## Accepted Manuscript

Title: Influence of anatase titania nanoparticles content on optical and structural properties of amorphous silica

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PII: S0025-5408(16)30863-7

DOI: http://dx.doi.org/doi:10.1016/j.materresbull.2017.01.004

Reference: MRB 9097

To appear in: *MRB* 

Received date: 4-9-2016 Revised date: 8-12-2016 Accepted date: 6-1-2017

Please cite this article as: Bandar Ali Al-Asbahi, Influence of anatase titania nanoparticles content on optical and structural properties of amorphous silica, Materials Research Bulletin http://dx.doi.org/10.1016/j.materresbull.2017.01.004

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### ACCEPTED MANUSCRIPT

# Influence of anatase titania nanoparticles content on optical and structural properties of amorphous silica

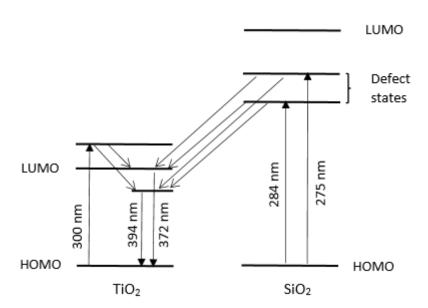
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#### **Graphical abstract**



#### Highlights

- Uniform SiO2/TiO2 nanocomposite thin films were prepared.
- The crystallite size of the samples was increased upon increment of TiO2 content.
- The interaction between SiO2 and TiO2 was physically.
- The optimal emission intensity was for 5 wt.% TiO2.
- Trapped electrons and oxygen vacancies resulted to enhance the emission intensity.

#### Abstract

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