

Author's Accepted Manuscript

Effects of Erbium Content on the Morphological and Photoluminescent Properties of Sol-Gel Prepared Yttrium Oxide Film

Tzyy-Jiann Wang, Fan-Xiang Hua, Yu-Hsu Chang, Guan-Lu Peng, Mei-Hua Chou, Wei-Kuen Hung



www.elsevier.com/locate/ceri

PII: S0272-8842(17)32342-8
DOI: <https://doi.org/10.1016/j.ceramint.2017.10.132>
Reference: CER116551

To appear in: *Ceramics International*

Received date: 29 August 2017
Revised date: 20 October 2017
Accepted date: 20 October 2017

Cite this article as: Tzyy-Jiann Wang, Fan-Xiang Hua, Yu-Hsu Chang, Guan-Lu Peng, Mei-Hua Chou and Wei-Kuen Hung, Effects of Erbium Content on the Morphological and Photoluminescent Properties of Sol-Gel Prepared Yttrium Oxide Film, *Ceramics International*, <https://doi.org/10.1016/j.ceramint.2017.10.132>

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.

Effects of Erbium Content on the Morphological and Photoluminescent Properties of Sol-Gel Prepared Yttrium Oxide Film

Tzyy-Jiann Wang^{a,*}, Fan-Xiang Hua^a, Yu-Hsu Chang^b, Guan-Lu Peng^a, Mei-Hua Chou^{b,c}, and Wei-Kuen Hung^a

^aInstitute of Electro-Optical Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

^bInstitute of Mineral Resources Engineering, National Taipei University of Technology, Taipei 10608, Taiwan

^cCL Technology Co., Ltd., New Taipei 24158, Taiwan.

*Corresponding author. No. 1, Sec.3, Chung-Hsiao E. Road, Taipei 10608, Taiwan.

. Tel.: +886 2 27712171ext.4631; fax: +886 2 87733216. f10939@ntut.edu.tw
(Tzyy-Jiann Wang).

ABSTRACT

This work presents the effects of erbium content on the morphological, structural, and photoluminescent properties of erbium-doped yttrium oxide film prepared by water-added-free gelation and spin coating. Crack-free annealed films with uniform

Download English Version:

<https://daneshyari.com/en/article/7889164>

Download Persian Version:

<https://daneshyari.com/article/7889164>

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