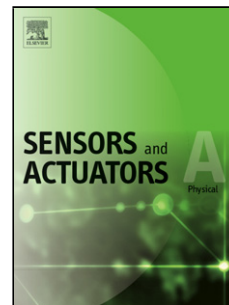


Accepted Manuscript

Title: Structural and optical investigations on Mn_3O_4 hausmannite thin films gamma irradiated along with an enhancement of photoluminescence sensing property

Authors: L. Ben Said, K. Juini, F. Hosni, M. Amlouk



PII: S0924-4247(17)31150-0
DOI: <https://doi.org/10.1016/j.sna.2017.12.040>
Reference: SNA 10527

To appear in: *Sensors and Actuators A*

Received date: 20-6-2017
Revised date: 26-11-2017
Accepted date: 18-12-2017

Please cite this article as: Said LB, Juini K, Hosni F, Amlouk M, Structural and optical investigations on Mn_3O_4 hausmannite thin films gamma irradiated along with an enhancement of photoluminescence sensing property, *Sensors and Actuators: A Physical* (2010), <https://doi.org/10.1016/j.sna.2017.12.040>

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.

Structural and optical investigations on Mn_3O_4 hausmannite thin films gamma irradiated along with an enhancement of photoluminescence sensing property

L. Ben Said ^{a,b,*}, K. Juini ^c, F. Hosni ^c and M. Amlouk ^a

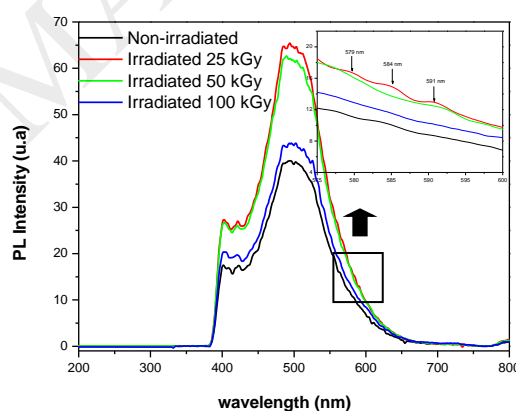
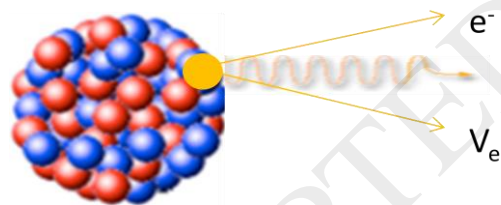
^a *Unité de physique des dispositifs à semi-conducteurs, Faculté des sciences de Tunis, Université de Tunis El Manar, 2092 Tunis, Tunisia..*

^b *Faculté des Sciences de Bizerte, Zarzouna 702, Bizerte, Carthage University, Tunisia.*

^c *Laboratoire de Recherches en Energie et Matière pour le Développement des Sciences Nucléaires (LR16CNSTN02), 2020 Sidi Thabet Ariana, Tunisia.*

*Corresponding author: bensaidlilia@gmail.com

Graphical abstract



Highlights

- Hausmanite Mn_3O_4 thin films were exposed to γ -radiation source ranging from 0 to 100 kGy.
- XRD study reveals that all the films are polycrystalline with spinel orthorhombic structure.

Download English Version:

<https://daneshyari.com/en/article/7133686>

Download Persian Version:

<https://daneshyari.com/article/7133686>

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