Please cite this article as: M. Norek, W. Zaleszczyk, G. Łuka, Optimization of UV luminescence from ZnO thin film: a combined effect of Al concave arrays and Al₂O₃ coating, *Materials Letters* (2018), doi: https://doi.org/10.1016/j.matlet.2018.07.021

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

Optimization of UV luminescence from ZnO thin film: a combined effect of Al concave arrays and Al₂O₃ coating

Małgorzata Norek^{1*}, Wojciech Zaleszczyk^{2,3}, Grzegorz Łuka²

Keywords: anodization; Al concave-array; ZnO emission; surface plasmons; Al₂O₃ coating

¹ Department of Advanced Materials and Technologies, Faculty of Advanced Technologies and Chemistry, Military University of Technology, Str. Urbanowicza 2, 00-908 Warszawa, Poland

² Institute of Physics, Polish Academy of Sciences, Aleja Lotnikow 32/46, PL-02668 Warsaw, Poland

³ International Research Centre MagTop, Aleja Lotnikow 32/46, PL-02668 Warsaw, Poland

^{*} Corresponding author: $\underline{malgorzata.norek@wat.edu.pl} \; ; \; \underline{mnorek73@gmail.com}$

Download English Version:

https://daneshyari.com/en/article/8012469

Download Persian Version:

https://daneshyari.com/article/8012469

<u>Daneshyari.com</u>